Doctoral Degrees, Department of Chemistry 1935*-2004

Ordered by Year (Descending) 1 Ordered by Ph.D. Recipient 21 Ordered by Advisor 41

Your advice on errors or omissions will be appreciated

The Department of Chemistry was established as a separate entity in the 1936/7 acdemic year. Prior to that date, the Chemistry and Chemical Engineering comprised a single entity, with the first doctoral dissertation published in 1935, in Chemistry.

Ordered by Year

•			
2004 Bui, H.	Ph.D.	Advisor: G. C. Berry	
•	ble Gels and Block Copolymer Melts	3	
2004 Cao, R.	Ph.D.	Advisor: B. A. Armitage	
	rom Cyanine Dye-DNA Complexes to Recyclable Enzymes	8	
2004 Datta, B.	Ph.D.	Advisor: B. A. Armitage	
	ring Guanine-Quartets and Hybrid Aptamers	110 / 1001 D / 11 / 11 / 11 / 100 /	
2004 Dilek, I.	Ph.D.	Advisor: B. A. Armitage	
Supramolecular Structures Inv		Advisor. B. At. Attitude	
2004 Ghosh, A.	Ph.D.	Advisor: T. J. Collins	
•			
Chemistry of Dioxygen by Iro	nistic Studies of Iron-TAML Catalytic Activators of Hydroge on		
2004 Gu, Z.	Ph.D.	Advisor: G. D. Patterson	
Nano-Scale Structures of Supr	ramolecules: From Fractal Bio-Microgels to Micellar Aggreg	ates	
2004 Kunz, C.	Ph.D.	Advisor: M. Kaplan	
· ·	lds Measured with the STAR Detector at the Relativistic Hea		
2004 Tomlinson, A.	Ph.D.	Advisor: D. Yaron	
Modeling the Photophysics of			
2004 Upadhyay, A.	Ph.D.	Advisor: M. P. Hendrich	
	n of Multiheme Proteins from Nitrosomonas Europaea	ravisor. W. 1. Hendrich	
2003 Golombek, A.	Ph.D.	Advisor: M. P. Hendrich	
	of Manganese and Iron Small Molecule Model Complexes and		
2003 Pierce, B.	Ph.D.	Advisor: M. P. Hendrich	
•			
Reductase	Techniques to Observe Active Site Assembly Within the Sma	all Subunit of Ribonucleotide	
2002 Chowdhury, A.	Ph.D.	Advisor: L. A. Peteanu	
	charge-transfer properties of chemical and biological systems		
spectroscopy	charge-transfer properties of chemical and biological systems	s as measured by Stark	
2002 Gehrmann, M.	Ph.D.	Advisor: M. Llinás	
	ilarities Between FII and Kringle Domains	Advisor. IVI. Lillias	
	Ph.D.	Advisor: T. J. Collins	
2002 Gupta, S. S.			
	drogen Peroxide: Synthesis, Characterization and Environme		
2002 Hangun, Y.	Ph.D.	Advisor: T. J. Collins	
Design and Study of Catalytic Activators of Hydrogen Peroxide Promising Rapid Efficient Petroleum Desulfurization and Bleaching Technologies			
2002 Immaraporn, B.	Ph.D.	Advisor: A. Gellman	
Kinetics Study of Acid Depro	tonation and Dechlorination Reactions on Single Crystal Met	al Surfaces	
2002 Kushon, S.		Advisor: B. A. Armitage	
	c Study of the Binding of PNA Probes to DNA and RNA Ha		
2002 Liu, J.	The state of the s	dvisor: R. D. McCullough	
· ·	of Regioregular Head-to-Tail Poly(3-alkylthiophenes) and its	2	
	Copolymers: Tuning the Self-Assembly and Functional Proj		
2002 Pasquinelli, M.	Ph.D.	Advisor: D. Yaron	
	th to the Photophysics of Conjugated Polymers		
2002 Pintauer, T.		Advisor: K. Matyjaszewski	
i iii	1 11.2.	ia. isoi. ii. iviaty jasze wski	

1 4 June 2002

Structural and mechanistic aspects of copper catalyzed atom transfer radical processes 2002 Pyunn, D.-C. J. Ph.D. Advisor: K. Matyjaszewski Synthesis of Nanostructured Organic/Inorganic Hybrid Materials Using Controlled/Living Radical Polymerization 2002 Savin, D. Advisor: G. D. Patterson Ph.D. Rayleigh-Brillouin and Photon Correlation Spectroscopy of Poly (n-hexyl methacrylate) Near the Glass Transition, and Light Scattering and Thermal Characterization of Hybrid Nanoparticles 2002 Wang, M. Ph.D. Advisor: B. A. Armitage Interactions of Cyanine Dyes with DNA or PNA Duplexes: Formation of Supramolecular Structures Advisor: R. D. McCullough 2002 Zhai, L. Ph.D. Fabrication of Micro- and Nanostructures from Functionalized Regioregular Poly (3-alkylthiophenes) 2001 Davis, K. A. Ph.D. Advisor: K. Matyjaszewski Segmented copolymers by atom transfer radical polymerization 2001 Grishaev, A. Ph.D. Advisor: M. Llinás CLOUDS: A Computational Protocol for Protein Structure Elucidation via NMR Proton Densities 2001 Hu, T. C.-C. Ph.D. Advisor: A. Koretsky Cardiac Magnetic Resonance Imaging of Mice: Assessment of Left-Ventricular Function, and Development of Manganese as a Functional Contrast Agent Advisor: H. J. Kim 2001 Jeon, J. Ph.D. Solvation and solute electronic structure in a continuum solvent picture 2001 Paik, H.-J. Ph.D. Advisor: K. Matyjaszewski Kinetic studies and applications of atom transfer radical polymerization 2001 Pilston, R. Ph.D. Advisor: R. D. McCullough Synthesis and Characterization of Novel Regioregular Polythiophenes, Random Copolymers of Thiophene and Studies of the GRIM Polymerization Method for the Synthesis of Polythiophenes 2001 Weibel, J. Advisor: D. Yaron Ph.D. New Methodologies for Electronic Structure Calculations on Organic Materials 2000 Beers, K. L. Ph.D. Advisor: K. Matyjaszewski Design, synthesis and properties of comb copolymers with variable grafting density by controlled radical polymerization 2000 Loewe, R. S. Advisor: R. D. McCullough Synthesis, characterization, and development of structurally homogeneous polythiophenes (pts) and polythienylene vinylenes Advisor: D. Yaron 2000 Moore, E. E. Ph.D. Solid-state effects on the electronic structure of conjugated polymers Advisor: E. Münck 2000 Popescu, V.-C. Ph.D. Mossbauer and EPR studies of the hydrogen-cluster of the iron-hydrogenases from C. pasteurianum and of synthetic complexes designed to model the iron sites of the [(2)iron](H)-subcluster and Mossbauer studies of the transcription factor FNR of Escherichia coli 2000 Premvardhan, L. L. Ph.D. Advisor: L. A. Peteanu Electrostatic properties of charge-transfer systems 2000 Oiu, J. Ph.D. Advisor: K. Matyjaszewski Atom transfer radical polymerization in aqueous dispersed media Advisor: T. J. Collins 2000 Vuocolo, L. D. Ph.D. The preparation of iron complexes as green catalytic oxidant activators of hydrogen peroxide 2000 Willard, B. B. Advisor: S. T. Graul Ph.D. Experimental and theoretical investigations of the metastable dissociations of organosilicon ions Advisor: T. J. Collins 2000 Williams, S. A. Synthesis, characterization and reactivity of high-valent copper complexes of macrocyclic tetraamido-N ligands Advisor: E. Münck 2000 Yoo, S. J. Spectroscopic studies of novel metal clusters in iron-sulfur proteins 1999 Briknarová, K. Advisor: M. Llinás Ph.D. The second and third fibronectin type II modules from human matrix Metalloproteinase 2: Structure, function and dynamics

Calculations and Experimental Measurements of the Effects of Solvent and External Electric Fields on the Absorption and Resonance Raman Spectra of Donor-Acceptor Polyenes and Retinals

1999 Martin, G. S. Ph.D. Advisor: S. W. Staley Dynamic processes of monosubstituted cyclooctatetraenes, bridged dicyclooctatetraenes and bridged dicyclooctatetraenyl dianions

Advisor: S. W. Staley

Advisor: L. A. Peteanu

4 Iune 2002 2

Dynamic Processes of Cyclooctatetraenes and Aryl-Bridged Dicyclooctatetraenes and their Dianions

Ph.D.

Ph.D.

1999 Kehlbeck, J.

1999 Locknar, S.

1999 Miller, P. Ph.D. Advisor: K. Matyjaszewski Atom Transfer Radical Polymerization and the Synthesis of Well-Defined Inorganic/Organic Hybrid Polymeric Materials 1999 Peterson, M. L. Advisor: S. W. Stalev 1. Molecular Structure, Electronic Properties and Crystal Packing of 6-Arylfulvenes; 2. Charger Transfer in Biphenyl Bridged Dicyclooctatetraenes 1999 Xia, J. Ph.D. Advisor: K. Matyjaszewski Development and Applications of New Catalysts in Atom Transfer Radical Polymerizatio 1998 Achim, C. Advisor: E. Münck Ph.D. Electron transfer involving mixed-valence metal clusters 1998 Bursulaya, B. Advisor: H. J. Kim Ph.D. Truncated adiabatic basis-set approach to the modeling of molecular polarizability in computer simulation studies 1998 Li, F. Advisor: J. S. Lindsey New approaches for synthesizing meso-substituted porphyrins, and the synthesis and photophysical properties of lightharvesting model system Advisor: T. J. Collins 1998 Miller, C. Ph.D. Synthesis, characterization, and reactivity of high-valent manganese complexes of macrocyclic-tetraamido N-ligands Advisor: J. S. Minden 1998 Unlu, M. Identification of proteins involved in ventral furrow formation in Drosophila melangfaster embryos using difference gel electrophoresis: A modified two-dimensional gel electrophoresis technique 1997 Bartos, M. J. Ph.D. Advisor: T. J. Collins Development and study of high valent iron complexes 1997 Brown, C. M. Ph.D. Advisor: M. Kaplan Statistical evaporation of light charged particles in heavy ion induced nuclear reactions 1997 Gaynor, S. G. Ph.D. Advisor: K. Matyjaszewski Branched and hyperbranched polymers by atom transfer radical polymerization 1997 Greszta, D. Ph.D. Advisor: K. Matyjaszewski Synthesis of novel gradient copolymers via atom transfer radical polymerization 1997 Grimm, R. A. Ph.D. Advisor: S. W. Staley Dynamic processes of cyclooctatetraenes and bridged dicyclooctatetraenyl dianions 1997 Jayaraman, M. Advisor: R. D. McCullough Ph.D. Synthesis and characterization of HT-Poly(3-Alkylthiophenes), HT-Random and alternating copolymers of 3-Alkylthiophenes and HT-Amphiphilic alternating copolymers of thiophenes & langmuir-blodgett assemply of HT-Amphiphilic alternating copolymers of thiophenes 1997 Kauffmann, K. E. Advisor: E. Münck Ph.D. Mössbauer studies of model complexes relevant to the active sites of dioxygen-reducing enzymes 1997 Randolph, J. B. Ph.D. Advisor: A. Waggoner Design and optimization of multiply-labeled fluorescent DNA probes 1996 Ewbank, P. C. Ph.D. Advisor: R. D. McCullough Synthesis of regioregular thiophene oligomers and polymers with amino and carboxylic acid substituents, protection of 3-(aminomethyl)thiophene by a novel, reversible thienopyrrole synthesis, and ionochromism in 2,5-poly(thiophene-3-propionic acid). Advisor: G. C. Berry 1996 Vijaykumar, S. Ph.D. Rheological and rheo-optical studies on nematic solutions of a rodlike polymer: Poly(1,4-phenylene-2, 6benzobisthiazole)PBZT) 1996 Williams, S. P. Ph.D. Advisor: R. D. McCullough The sysnthesis and properties of regioregular poly(2-substituted thiophenes) with polyetheric substituents, some properties of regioregular poly(3-alkylthiophenes), and efforts toward the synthesis of well-defined polyPyrrole) derivatives Advisor: C. L. Brooks 1996 Young, W. S. Computational approaches to modeling simple protein folding events Advisor: R. D. McCullough 1995 Belot, J. A. Synthesis and characterization of new organic, inorganic, and organometallic tetrathiafulvalenes and CdSe hybrid materials 1995 Fossum, E. A. Advisor: K. Matyjaszewski Ph.D. Ring opening polymerization of cyclotetrasilanes: A versatile route to polysilylenes 1995 Gordon-Wylie, S. W. Ph.D. Advisor: T. J. Collins High valent manganese and cobalt complexes of oxidatively robust n and o donor ligands

4 June 2002.

Advisor: M. Llinás

Advisor: J. S. Lindsey

Ph.D.

Ph.D.

NMR studies of the antithrombotic peptide PN 7002 and the fibrinolytic protein BM 06.022

1995 Hu, C.-K.

1995 Johnson, T. E.

	Porpnyrin-based light-narvesting	g arrays: Synthesis, characterization and photophysics	
1995	Zhu, Z. Study of fluorescent dns probes	Ph.D.	Advisor: A. Waggoner
1994	Diao, B.	Ph.D. on solutions of rodlike poly(1,4-phenylene-2,6-benzobi	Advisor: G. C. Berry
1994	Hwang, Y.	Ph.D. of poly(n-hexyl methacrylate) and poly(ethyl methacry	Advisor: G. D. Patterson
1994	Martin, P. C.	Ph.D.	Advisor: D. F. Bocian
1994	White, M. L.	Ph.D. on of polyphosphazene copolymers	Advisor: K. Matyjaszewski
1994	Yue, S.	Ph.D. nolecular interactions in polymer solutions	Advisor: G. C. Berry
1993	Bokman, A. M.	Ph.D. ion structure and ligand-binding properties	Advisor: M. Llinás
1993	Hrkach, J. S.	Ph.D. ith a polysilane backbone and organic side chains	Advisor: K. Matyjaszewski
1993	Johnson, B. G.	Ph.D. nd performance of efficient methodologies for density to	Advisor: J. A. Pople functional calculations
1993	Kostka, K. L.	Ph.D. f high-valent iron complexes of macrocyclic tetraamide	Advisor: T. J. Collins
1993	Montague, R. A.	Ph.D. via the catalyzed polymerization of phosphoranimines	Advisor: K. Matyjaszewski
1993	Siesel, D. A.	Ph.D. Idies of bridged dicyclooctatetraenes and alkynylcycloo	Advisor: S. W. Staley
1993	Yu, H.	Ph.D. cyanine dye-labeled DNA probes	Advisor: A. Waggoner
1992	Procyk, A. D.	Ph.D. porphyrin [sic] model complexes	Advisor: D. F. Bocian
1992	Rejante, M. R.	Ph.D. cture and ligand-binding properties of human plasminos	Advisor: M. Llinás
1992	Replogle, E. S.		isor: A. J. A. P. S. W. Staley
1992	Ruehl, K. E.	Ph.D. f functionalized oligo- and polysilanes	Advisor: K. Matyjaszewski
1992	Strnad, J. T.	Ph.D. on the spectroscopy of [pi]-electron systems: 1. Electro	Advisor: S. W. Staley on transmission spectroscopy: 2.
1992	Nuclear magnetic resonance spe Workman, J. M.		Advisor: T. J. Collins
1991	Routes to multimetallic high oxid Byeon, IJ. L.	dation state transition metal complexes Ph.D.	Advisor: M. Llinás
1991	NMR studies of the tissue-type p Constantine, K. L.	plasminogen activator kringle 2 domain Ph.D.	Advisor: M. Llinás
1991	Proton magnetic resonance and Foresman, J. B.	modeling studies of ferrichrome peptides and type II do Ph.D.	omains Advisor: J. A. Pople
1991	Ab initio molecular orbital theoretical Kaatz, P. G.	ry for excited states Ph.D.	Advisor: G. D. Patterson
1991	Optical third harmonic generation Lee, J. M.	on from isotropic multilayer media Ph.D.	Advisor: A. A. Bothner-By
1991	Transverse nuclear Overhauser of Lin, Ch.	effect Ph.D.	Advisor: K. Matyjaszewski
1991	A mechanistic study of living ca Lisicki, M.	tionic polymerization of alkenes Ph.D.	Advisor: A. A. Bothner-By
	Magnetic susceptibility studies useddon, S. F.	Ph.D.	Advisor: C. L. Brooks
	Modelling electron transfer in po	eptides and proteins	

4 June 2002. 4

1991 Tobias, D. J. Ph.D. Advisor: C. L. Brooks The formation and stability of protein folding initiation structures 1990 Bickerstaff, R. D. Ph.D. Advisor: L. R. Sita Cyclic and polycyclic stannanes of classical and non-classical structure 1990 Duchowski, J. K. Ph.D. Advisor: D. F. Bocian Spectroscopic studies of lanthanide porphyrin sandwich compounds: effects of strong [pi-pi] interaction 1990 Kim, H. K. Ph.D. Advisor: K. Matyjaszewski Sonochemical synthesis of well-defined polysilanes 1990 Liu, P. C. Ph.D. Advisor: G. C. Berry Rheological studies on dispersions of magnetic particles 1990 Srinivasarao, M. Ph.D. Advisor: G. C. Berry Rheo-optical studies on a polymer liquid crystal under the influence of flow or magnetic fields 1990 Sullivan, V. J. Ph.D. Advisor: G. C. Berry Rheology, phase behavior and dilute solution properties of blends of the rodlike poly(p-phenylene benzobisoxazole) and flexible chain poly(2, 5-benzoxazole) in sulfonic acid solvents 1990 Wagner, R. W. Ph.D. Advisor: J. S. Lindsey Synthetic strategies for the preparation of new porphyrin architectures 1990 Zimmerman, J. W. Advisor: B. Imperiali Ph.D. Investigation of the initial steps of asparagine-linked glycosylation 1989 Chen, S.-i. Ph.D. Advisor: G. C. Berry Physical chemical studies on moderately concentrated solutions of polystyrene in cyclohexane and in carbon disulfide 1989 Head-Gordon, M. P. Ph.D. Advisor: J. A. Pople Direct AB initio molecular orbital methods for the study of large molecules 1989 Head-Gordon, T. L. Ph.D. Advisor: C. L. Brooks Macroscopic and microscopic simulation methods as applied to biological systems 1989 Jue, P. K. Advisor: G. D. Patterson Rayleigh-Brillouin and photon correlation spectroscopy of poly (n-butyl methacrylate) near the glass transition region 1989 Kim, S. H. Advisor: G. D. Patterson Ph.D. Static and dynamic light scattering of poly-(_-methyl styrene) in toluene 1989 Kolsky, K. L. Ph.D. Advisor: P. J. Karol Radiochemical studies of very deep spallation reactions 1989 Parker, W. E. Ph.D. Advisor: M. Kaplan Mechanisms for light charged particle production in the reactions 905 and 1030 MeV (superscript 121)Sb+(superscript 27)Al and 550 and 750 MeV (superscript 86)Kr+(superscript 63)Cu 1989 Ramaswami, V. Ph.D. Advisor: D. A. Tirrell A photolabeling technique for the study of polymer-cell surface interactions 1989 Shukla, R. B. Advisor: A. A. Bothner-By Ph.D. Isolation and characterization of locked spin states 1988 Atamian, M. Ph.D. Advisor: D. F. Bocian Effects of peripheral substituents on the redox and spectroscopic properties of metalloporphyrins. I. Model complexes. II. Hemoproteins 1988 Boldt, N. J. Ph.D. Advisor: D. F. Bocian Resonance raman studies of biomolecular systems: I. Chlorophyll model compounds. II. Bacterial photosynthetic reaction centers 1988 Findsen, L. A. Ph.D. Advisor: R. R. Birge Molecular orbital studies of biological molecules 1988 Kim, C. S. Ph.D. Advisor: G. C. Berry Rheological behavior of blends of rodlike and flexible chain polymers in isotropic solution 1988 Masthay, M. B. Ph.D. Advisor: R. R. Birge Molecular orbital and two-photon spectroscopic studies of conjuagated pi-systems Advisor: P. J. Karol 1988 Stoll, F. P., Jr. Ph.D. Positronium interactions with isolated species in the vapor phase 1987 Babirad, S. A. Advisor: A. J. S. L. K. Sakan Ph.D. Synthetic and conformational analysis of erythronolide a derivatives and C-1,4-disaccharides 1987 Furukawa, R. H. Ph.D. Advisor: G. C. Berry Dilute solution characterization of rodlike poly [1, 4-phenylene benzobisthiazole] (PBT) and articulated copolymers of PBT and poly [1,4-phenylene benzobisoxazole] (PBO) 1987 Munoz, A. Ph.D. Advisor: G. D. Patterson

Rayleigh-Brillouin spectroscopy of some simple globular liquids Advisor: M. Llinás 1987 Petros, A. M. Ph.D. Proton magnetic resonance studies on the kringle 4 fragment from plasminogen 1987 Prementine, G. S. Advisor: D. A. Tirrell Ph.D. Model copolymer reactions 1987 Skoglund, C. M. Ph.D. Advisor: A. A. Bothner-By Molecular orietation studies using high field NMR 1987 Spencer, C. P. Ph.D. Advisor: G. C. Berry Anisotropic phase polymerization kinetics rodlike polymer poly[benzo(1,2-d:4,5-d')bisthiazole-2, 6-diyl)-1,4-phenylene] 1987 Thewes, T. Advisor: M. Llinás Ph.D. Purification and initial <1>H-NMR investigations of a unique Kringle 5 domain 1986 Elliott (ne: Jones), S. A. Ph.D. Advisor: D. A. Tirrell Model copolymerization reactions: penultimate and complex-participation effects in radical addition to olefins 1986 McDaniel, R. F. Ph.D. Advisor: W. H. Waddell Synthesis and photochemistry of reactive organic compounds: Part 1. Octatetraene and its deuterated analogue. Part 2. Phenyl azide and its substituted derivatives 1986 Moses, D. J. Advisor: M. Kaplan Ph.D. Studies of helium-4/proton emission in fission and deeply inelastic reactions of 485-MeV Fe(56) with Au(197) 1986 Park, J. O. Ph.D. Advisor: G. C. Berry Viscoelastic behavior of polystyrene solutions in a good solvent and in a theta solvent Advisor: P. J. Karol 1986 Tobin, M. J. Ph.D. Intermediate energy sallation studies by activation techniques Advisor: G. C. Berry 1986 Wei, C. C.-H. Ph.D. Study of dilute solution properties of rod and rodlike polymers 1985 Meitz, D. W. Ph.D. Advisor: G. C. Berry Complicated rheological properties of a suspension of crosslinked polystyrene particles in a polystyrene fluid and a rheological investigation 1985 Murray, L. P. Ph.D. Advisor: R. R. Birge Two-photon spectroscopy of biological molecules 1985 Ramprasad, D. Advisor: C. H. V. Dyke Ph.D. A study of the reactions of organosilicon-substituted alcohols and amines with cationic platinum (II) carbonyl complexes 1985 Smith, D. A. Ph.D. Advisor: A. K. N. H. K. Sakan Studies on the intramolecular diels-alder reaction of internally activated trienes 1985 Turek, A. B. Ph.D. Advisor: D. A. Tirrell Interaction of ionene polymers with dipalmitoylphosphatidylglycerol bilayers Advisor: W. E. Brown 1984 Abrams, L. Ph.D. Some studies on the interaction of IgG and Clq 1984 Feilchenfeld, N. B. Ph.D. Advisor: W. H. Waddell Pulsed-laser and cryogenic spectroscopic investigations on intermediates formed in the photo-initiated autocatalytic chain decomposition (PACD) reaction of phenyl azide and phenyl isocyanate 1984 Gavathri, C. Advisor: A. A. Bothner-By Ph.D. Molecular orientation effects in high fields NMR of isotropic solutions 1984 Peterson, M. W. Ph.D. Advisor: R. M. Richman Photochemical and photothermal studies of bis(dibenzoylmethanato) -dioxomolybdenum, bis (diethyldithiocarbsmato) doxomolybdenum,u-oxo-bis ((tetraphenylpophinato) iron (III)) and u-oxo-bis ((tetra (4-carboxy) phenylporphinato) iron (III)) 1984 Shih, J.-S. Ph.D. Advisor: D. A. Tirrell Synthesis of new reactive polyethers and polysulfides 1984 Takigawa, D. Y. Ph.D. Advisor: D. A. Tirrell

Physical studies of polymer-phospholipid mixtures 1983 Burchfield, D. Ph.D. Advisor: G. C. Berry The photochemistry of the u-oxo-bis-(Pentaamineruthenium (III)) (4+) ion in aqueous solution Advisor: J. A. Pople

1983 Frisch, M. J. Ph.D.

Studies of chemical reactions using moller-plesset theory

1983 Tsai, H.-H. Ph.D. Advisor: G. C. Berry

Phase equilibrium and rheological studies of solutions of rodlike, articulated polymers and their mixtures

1982 Go, C. L. Advisor: W. H. Waddell Ph.D. The photoinitiated decomposition of phenyl azide and its derivatives: evidence for a chain reaction

1982	Lecomte, J. Magnetic resonance studies of c	Ph.D. rambin and homologous thionins and toxins	Advisor: M. Llinás
1982	Zussman, M. P.	Ph.D.	Advisor: D. A. Tirrell
1702	*	y (3-chlorothietane): an example of backbone assisted re	
1981	Bose, K.	Ph.D.	Advisor: A. A. Bothner-By
1001	Studies on the solution conform		
1981	Denys, L.	Ph.D.	Advisor: A. A. Bothner-By
		the conformational diversity of bradykinin at 600 MHz	
1981	Krishnan, A.	Ph.D.	Advisor: M. Kaplan
	A Mossbauer spectroscopic stud	ly of magnetic relaxation effects in ferric bromide hexah	ydrate
1981	Mullins, O. C.	Ph.D.	Advisor: M. Kaplan
	Perturbed angular correlation st	udies of electric field gradients in metalloporphyrins	•
1981	Venkatraman, S. S.	Ph.D.	Advisor: G. C. Berry
	-	heological, and rheo-optical properties of a rigid-rod pol	-
1981	Whiteside, R. A.	Ph.D.	Advisor: J. A. Pople
1701	Smal homonuclear clusters of b		Advisor. J. A. I opic
1000			Advisor A A Comette In
1980	Clark, J. L.	Ph.D.	Advisor: A. A. Caretto Jr.
4000		edium energy pion double charge exchange reactions: [2	
1980	Lee, KS.	Ph.D.	Advisor: R. L. Kay
	A radio-frequency moving-bound	ndary detector and its application	
1980	Mokhtarzadeh, M.	Ph.D.	Advisor: R. R. Rothfus
	Dynamic modeling of low therr	nal gradient evaporators and condensers	
1980	Raghavachari, K.	Ph.D.	Advisor: J. A. Pople
1700		d their application to the study of carbocations	7 ta v 1501. 3. 7 t. 1 opie
1090	West, J. L.	Ph.D.	Advisor: W. H. Waddell
1900	*		Advisor. W. II. Wadden
1070		ntion on the photochemistry of retinal	4.1. T.A.D. 1
19/9	Binkley, J. S.	Ph.D.	Advisor: J. A. Pople
	Meller-Plesset electron studies		
1979	Cotts, D. B.	Ph.D.	Advisor: G. C. Berry
	Polymerization kinetics of the r	odlike polymer poly-[benzo(1,2-D:5,4-D') bisoxazole-2,6	6-diyl]-1, 4-phenylene (PBO)
1979	Mance, A. M.	Ph.D.	Advisor: C. H. V. Dyke
		of some chromium tricarbonyl complexes of phenylsilane	
1979	Metzger, P. C.	Ph.D.	Advisor: G. C. Berry
17/7		ostatic repulsions on solution properties of flexible and re	
1070	Poper, J. A.	Ph.D.	Advisor: J. A. Pople
1717			Advisor. J. A. Fopic
1070		ion studies of atoms and small molecules	A 1 : W/ II W/ 11 11
19/9	Shiba, C. F.	Ph.D.	Advisor: W. H. Waddell
	-	f some platinum (II)-alkoxycarbonyl complexes	
1978	Aromatorio, D. K.	Ph.D.	Advisor: D. J. Hartshorne
	Calcium regulation in smooth n	nuscle: isolation and characterization of the myosin light	chain kinase
1978	Epstein, J.	Ph.D.	Advisor: R. F. Stewart
	Model studies for the analysis of	f scattered intensities from X-ray and high energy electron	on diffraction
1978	Farrell, M. O.	Ph.D.	Advisor: L. J. Boucher
		catalytic activity of some organometallic rhodium(I) cat	
	polyorganosiloxane polymers	, , , , , , , , , , , , , , , , , , , ,	3 11
1978	Hanusa, L. H.	Ph.D.	Advisor: W. L. Mock
1770	•	nsaturated ketones and nitriles. A preparation and acylati	
1078	Lin, CC.	Ph.D.	Advisor: T. P. Kohman
19/0	•		
1070		b dating methods in rare earth and associated minerals fr	
19/8	Meyers, M. C. S.	Ph.D.	Advisor: L. J. Boucher
		ion (PSI) in general chemistry at a small college	
1977	Aksoy, M.	Ph.D.	Advisor: D. J. Hartshorne
		and contraction in smooth muscle	
1977	Doraiswamy, K. C.	Ph.D.	Advisor: R. B. Carlin
	Some ring opening reactions of	bicyclopropyl and related compounds	
1977	Hager, B. L.	Ph.D.	Advisor: G. C. Berry

Intermolecular interactions in moderately concentrated polymer solutions: a study of polystyrene in several solvents by viscometry and light scattering

1977 Seamon, K. Ph.D. Advisor: A. A. Bothner-By

Magnetic resonance studies on calcium binding protein

1976 Coe, C. G. Ph.D. Advisor: L. J. Boucher

Synthesis and characterization of some manganese (III) and manganese (III,IV) Schiff base complexes

1976 Dhawan, B. Ph.D. Advisor: P. L. Southwick Synthesis of 4, 6-diaminopyrazolo (3,4-d) pyrimidine derivatives. Synthesis of 1-amidino-4-aroylpiperazines and a

convenient preparation of monoaroylpiperazine hydrochlorides

1976 Harina, B. M. Ph.D. Advisor: A. A. Bothner-By

NMR and fluorescence studies of a Hapten-antibody interaction

1976 Isildar, M. Ph.D. Advisor: R. H. Schuler

Studies of electron scavenging and fragmentation processes in the radiolysis of hydrocarbons

1976 Klobuchar, R. L. Ph.D. Advisor: P. J. Karol Positronium annihilation probe for reaction kinetics: results for hydrogen atoms, oxygen-argon, and ozone-chloro-

Positronium annihilation probe for reaction kinetics: results for hydrogen atoms, oxygen-argon, and ozone-chlorofluorocarbon systems

1976 Poo, W.-J. H. Ph.D. Advisor: D. J. Hartshorne Studies on the control mechanism of skeletal muscle: relative movement between actin and tropomyosin

1976 Wilson, E. J. Ph.D. Advisor: M. Kaplan
Perturbed angular correlation studies of chemically generated electric quadrupole intractions

1976 Yates, M. A. Ph.D. Advisor: A. A. Caretto Jr.

A systematic study of proton- and alpha-induced simple reactions

1976 Zemel, H. Ph.D. Advisor: R. W. Fessenden Electron spin resonance and pulse radiolysis studies of the mechanism and kinetics of SO4- reactions with aromatic

Electron spin resonance and pulse radiolysis studies of the mechanism and kinetics of SO4- reactions with aromatic compounds in aqueous solution

1975 Driska, S. P. Ph.D. Advisor: D. J. Hartshorne

Calcium control of smooth muscle contractile proteins

1975 Keenan, M. J. Ph.D. Advisor: R. B. Carlin A study of alkyl migrations in dienone-phenol and analogous systems

1975 Ku, T. H.-H. Ph.D. Advisor: P. J. Karol Radiochemical investigations of the influence of target composition on alpha spallation of molybdenum isotopes

1975 Liu, S.-c. Ph.D. Advisor: C. R. Worthington

Sarcoplasmic reticulum membranes: biochemical and low-angle X-Ray diffraction studies

1975 Lynch, K. P. Ph.D. Advisor: J. V. Michael Lyman-[Greek symbol alpha] absorption photometry at high pressure and atom density: kinetic results for hydrogen atom recombination::n Part II,:p Di

1975 Miro, N. D. Ph.D. Advisor: C. H. V. Dyke

A study of some silicon-functional silyl and silylmethyl transition metal complexes

1975 Rohm, B. J. Ph.D. Advisor: L. J. Boucher

The base hydrolysis of some manganese porphyrin complexes

1975 Shields, G. D. Ph.D. Advisor: L. J. Boucher

Coordination chemistry of anchored silica compounds

1975 Thomas, T. J. Ph.D. Advisor: R. B. Carlin
I. The Fischer indole reaction of cyclohexanone 2, 6-dimethylphenyl-hydraxone. II. The low temperature ozonolysis of 2, 8dimethyl-7-phenyl-6-azabicyclo (3.2.1.) octa-2, 6-diene-8-carboxylic acid and its esters

1975 Verma, N. C. Ph.D. Advisor: R. W. Fessenden

Time resolved ESR spectroscopy of transient free radicals produced by the pulse radiolysis of aqueous solutions 1974 Aufderheide, B. E. Ph.D. Advisor: R. F. Sprecher

Autorneide, B. E. Ph.D. Advisor: R. F. Sprecher Synthesis, boron-11 shift assignments and correlations for halogenated decaboranes, carboranes and derivatives, and thermal re-arrangements of 1-phenyl-3-fluoro-o-carborane

1974 Bently, J. J., Jr. Ph.D. Advisor: R. F. Stewart
Charge density analysis of coherent X-ray scattering by diatomic molecules

1974 Beres, J. J. Ph.D. Advisor: L. E. Alexander

Crystal structure analysis of two cyclic urethane oligomers

1974 Cowfer, J. A. Ph.D. Advisor: J. V. Michael

I. Experimental and theoretical investigation of nonequilibrium kinetic isotope effects in chemically activated ethyl radicals.

II. A kinetic investigation of the reactions of atomic hydrogen and deuterium with silane and mono-, di-, and trimethylsilane conducted in a discharge flow system with mass spectrometric detection

1974 Maciunas, G. M. Advisor: D. L. Weaver Ph.D. Structural studies of some transition metal nitrosyl complexes 1974 McClure, M. D. Ph.D. Advisor: D. L. Weaver Structural studies of some transition metal triphenylcyclopropenyl complexes 1974 Schwab, T. C. Ph.D. Advisor: J. V. Michael A kinetic investigation of the thermal dissociation of molecular hydrogen in a shock tube using a technique of Lyman-alpha photometric detection 1974 Singh, R. K. Ph.D. Advisor: P. K. McCurry Part I. Total synthesis of -Vetivone and Spiro-sesquiterpenoids via novel spiroannelation reactions. Part II. Re-examination of 2, 5-Diketon cyclization and synthesis of Cis-Jasmone and its analongs via the Retroadol-Aldol pathway 1973 Ahumada, J. J. Ph.D. Advisor: J. V. Michael The usefulness of the mercury photosensitized decomposition of molecular hydrogen as a source of hydrogen atoms in chemical kinetics 1973 Amarnath, V. Ph.D. Advisor: P. L. Southwick Synthesis of 6, 7-dihydro-5H-pyrrolo[3,4-d] pyrimidine derivatives of antimalarial interest 1973 Bogan, D. J. Ph.D. Advisor: C. W. Hand Kinetics of the reaction of ethylene oxide with O3P atoms 1973 Bulkowski, J. E. Advisor: C. H. V. Dyke Ph.D. The synthesis and study of some organofluorosilanes and germanes and certain o-alkyl transition metal derivatives containing silicon 1973 Chawla, O. P. Ph.D. Advisor: R. W. Fessenden An electron spin resonance study of the mechanism and kinetics of photochemical reactions in aqueous solutions Advisor: J. A. Pople 1973 Curtiss, L. A. Ph.D. A study of hydrogen-bonded complexes using ab initio molecular orbital theory 1973 Daniel, J. L. Advisor: D. J. Hartshorne Ph.D. The role of sulfhydryl groups in the regulation of muscle activity 1973 Frishberg, M. D. Ph.D. Advisor: P. L. Southwick Synthesis of folic acid analogues in the pyrrolo [3, 4-g] pteridine series 1973 Hariharan, P. C. Ph.D. Advisor: J. A. Pople A study of the use of polarization functions in molecular orbital calculations on organic compounds 1973 Keil, D. G. Ph.D. Advisor: J. V. Michael An investigation of some gas phase reactions of hydrogen atoms with unsaturated hydrocarbons and some isotopic and mixed isotopic variations by mass spectrometric detection in a discharge flow system: absolute rate determinations and mechanism investigations 1973 Kite, G. F. Advisor: C. J. Grundmann Ph.D. Studies of the chemistry of nitrile oxides and related compounds 1973 Lindsey, J. J. Ph.D. Advisor: P. L. Southwick The chemistry of some hitro enols and nitro enol ethers: 1-cyclohexyl-4-nitro-2-oxo-3-pyrrolin-3-yl as a protecting group for amino acids Advisor: W. G. Fateley 1973 Manocha, A.-J. S. Ph.D. Far-infrared studies of internal rotation about single bonds Advisor: P. L. Southwick 1973 Murphy, J. R. Ph.D. Tetracyclic analogues of tryptamine: derivatives of the phrrolo [3', 4': 4.5] pyrrolo [3, 4-b] indole ring system 1973 Urbon, J. A. Advisor: A. A. Caretto Jr. Ph.D. A study of the reaction mechanisms involved in the formation of 24Na from 75As at high proton bombarding energies 1972 Balaram, P. Advisor: A. A. Bothner-By A proton magnetic response study of the binding of lysine-vasopressin and peptide analogs to bovine neurophysin-II 1972 Dufresne, R. F. Advisor: P. L. Southwick Thermal cyclizations of 3-(2-arylhydrazino)-3-pyrroline derivatives: a study of the Fischer indole synthesis 1972 Finch, M. A. Ph.D. Advisor: C. H. V. Dyke The synthesis and study of some selected organosilyl fluorides, fluorosilyl isocyanates, and mixed silyl germyl chalcogen compounds 1972 Hartman, M. E. Ph.D. Advisor: A. K. Colter A new B-Keto Ester synthesis: the triethyloxonium ion catalyzed homologation of ketones with diazoacetic esters 1972 Herrington, D. R. Ph.D. Advisor: L. J. Boucher Stereochemistry of B-Diketone complexes of cobalt (III)

9 4 June 2002

Ph.D. Lead and thallium abundances and isotopic composition in chondrite meteorites

1972 Huey, J. M.

Advisor: T. P. Kohman

1972 Laroff, G. P. Ph.D. Advisor: R. W. Fessenden Electron spin resonance studies of the structure and proton transfer kinetics of some radiation produced free radicals in aqueous solution 1972 Lathan, W. A. Ph.D. Advisor: J. A. Pople Structures and stabilities of small molecules using AB INITIO Lcao-Mo theory 1972 Marcus, L. H. Ph.D. Advisor: C. H. V. Dyke An investigation of alkali metal derivatives of germane and some new fluorosilyl compounds 1972 Molecke, M. A. Advisor: A. A. Caretto Jr. Ph.D. A differential recoil and angular distribution study of several (p, pxn) and (p, xn) reactions of 133 Cs with 550 MeV protons 1972 Nugent, R. M., Jr. Advisor: W. L. Mock Ph.D. Stereochemistry of cycloadducts of conjugated dienes and sulfinylamides, and aspects of mechanisms regarding five- and sixmembered ring fo 1972 Obenauf, R. H. Advisor: C. W. Hand Ph.D. The reaction of dicyanoacetylene with atomic oxygen and active nitrogen studies in a flow system with mass spectometric detection 1972 Ramarao, M. Ph.D. Advisor: A. A. Bothner-By Study of rotational isomerism in acylic ketones by proton magnetic resonance spectroscopy 1972 Soylemez, T. Advisor: R. H. Schuler Ph.D. The radiation chemistry of aqueous solutions of aliphatic hydrocarbons 1972 Srinivasan, K. R. Ph.D. Advisor: R. L. Kay The pressure dependence of the dielectric constant of polar liquids 1972 Watt, C. I. F. Ph.D. Advisor: W. L. Mock The synthesis of some intermediates directed toward the preparation of pentacyclo [5.3.2.0(superscript 4, 11).0(superscript 10,8)] dodecatriene 1972 Williams, R. A. Ph.D. Advisor: A. A. Caretto Jr. Transfer vs. compound nuclear mechanisms in the reaction of heavy ions with medium-mass targets 1971 Boynton, W. V. Ph.D. Advisor: E. J. Green An investigation of the thermodynamics of calcite-rhodochrosite solid solutions 1971 Hehre, W. J. Ph.D. Advisor: J. A. Pople The development of Gaussian basis sets for use in AB Initio molecular orbital calculations on organic molecules 1971 Infelta, P. P. Ph.D. Advisor: R. H. Schuler Some considerations on ion recombinnation process in the radiolysis of hydrocarbons: application to studies at low temperature 1971 Kostelnik, R. J. Ph.D. Advisor: A. A. Bothner-By A cadium-113 nuclear magnetic resonance study of cadium (II): ligand binding in aqueous solutions 1971 Lloyd, R. V. Ph.D. Advisor: D. E. Wood EPR study of free readicals in an adamantane matrix 1971 Miller, D. P. Ph.D. Advisor: J. A. Pople AB initio calculations of some first and second order properties 1971 Pribadi, K. S. Ph.D. Advisor: R. L. Kay Ionic mobilities at high pressures 1971 Williams, L. F. Ph.D. Advisor: A. A. Bothner-By Nuclear magnetic resonance studies of nematic phase solutions of hexafluorobenzene 3, 3, 3-trifluoropropene and propene 1971 Yeh, C.-T. Advisor: J. V. Michael Ph.D. The Lyman(alpha)photometric measurements of the steady-state hydrogen atom concentrations from the mercury photosensitized decomposition of molecular hydrogen 1970 Ammons, V. G. Advisor: G. C. Berry Ph.D. Determination of synthesis parameters and molecular characterization of polybisbenzimidazo-benzophenathroline-dione Advisor: P. L. Southwick 1970 Klijanowicz, J. E. Ph.D.

Absolute rate constants and relative third body effects for the reactions: H + C2H4, H + C2D4, D + C2D4, H + C2H2, H + C2H2, and H + NO

Chemical behavior of charge-transfer complexes: an investigation of donor catalytic effectiveness in the acetolysis of 2,4,7-

Advisor: R. J. Kurland

Advisor: A. K. Colter

Advisor: J. V. Michael

4 Iune 2002 10

The chemistry of certain 3-hydroxypyrazolidine and 3-hydroxy-pyrazoline derivatives

Nuclear magnetic resonance studies of cupric acetate dimer exchange with bulk acetic acid

Ph.D.

Ph.D.

1970 Kuo, A. T.-W.

1970 Osborne, D. M.

1970 McKenna, A. L., III

Trinitro-9-Fluorenyi, p-Toluenesulfonate

1970 Sullivan, D. S., III Advisor: P. L. Southwick Ph.D. Reactions in angularly substituted pyrrolo [3, 4-b] indoles 1970 Tuazon, E. C. Ph.D. Advisor: W. G. Fateley Vibrational studies 1970 Tuggle, R. M. Ph.D. Advisor: D. L. Weaver Structural studies of triphenylcyclopropenium transition metal complexes 1969 Barker, J. R. Advisor: J. V. Michael Ph.D. Experimental determination of the oscillator strength of the 2P 3/2, 1/2 <- 2S 1/2 transition of atomic hydrogen; Absolute rate constants for the reaction H+ C2H4 and H+ C2D4. 1969 Bastian, E. J., Jr. Advisor: R. J. Kurland Ph.D. Ionization and solvent effects on one-bond carbon-13 proton coupling constants in organic acids 1969 Dobosh, P. A. Ph.D. Advisor: J. A. Pople A semi-empirical orbital theory with intermediate neglect of differential overlap (Indo) and its application to the calculation of isotropic hyperfine coupling constants 1969 Hooper, J. B. Advisor: R. B. Carlin I. The reaction of benzaldehyde with indole in aqueous media. II. The base-induced rearrangements of 3-bromo-2-phenyl-3a, 5-dimethyl-3a, 4, 7, 7a-tetrahydro [3H] pseudoindoline-4 1969 Kersting, R. J. Advisor: A. K. Colter Ph.D. An investigation on the effect of molecular complex formation upon acid-base equilibria by a kinetic method 1969 O'Connor, J. G. Ph.D. Advisor: P. L. Southwick The chemistry of the 3-hydroxypyazolidine system: 5-alkyl-3-aryl-6a-hydroxy-6-oxooctahydropyrrolo [3, 4-c] pyrazoles Advisor: P. L. Southwick 1969 Osband, A. N. Ph.D. Carboxylic acids and lactones derived from 2, 3-dioxopyrrolidines Advisor: J. A. Pople 1969 Ostlund, N. S. Ph.D. Finite perturbation theory with applications to the calculation of nuclear spin coupling constants 1969 Pietrzak, T. Ph.D. Advisor: D. E. Wood Electron spin resonance studies 1969 Snyder, C. A. Ph.D. Advisor: P. L. Southwick Compounds in the pyrrolo [3, 4-d] pyrimidine series and compounds in the dipyrrolo [3, 4-b: 3', 4'e] pyrimidine series 1969 Stalker, A. C. Advisor: A. A. Caretto Jr. A recoil study of (p, n) and (p, 2n) reactions for proton bombarding energies of 100 to 400 MeV 1969 Tirman, A. Ph.D. Advisor: J. P. Fugassi The rate of anodic polarization of iron and iron alloys 1969 Turkos, R. C. Ph.D. Advisor: A. K. Colter Chemical behavior of charge-transfer complexes. Investigation of the catalytic effects of pi - acceptors on the rate of aromatic donors 1969 Unangst, P. C. Advisor: P. L. Southwick Ph.D. Imidates and amidines containing a conjugated acetylenic bond: some reactiona of amines with derivatives of ochlorophenylpropiolic acid 1969 Viswanathan, N. Ph.D. Advisor: C. H. V. Dyke A study of some new silicon, germanium and tin derivatives 1969 Yevich, J. P. Advisor: P. L. Southwick Ph.D. Synthesis of tryptamine analogs containing the opyrrolo [3, 4-b] indole and pyrrolo [3', 4':4, 5] pyrrols [3, 4-b] indole ring systems 1968 Bosch, H. W. Ph.D. Advisor: R. B. Carlin The structure of the bromination product of 2-phenyl-3a, 5-dimethyl 3a, 4, 7, 7a - tetrahydro pseudoindolone-4 and its derivatives 1968 Buben, D. Advisor: A. K. Colter An investigation of molecular complexing and its effect on acid-base equilibria by a potentiometric method 1968 Gedansky, L. M. Ph.D. Advisor: L. G. Hepler Thermodynamic considerations 1968 Gibbon, G. A. Ph.D. Advisor: C. H. V. Dyke Synthesis and study of some new germanuim hydride derivatives 1968 Goldberg, R. N. Ph.D. Advisor: L. G. Hepler Thermodynamic investigations 1968 Kifer, E. W. Ph.D. Advisor: C. H. V. Dyke Some selected synthetic and calorimetric studies on the chemistry of group IV elements 1968 Larson, J. W. Ph.D. Advisor: L. G. Hepler

Thermochemical studies in aqueous solutions and aqueous mixtures Advisor: R. J. Kurland 1968 Ray, G. J. Ph.D. Carbon-13 nuclear magnetic resonance spectroscopy of triarylcarbonium ions and triarylcarbinols 1968 Reith, R. A. Ph.D. Advisor: A. K. Colter The stereochemistry of 1, 3-hydride shifts in bicyclic systems 1968 Schall, R. F., Jr. Ph.D. Advisor: A. A. Caretto Jr. Simple nuclear reactions on the separated isotopes of tellurium at 300 MeV 1968 Wang, J. T. Ph.D. Advisor: C. H. V. Dyke Synthesis and study of some new silicon and germanium hydride derivatives 1968 Welsh, D. A. Advisor: P. L. Southwick Ph.D. The chemistry of a 4-nitro-2, 3-dioxopyrrolidine 1967 Brown, A. P. Ph.D. Advisor: M. B. Rubin The absence of long-range conformational transmission effects in B-ring substituted 20-ketopregnanes Advisor: P. L. Southwick 1967 Emrich, W. O. Ph.D. Selective reduction of polyfunctional pyrrolidine dervatives 1967 Fink, T. E. Advisor: P. L. Southwick Ph.D. Diazepine derivatives from flavones and chromones 1967 Gordon, M. S. Advisor: J. A. Pople Ph.D. Applications of approximate molecular orbital theory to organic molelcules 1967 Kiely, F. M. Ph.D. Advisor: A. A. Caretto Jr. Detailed study of some simple reactions on light-A nuclei 1967 Miller, R. E., Jr. Ph.D. Advisor: A. K. Colter Electronic and steric effects in E2 reactions of aryl 2-pentyl sulfones 1967 Nieckarz, A. F. Ph.D. Advisor: R. B. Carlin A study of trimethyl- and dimethylphenylhydrazones of two five-membered ring ketones in the Fischer reaction 1967 Ronan, Z. Ph.D. Advisor: B. J. Mair Composition of the branched paraffin-cyclo-paraffin portion of petroleum, 140' to 180' D 1967 Walker, D. M. Advisor: P. L. Southwick Ph.D. Reactive intermediates in the Fischer indole synthesis 1967 Weber, L. Ph.D. Advisor: J. P. Fugassi The sorption of polar vapors by polynuclear aromatic quinones and hydrocarbons 1966 Biordi, J. C. Ph.D. Advisor: G. J. Mains The flash photolysis of HI in the presence of deuterated hydrocarbons 1966 Church, L. B. Ph.D. Advisor: A. A. Caretto Jr. A study of (p,xn) reactions Advisor: R. J. Kurland 1966 Davis, D. G. Ph.D. Carbon-13 nuclear magnetic resonance of paramagnetic iron group cyanide complexes 1966 Fitzgerald, J. A. Advisor: P. L. Southwick The synthesis of compunds in the pyrrolo (3,4-d) pyrimidine and pyrrolo (3,4-g) pteridine series: synthetic studies leading to a 4-nitro-2, 3-dioxpyrrolidine 1966 Goel, O. P. Advisor: R. B. Carlin Ph.D. Medium effects on methyl migration during the Fischer indole synthesis 1966 Gusik, F. F. Advisor: A. K. Colter Ph.D. Chemical behavior of charge-transfer complexes: synthesis and acetolysis of some polynitrofluorenyl and polynitrobenzhydryl P- toluenesulfonates

Advisor: A. K. Colter

1966 Hui, S. H. Ph.D.

Charge-transfer complexes in acetolysis of 2-nitro- and 2,4,7- trinitro-9-fluorenyl p-toluene-sulfonates.: I. a survey of some aryl ether donors.: II. Stereochemical consequences of charge-transfer complexing

1966 La Barge, R. G. Ph.D. Advisor: G. J. Mains Photochemical additions to camphorquinone

Advisor: G. J. Mains 1966 Lewis, D. Ph.D.

The photolysis of methyl iodide

1966 Nieckarz, W. J., Jr. Advisor: A. A. Caretto Jr. Ph.D.

Proton induced reactions on the separated isotopes of cadmium from 70 to 400 mev

1966 Segal, G. A. Ph.D. Advisor: J. A. Pople

Approximate self-consistant molecular orbital theory

1966 Sivaramakrishnan, P. Ph.D. Advisor: R. B. Carlin

12 4 June 2002

I. The Fischer reactions of cyclohexanone 2, 6-diethyl and 2, 6-diethyl-4-methylphenylhydrazones. II. The dientone-phenol rearrangement as a device for studying migratory aptitudes 1966 Tiernan, T. O. Ph.D. Advisor: G. J. Mains Part I. Radiation chemistry of monosilane. Part II. Mass spectrometric investigations oif ion-molecule reactions in monosilane 1966 Vaux, J. E., Jr. Ph.D. Advisor: M. B. Rubin C-ring modifications of 20 ketopregnanes 1966 Wu, A.-J. A. Advisor: F. O. Ellison Ph.D. Semiempirical studies of firstrow diatomic hydrides, H2o2, and Ho2 Advisor: G. J. Mains 1965 Dedinas, J. Ph.D. Radiation chemistry of tetramethylisilane 1965 Fitzgerald, B. M. Ph.D. Advisor: P. L. Southwick Ketones and enols in the pyrrolidine series: Studies of the selectivity and stereochemistry of hydride reductions Advisor: G. J. Mains 1965 Glover, A. D. Ph.D. Photochemical dimerization and cycloaddition reactions of conjugated steroid dienones 1965 Hassell, J. A. Ph.D. Advisor: J. P. Fugassi Sorption of alcohols and water on polycylic aromatic hydrocarbons with polar functionalities 1965 Hopkins, H. P., Jr. Advisor: L. G. Hepler Ph.D. Aqueous solution to thermochemistry of weak electrolytes 1965 Millero, F. J., Jr. Ph.D. Advisor: L. G. Hepler Thermodynamic investigations 1965 Patel, J. C. Advisor: F. O. Ellison Ph.D. Application of diatomics-in-molecules theory to three and four atom systems 1965 Pfieffer, G. V. Ph.D. Advisor: F. O. Ellison A diatomics-in-molecules study of the configurations and vibrations of some polyatomic systems 1965 Schuster, I. I. Advisor: A. K. Colter Ph.D. Studies related to conformations of triarylcarbonium ions 1965 Wilson, N. K. Advisor: R. J. Kurland Ph.D. Nuclear magnetic resonance studies o intramolecular hydrogen bonding Advisor: P. L. Southwick 1964 Choby, E. G., Jr. Ph.D. Compounds in the pyrrolo [3,4-e]-1,4-Dizepine series 1964 Cressy, P. J., Jr. Ph.D. Advisor: T. P. Kohman Cosmogenic radionuclides in stone meteorites 1964 Huff, N. T. Advisor: F. O. Ellison Ph.D. A diatomics-in-molecules study of some three and four atom systems in reaction and vibration 1964 Huffman, A. M. Ph.D. Advisor: R. B. Carlin Rearrangerment of 2, 2'-Polymethylene dioxyhydrazobenzenes 1964 Lee, S. K. Advisor: P. L. Southwick Ph.D. Compounds in the pyrrolo [3,4-b] Indole series: the indoline intermediates in the Fischer Indole synthesis 1964 Magistro, A. J. Ph.D. Advisor: R. B. Carlin An N[superscript 15] tracer study of the Fischer reaction of acetophenone 2,6-xylylhydrazone: the Fischer indole reaction of a-tetralone 2 1964 McKelvey, D. R. Ph.D. Advisor: A. K. Colter Electronic effects in E2 reactions 1964 Milliman, G. E. Ph.D. Advisor: P. L. Southwick Nuclear magnetic resonance studies of stereo-chemistry and tautomerism 1964 Sarma, T. P. Ph.D. Advisor: T. P. Kohman Dating of marine sediments by ionium and protactinium methods Advisor: R. B. Carlin 1964 Snow, A. M., Jr. Ph.D. Evidence of 1, 4-methyl migration during the Fischer reaction of cyclohexanone 4-ethyl-2, 6-xylylhydrazone 1964 Wise, W. B. Advisor: R. J. Kurland Ph.D.

1963 Barnewell, J. M. Ph.D. Advisor: B. J. Mair

Isolation and identification of C13 to C17 alktlnaphthalenes, alky; biphenyls and alkyldibenzofurans from the 275'to 305'C

Nuclear magnetic resonance spactra and barriers to internal rotation of 4-4'-disubstituted biphenyls

Photochemical reactions of 9, 10-phenanthrenequinone

Ph.D.

Ph.D.

1964 Yew, F. F.-H.

1964 Zwitkowits, P. M.

dinuclear aromatic

Advisor: B. J. Mair

Advisor: M. B. Rubin

Composition of the mononuclear aromatic material in the light gas oil range, low refractive index portion, 230 [degrees] - 305 [degrees] C

1963 Carter, R. P., Jr. Ph.D. Advisor: R. R. Holmes

The heats of reaction of antimony pentachloride with alkyl substituted pyridines. Part II. A proton nuclear magnetic resonance investigation of methylaminophosphines and their l:l triethylborane adducts

1963 Clemens, L. M. Ph.D. Advisor: A. K. Colter

Medium effects in the racemization of optically active biphenyls

1963 Fischer, L. C. Ph.D. Advisor: G. J. Mains

The flash photolysis of diethyl ketone and diethyl mercury

1963 Hauk, P. Ph.D. Advisor: R. G. Parr

A one-center approach to molecular electronic energies

1963 Hipps, G. E. Ph.D.

Photochemical dimerization of 4, 6-diene-3-keto steroids

1963 Ho, H. C. Ph.D. Advisor: L. G. Hepler

Thermodynamic investigations

1963 Hofmann, G. H. Ph.D. Advisor: P. L. Southwick

Compounds in the Pyrrolo [3,4-d] Pyrmidine series

1963 Hu, A. T. Ph.D. Advisor: L. G. Hepler

Calorimetric investigations

1963 Kaye, J. H. Ph.D. Advisor: T. P. Kohman

Cosmogenic X-Ray and B-Ray emitters in iron meteorites

1963 Mayer, T. J. Ph.D. Advisor: B. J. Mair

Composition of the dinuclear aromatics, C 12 to C 14, in the light gas oil fraction of petroleum

1963 Musso, R. C. Ph.D. Advisor: A. K. Colter

The neighboring cyclopropane ring in solvolytic reactions

1963 Parker, D. H. Ph.D. Advisor: R. B. Carlin

An investigation of synthetic methods directed toward the synthesis of 2-Phenyl-3a, 5-Dimethyl-3a, 4, 7, 7a-Tetrahydo [3H] Pseudoindolone-4 and some reactions of 2-Phenacyl-2-methylcyclohexan-1, 3-Dione

1963 Reuland, D. J. Ph.D. Advisor: A. A. Caretto Jr.

A 2π - differential recoil study of the Cu65 (p,pn) Cu64 reaction at incident proton energies of 396 MeV and 130 MeV

1963 Treytl, W. J. Ph.D. Advisor: A. A. Caretto Jr.

A systematic study of (p, n) reactions in the 100-400 men region

1963 Wu, C. C.-H. Ph.D. Advisor: L. G. Hepler

Calorimetric investigations and molecular orbital calculations

1962 Blossey, E. C. Ph.D. Advisor: M. B. Rubin

Steric effects on the 20-keto-steroid side chain

1962 Forstner, J. A. Ph.D. Advisor: R. R. Holmes

Synthetic and structural studies in phosphorus-nitrogen chemistry: the reation sequence from phosphorus trihalides to analogues of phosphorus pentoxide

1962 Goel, P. S. Ph.D. Advisor: T. P. Kohman

Cosmogenic carbon-14 and chlorine-36 in meteorites

1962 Harrison, J. W. Ph.D. Advisor: R. B. Carlin Acetophenone mesitylhydrazone and cyclohexanone 2, 6-xylyhydrazone in the Fischer indole synthesis

Acetophenone mesitymydrazone and cyclonexanone 2, 0-xylynydrazone in the Fischer indole synthesis

1962 Heredy, L. A. Ph.D. Advisor: J. P. Fugassi

I. Studies on the chemistry and mechanism of transbenzlation. II. Extraction of bituminous coal with phenanthrene

1962 Kuntz, R. R. Ph.D. Advisor: G. J. Mains

Mercury photosensitized decomposition of some liquid alkanes

1962 Martin, J. P., Jr. Ph.D. Advisor: D. S. McKinney

An infrared study of interaction between certain secondary amines and other polar compounds

1962 Martinez-Pico, J. L. Ph.D. Advisor: B. J. Mair

The triunclear aromatic hydrocarbons in the heavy gas oil and light lubricating distillate of petroleum

1962 Niki, H. Ph.D. Advisor: G. J. Mains

I. The formation of Benzene in the radiolysis of acetylene. II. Ultra violet-, and X-ray induced exchange reaction between hydrogen and deuterium

1962 Nonemaker, L. F. Ph.D. Advisor: R. B. Carlin

I. An investigation of hydrazone ene-hydrazine tautomerism. II. Some observations on the Diels-Reese reaction

1962 Pirog, J. A. Ph.D. Advisor: G. J. Mains

The mercury sensitized photolysis and radiolysis of ethane

Advisor: M. B. Rubin

Advisor: P. L. Southwick 1962 Zaczek, N. M. Ph.D. Reductions and a-Methylene reactions of 2, 3-dioxopyrrolidines 1961 Chao, J. Ph.D. Advisor: B. J. Mair Heats of combustion, formation, and isomerization of some aliphatic alcohols 1961 Chou, C. H. Ph.D. Advisor: P. L. Southwick Structural studies on some amino compounds derived from flavone 1961 Doepker, R. D. Ph.D. Advisor: G. J. Mains The photolysis of ketones in a fluorinated solvent 1961 Gallagher, W. P. Ph.D. Advisor: R. R. Holmes A study of the phosphorus pentachlorofluorides 1961 Hirschberg, E. H. Ph.D. Advisor: R. B. Carlin Kinetics of the rearrangement of 2-chloro-2'-methylhydrazobenzene Advisor: A. K. Colter 1961 Johnson, R. D. Ph.D. Reactions of 2-pentyl arenesulfonates with ethanolic sodium ethoxide: a study of electronic effects in base-catalyzed elimination reactions 1961 Lee, Y.-C. Ph.D. Advisor: P. L. Southwick The stereochemistry of conjugate additions: configurations of adducts from chalcones and nitroolefins 1961 Ludwig, O. G. Ph.D. Advisor: R. G. Parr Some studies in quantum chemistry 1961 Morrison, D. L. Ph.D. Advisor: A. A. Caretto Jr. A systematic study of (p, xp) reactions in the 100-400 mev region 1961 Shaub, H. Ph.D. Advisor: R. B. Carlin The structure of the basic reaction product from the Fischer indole reaction of N, N'-Dimethyl-2, 5-Xylyhydrazine and dibenzylketone 1961 Sigal, P. Ph.D. Advisor: J. P. Fugassi The catalytic polymerization of nitrobenzene 1961 Vida, J. A. Advisor: P. L. Southwick Ph.D. The synthesis and stereochemistry of pyrrolidines and 3, 3'-Bipyrrolidines 1961 Wagner, R. P. Ph.D. Advisor: R. R. Holmes Part I. Acid properties of triply connected phosphorus; Part II. Reactions of dimethylaminomethylphosphines with boron trihalides and trialkyls 1961 Wang, S. S.-N. Ph.D. Advisor: A. K. Colter Charge transfer complexes in solvolysis; Synthesis and acetolysis of 2, 4, 7-trinitro-9-fluorenyl p-toluenesulfonate 1961 Whelan, W. J. Ph.D. Advisor: R. B. Carlin The homogeneous aqueous solution kinetics of the benzidine rearrangement 1961 Wilmot, W. H. Ph.D. Advisor: J. P. Fugassi Sorption of methanol on polynuclear compounds with polar functionalitites 1960 Almodovar, I. Ph.D. Advisor: T. P. Kohman Thorium isotopes method for dating marine sediments 1960 Barnas, E. F. Ph.D. Advisor: P. L. Southwick Aldol conversations of 2.3-dioxopyrrolidines 1960 Brandau, B. L. Ph.D. Advisor: R. R. Holmes I. Preparation of Phosphorus Tri-N-Methylimide. II. Phase studies of the Methyl Amine-Hydrogen Chloride systems Advisor: P. L. Southwick 1960 Elv, W. T. Ph.D. The synthesis of compounds related to vasicine 1960 Labbauf, A. Ph.D. Advisor: F. D. Rossini? Part A: Thermochemistry of selected cylomono-olefin hydrocarbons. Part B: Heat of isomerization of the CIS and transisomers of 9-methyldec 1960 Masciantonio, P. Ph.D. Advisor: J. P. Fugassi Sorption studies on coals Advisor: J. P. Fugassi 1960 Mitchell, M. M. Ph.D. Kinetics of sorption of methanol on acetylated coals 1960 Owellen, R. J. Advisor: P. L. Southwick Ph.D. Compounds in the Pyrrolo [3, 4-b] indole series 1959 Bartkus, E. A. Advisor: P. L. Southwick Ph.D. A study of direct aromatic carboxymethylation

The synthesis and rearrangement in 2:1 sulfuric acid of 3, 5-Dibromo-3', 5'-Dimethylhydrazobenzene

Advisor: R. B. Carlin

15

Ph.D.

1959 Ebner, H. G.

1959 Heintzelman, W. J. Ph.D. Advisor: R. B. Carlin A study of a continuous Fischer indole synthesis and an investigation of the chemistry of 3a, 4, 7, 7a-Tetrahydro-2-Phenyl-3a, 5-Dimethyl (3H) Pseu doindolone-4 1959 MacFarlane, R. D. Ph.D. Advisor: T. P. Kohman Natural alpha radioactivity in medium-heavy elements 1959 Saturno, A. F. Ph.D. Advisor: R. G. Parr A one-center wave function for the methane molecule 1959 Snyder, L. C. Ph.D. Advisor: R. G. Parr Three studies in quantum chemistry 1959 Stemniski, J. R. Advisor: P. L. Southwick Ph.D. The stereochemistry of addition of amines to nitroolefins 1958 Companion, A. L. Ph.D. Advisor: F. O. Ellison Quantum mechanical studies of molecular structure. Semi-empirical treatment of mono- and dihydrides of first row element 1958 Kirchner, J. R. Ph.D. Advisor: P. L. Southwick Part I. The chemistry of 4-aminoflavylium chlorides. Part II. Reactions of the morpholine iodine complex with acetylenic compounds 1958 Krajewski, J. J. Advisor: R. B. Carlin Ph.D. The Ullmann reactons of four aryl polyhalides 1958 Laufer, R. J. Ph.D. Advisor: R. B. Carlin A new synthesis of 1, 2-dimethylarylhydrazines and their reactions with ketones in the fischer and related reactions 1958 Mayer, D. P. Ph.D. Advisor: P. L. Southwick Synthetic studies in the pyrrolidine and 3, 3'-bipyrrolidine series 1958 Moores, M. S. Advisor: R. B. Carlin Ph.D. Evidence of 1, 4-methyl migration during the Fischer reaction of cyclohexanone mesitylhydrazone 1958 Ostapchenko, G. J. Advisor: J. P. Fugassi Ph.D. The kinetics of the sorption and desorption of methanol on coals of various rank Advisor: R. B. Carlin 1958 Peffer, J. R. Ph.D. The acid-catalyzed transformations of 4-bromohydrazobenzene Advisor: G. J. Mains 1958 Peterson, D. B. Ph.D. The photolysis of acetone in some fluorinated solvents 1958 Solomon, J. A. Ph.D. Advisor: J. P. Fugassi Pyrolysis of coal under high vacuum 1957 Bertaut, E. F. Advisor: R. R. Holmes? Ph.D. The interaction of group Vb chlorides with trimethylstibine and related group Vb trialkyls 1957 Bridges, J. M. Ph.D. Advisor: J. P. Fugassi The ortho effect: a study of the acid-catalyzed hydrolysis of ortho substituted phenl acetates and their para isomers 1957 Carlson, D. P. Advisor: R. B. Carlin Ph.D. A study of the mechanism of the Fischer Indole Reaction: the reactions of 2, 6-dimethylphenylhydrazones with zinc chloride 1957 Casanova, J. Advisor: P. L. Southwick Ph.D. A new synthesis of vasicine and 6-methoxyvasicine: Studies of the chemistry of some 2, 3-dioxopyrrolidine derivatives 1957 Duffek, E. F. Advisor: P. E. Snyder Ph.D. An equilibrium study of the system: NiO-CO2-H2O 1957 Eberly, P. E. Advisor: F. D. Rossini Ph.D. Separation of the 132 degrees to 138 degrees Celcius fraction of petroleum: bicycloparaffins in the gasoline fraction of petroleum 1957 Ehmann, W. D. Ph.D. Advisor: T. P. Kohman Cosmic-ray-induced radioactivities in meteorites and tektites 1957 Greifer, B. Ph.D. Advisor: J. P. Fugassi Vacuum pyrolysis of bituminous coal Advisor: R. G. Parr 1957 Joy, H. W. Ph.D. A one-center wave function for the hydrogen molecule 1957 Kropf, R. A. Advisor: P. L. Southwick Ph.D. Structural studies on phenylcinnamolone, a self-condensation product of a-phenylcinnamic acid 1957 Rightmire, R. A. Ph.D. Advisor: T. P. Kohman Long-lived aluminum-26

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Ph.D.

The thermochemistry of selected monoolefin hydrocarbons

Advisor: F. D. Rossini

1957 Rockenfeller, J. D.

1957 Shozda, R. J. Stereochemical aspects of con	Ph.D.	Advisor: P. L. Southwick
1956 Albright, D. M.	Ph.D.	Advisor: P. E. Snyder
The high temperature thermod 1956 Anderson, J. E.	Ph.D.	Advisor: P. L. Southwick
A stereochemical study of the 1956 Bartolo, H. F.	addition of amines to a nitroolefin Ph.D.	Advisor: F. D. Rossini
Thermochemistry of the seven		Advisor. 1. D. Rossini
1956 Diethorn, W. S.	Ph.D. er system for natural radiocarbon measurements	Advisor: T. P. Kohman
1956 Greenshields, J.	Ph.D.	Advisor: F. D. Rossini
Molecular structure and prope 1956 Marculaitis, W. J.	rties of hydrcarbons and related compounds Ph.D.	Advisor: F. D. Rossini
Composition of the heavy gas- 1956 McDougall, R. I.	oil and light lubricating oil fraction of petroleum Ph.D.	Advisor: D. S. McKinney
The association of cyclic amin	es in tetrachloroethylene	•
1956 Parks, J. M. A quantum mechanical study of	Ph.D. of the formaldehyde molecule	Advisor: R. G. Parr
1956 Sung, Wl.	Ph.D.	Advisor: R. B. Carlin
The transformations of 3, 3'-di 1956 Trammell, M. R.	chloro-5, 5'-dimethylhydrazobenzene in 2:1 sulfuric acid Ph.D.	Advisor: J. P. Fugassi
The adsorption of organic vap	ors on coal	
1955 Amoros-Marin, L. A study of 2,4,6-triarylpyridin		Advisor: R. B. Carlin
1955 Carlson, H. E.	Ph.D.	Advisor: P. L. Southwick
A study of the chemistry of 2, 1955 Kealy, T. J.	Ph.D.	Advisor: R. B. Carlin
-	promoted fischer reactions of acetophenone 2-Bromo-6-Ch	
1955 Munsell, M. W. A study of aromatic carboxym	Ph.D.	Advisor: P. L. Southwick
1955 Weschler, M. C.	Ph.D.	Advisor: J. P. Fugassi
The kinetics of hydrolysis of b 1954 Browne, C. C.	enzenepolycarboxylic esters Ph.D.	Advisor: F. D. Rossini
•	l laboratory and the thermochemistry of cis- and trans- He	
1954 Hemstreet, R. A.	Ph.D.	Advisor: D. S. McKinney
	ine, piperazine and triethylenediamine Ph.D.	Advison D. D. Conlin
1954 Henley, W. O. The preparation of some polyr	Ph.D. nethylphenylhydrazones by the Japp-Klingemann reation :	Advisor: R. B. Carlin and the Fischer indole reactions of
ethyl pyruvate 2, 6-dimethylph	nenylhydraone	
1954 Imhof, L. G. The kinetics of the pyrolysis o	Ph.D. f Tertiary Amyl Acetate	Advisor: J. P. Fugassi
1954 Loeffler, M. C. S.	Ph.D.	Advisor: J. P. Rossini
<u>•</u>	ecylcyclopentane, normal decylcyclohexane, 1-hexadecen	a, normal decylbenzene, and related
compound 1954 Lykos, P. G.	Ph.D.	Advisor: R. G. Parr
_	antum chemistry of the benzene and naphthalene molecule	
	Ph.D. ene, 1-methylnaphthalene, 2-methylnaphthalene, cis-Decal	Advisor: F. D. Rossini nydronaphthalene, trans-
decahydronaphthalene, and rel 1954 Markle, C. H.	ated Ph.D.	Advisor: J. P. Fugassi
The thermal decomposition of	t-Butyl Chloro-acetate: a kinetic study	
1954 Mason, J. H.	Ph.D. cyclohexanone phenylhydrazone in 95% ethanolic hydro	Advisor: R. B. Carlin
1954 Pignocco, A. J.	Ph.D.	Advisor: F. D. Rossini
Fractionation by distillation at 1054 Solia H	very low pressures Ph.D.	Advisor: T. P. Kohman
1954 Selig, H. Search for long-lived Beta Rac		Auvisoi. 1. f. Kollilläll

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1954 Stansfield, R. E.	Ph.D.	Advisor: P. L. Southwick
The formation of acetyl N, N-Phenylcinnamolone, a compo	Diaryldipeptides by the acetylation of N-Arylglycines.:n Pa	art II,:p a study of the structure of
1953 Dimond, H. L.	Ph.D.	Advisor: P. L. Southwick
Certain reactions of iodomethy		Advisor. 1. L. Southwick
1953 Donaruma, L. G.	Ph.D.	Advisor: P. L. Southwick
· · · · · · · · · · · · · · · · · · ·	ketone. A pyrolysis product of a-phenylcinnamoyl chloride	
1953 Gronholz, L. F.	Ph.D.	Advisor: J. P. Fugassi
The thermal decompositon of t		Advisor. J. F. Fugassi
1953 Larson, G.	Ph.D.	Advisor: R. B. Carlin
The state of the s	e zinc halide induced fischer indole reactions of acetopheno	
1953 Mahoney, T. J.	Ph.D.	
3 /	ns in dilute carbon tetrachloride solution	Advisor: D. S. McKinney
1953 McIntyre, W. E.	Ph.D.	Advisor: P. L. Southwick
A new synthesis of thyronine	rn.D.	Advisor. F. L. Soudiwick
1953 Parker, F. G.	Ph.D.	Advisor: I D Fugassi
· · · · · · · · · · · · · · · · · · ·	a subbituminous coal at elevated temperaturres	Advisor: J. P. Fugassi
-	Ph.D.	Advisom D.E. Smydon
1953 Rothman, A. B.		Advisor: P. E. Snyder
An equilibrium study of the sy		Advison D.E. Cardon
1953 Staskiewicz, B. A.	Ph.D.	Advisor: P. E. Snyder
	bdenum trioxide. The high temperature thermodynamic pro	
1953 Walsh, W. L.	Ph.D.	Advisor: P. L. Southwick
	cids with naphthalene - a synthesis of a-naphthaleneacetic	
	rated ketone; the reaction of N-bromomorpholine with ben	-
1953 Wich, G. S.	Ph.D.	Advisor: R. B. Carlin
	ide catalyzed rearrangements of oHydrazoanisole and p_	
1952 Cosgrove, L. A.	D.Sc.	Advisor: P. E. Snyder
	the high temperature thermodynamic properties of MoO3	Al: DIGILI
1952 Crouch, R. T.	D.Sc.	Advisor: P. L. Southwick
	nopropionic esters with oxalic acid derivatives	4.1.: P. D. C. 1:
1952 Foltz, G. E.	D.Sc.	Advisor: R. B. Carlin
	bromo-5, 5'-dimethyl-hydrazobenzene	4.1.: P. D. C. 1:
1952 Heininger, S. A.	D.Sc.	Advisor: R. B. Carlin
	ents of 3,3', 5, 5'-tetrafluorohydrazobenzene	
1952 Mulholland, G. I.	D.Sc.	Advisor: T. P. Kohman
Natural radioactivity of lantha		
1952 Sapper, D. I.		Advisor: P. L. Southwick
Reactions of 1-halogen derivat		
1952 Swakon, E. A.	D.Sc.	Advisor: R. B. Carlin
	4-nitroiodobenzene with copper	
1952 Taylor, G. R.	D.Sc.	Advisor: R. G. Parr
Studies in molecular quantum		
1951 Beard, A. P.	D.Sc.	Advisor: P. E. Snyder
	nd entropy of tungsten trioxide between 0 degrees and 1000	-
1951 Christman, D. R.	D.Sc.	Advisor: P. L. Southwick
Some reactions of unsaturated	compounds with iodine-amine complexes	
1951 Gebhardt, J. J.	D.Sc.	Advisor: D. S. McKinney
Infrared absorption study of H	Cl and HBr in SnCl4, Cl4, CS2, and CHCl3	
1951 Kant, A.	D.Sc.	Advisor: T. P. Kohman
Kinetics of exchange of isotop	ic carbon between oxalatopentamminocobalti ion and unbo	und oxalate
1951 Odioso, R. C.	D.Sc.	Advisor: R. B. Carlin
Kinetics of the rearrangements	of hyrazobenzene, orthohydrazotoluene, and metahydrazo	toluene
1951 Wilson, T. C.	D.Sc.	Advisor: J. P. Fugassi
A kinetic study of the formatic	on and decomposition of the dimer isopropenyl ketone	_
1950 Kelly, J. C. R., Jr.	D.Sc.	Advisor: P. E. Snyder
Measurement of the low temper	erature heat capacity of sodium hydroxide: the entropy of so	odium hydroxide at 298.16'K
1950 Reif, A. E.	D.Sc.	Advisor: J. P. Fugassi
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The mechanism of the carbon monoxide-carbon reaction 1950 Russin, N. C. D.Sc. Advisor: J. P. Fugassi Vapor-liquid equilibrium in n-heptane-n-propyl alcohol mixtures 1950 Vogel, K. H. Advisor: J. C. Warner D.Sc. Kinetics of ester hydrolysis 1950 Wallace, J. G. D.Sc. Advisor: R. B. Carlin II. Studies on the Fischer indole synthesis: the migrations of atoms of positive halogen under conditions of the Fischer synthesis Advisor: J. C. Warner 1950 Woodland, W. C. D.Sc. Acid-based levels of the systems methanol-water and 1, 4-dioxane water 1949 Braithwaite, C. H., Jr. D.Sc. Advisor: P. L. Southwick Synthesis of pteridines 1949 Cowan, G. A. Advisor: J. P. Fugassi D.Sc. A kinetic study of the thermal decomposition of tertiary butyl formate 1949 Gibian, T. G. D.Sc. Advisor: D. S. McKinney The infra-red spectra and force constants of chloroform and trichlorosilane 1949 Holman, J. L. Advisor: J. P. Fugassi D.Sc. The kinetics of olefin formation in the pyrolysis of tertiary amyl chloride 1949 Huff, G. F. Advisor: P. E. Snyder The heat of formation of tungstic oxide (WO3) 1949 Hufford, D. L. Advisor: R. B. Carlin D.Sc. The polymerization of p-chlorostyrene in the presence of polymethylacrylate 1949 Pozefsky, A. D.Sc. Advisor: D. S. McKinney The infrared spectra of ethylene halohydrins 1949 Pursglove, L. A. D.Sc. Advisor: P. L. Southwick Certain reactions of 1, 4-diphenyl-1-bromo-3-butene-2-one 1949 Sadler, M. S. D.Sc. Advisor: J. P. Fugassi A kinetic study of the semicarbazone formation of some substituted benzophenones Advisor: R. B. Carlin 1948 Fisher, E. E. Studies on the Fischer indole synthesis 1948 Forshey, W. O. D.Sc. Advisor: R. B. Carlin The rearrangements of three 3,3', 5, 5'-tetra-substituted hydrazobenzenes 1948 Landerl, H. P. Advisor: R. B. Carlin D.Sc. The dehydration of a series of methyl-substituted 1-phenyl-1-cyclohexanols 1948 McCabe, C. L. D.Sc. Advisor: J. C. Warner A kinetic study of the alkaline and neutral hydrolyses of the ethylene halohydrins 1948 Numerof, P. Advisor: P. L. Southwick D.Sc. I. The condensation of d-glucose with p-aminobenzoic and ethyl p-aminobenzoate. II. The reaction of n-bromosuccinimide with phenyl substituted alpha, beta-unsaturated ketones 1948 Seivard, L. L. Advisor: P. L. Southwick D.Sc. The ring-closure of N-alkoxalyl-beta-anilinopropionic acids 1947 Cross, R. P. D.Sc. Advisor: G. Stempel A kinetic study of the semicarbazone formation of some aromatic ketones 1947 Dienes, G. J. Advisor: H. Seltz D.Sc. Activation energy for the diffusion of coupled pairs of vacancies in alkali halide crystals 1947 Toensing, C. H. D.Sc. Advisor: D. S. McKinney Thermodynamic studies on autenitic solid solutions: activity of carbon as a function of composition and temperature in iron and nickel steels Advisor: H. Seltz 1946 McGraw, L. D. D.Sc. The heat of combustion of tungsten carbide 1946 Young, C. W. D.Sc. Advisor: D. S. McKinney The infrared spectra of the tetramethyl compounds of group IVB elements 1945 Mariella, R. P. Advisor: G. Stempel D.Sc.

1944 Colon, I. A. D.Sc. Advisor: G. Stempel 19

A comparative study of the reactivity of semicarbazide, hydroxylamine and phenylhydrazine: studies in the cholesterol and

Advisor: D. S. McKinney

cyclobutane series

The infrared spectra of the fluor-chloromethanes

1945 McGovern, J. J.

Studies in the isobenzofurane series Advisor: J. P. Fugassi 1944 Neuworth, M. D.Sc. The chemical nature of the primary coal hydrogenation products 1944 Snyder, P. E. D.Sc. Advisor: H. Seltz Heat formation of aluminum oxide Advisor: J. C. Warner 1943 Colon, A. A. D.Sc. Kinetics of the hydrolyses of esters of lactic acid 1943 Friedel, R. A. D.Sc. Advisor: D. S. McKinney The infra-red absorption spectrum of liquid and gaseous morpholine 1943 Schaffel, G. S. D.Sc. Advisor: G. Stempel A comparative study of the kinetics and mechanisms of fortmation of the phenylhydrazone semicarbazone, and oxime of d-1943 Warrick, E. L. Advisor: J. P. Fugassi D.Sc. The kinetics of the thermal decomposition of tertiary butyl propionate 1942 Berl, W. G. Advisor: J. C. Warner D.Sc. The Electrical Reduction of Oxygen on Activated Surface Electrodes Advisor: H. Seltz 1942 Dunkerley, F. J. D.Sc. Low temperature heat capacities of tungstic oxide, tungsten carbide, titanium carbide, and tungsten-titanium carbide 1942 Rudy, C. E. Advisor: J. P. Fugassi D.Sc. A kinetic study of the thermal decomposition of t-butyle acetate Advisor: J. C. Warner 1942 Stevens, J. E. D.Sc. Reaction between ethylene chlorhydrin and hydroxyl ion in mixed solvents: mediam effect and mechanism 1941 DeWitt, B. J. Advisor: H. Seltz D.Sc. The heat capacities of nickel oxide, molybdenum oxide, and titanium from 68-298 degrees K 1939 McDonald, H. J. D.Sc. Advisor: H. Seltz The heat capacities of titanium dioxide and iron carbide from 68-298'K Advisor: J. C. Warner 1938 Eagle, S. D.Sc. Kinetics of the reactions of alkyl halides with bases in hydroxylic solvents Advisor: J. C. Warner 1938 McKinney, D. S. D.Sc. The infrared spectra of boron trifuoride and of 1, 4-dioxane 1938 Orning, A. A. D.Sc. Advisor: G. Stempel

1938 Orning, A. A.

The mechanism of the d-glucose phenylhydrazone reaction in relation to the mutarotation reaction

1938 Winstrom, L. O.

D.Sc.

Advisor: J. C. Warner

Kinetic medium and salt effects in the reaction of ethylene chlorohydrin with the hydroxyl ion

1937 Ablard, J. E. D.Sc. Advisor: J. C. Warner
Equivalent conductance, dissociation constants and heats of dissociation of triethylamine in alcohol-water solutions

1936 McAteer, J. H., II D.Sc. Advisor: H. Seltz

Part I. An attempt to determine activities in the lead-indium and silver-palladium systems. Part II. The thermodynamic properties of the tellurides of zinc, cadium, tin, and lead

Advisor: H. Seltz

1936 Strickler, H. S. D.Sc.
A thermodynamic study of the lead - bismuth

1935 Svirbely, W. J. D.Sc. Advisor: J. C. Warner

Electric moments of BF3, d-Pinene, and d-Limonene

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Ordered by Ph.D. Receipient

1937 Ablard, J. E. Advisor: J. C. Warner D.Sc. Equivalent conductance, dissociation constants and heats of dissociation of triethylamine in alcohol-water solutions 1984 Abrams, L. Advisor: W. E. Brown Ph.D. Some studies on the interaction of IgG and Clq 1998 Achim, C. Ph.D. Advisor: E. Münck Electron transfer involving mixed-valence metal clusters 1973 Ahumada, J. J. Ph.D. Advisor: J. V. Michael The usefulness of the mercury photosensitized decomposition of molecular hydrogen as a source of hydrogen atoms in chemical kinetics 1977 Aksov, M. Ph.D. Advisor: D. J. Hartshorne Regulation of Mg ++- ATPase and contraction in smooth muscle 1956 Albright, D. M. Ph.D. Advisor: P. E. Snyder The high temperature thermodynamic properties of cryolite 1960 Almodovar, I. Ph.D. Advisor: T. P. Kohman Thorium isotopes method for dating marine sediments Ph.D. Advisor: P. L. Southwick 1973 Amarnath, V. Synthesis of 6, 7-dihydro-5H-pyrrolo[3,4-d] pyrimidine derivatives of antimalarial interest 1970 Ammons, V. G. Ph.D. Advisor: G. C. Berry Determination of synthesis parameters and molecular characterization of polybisbenzimidazo-benzophenathroline-dione 1955 Amoros-Marin, L. Ph.D. Advisor: R. B. Carlin A study of 2,4,6-triarylpyridines 1956 Anderson, J. E. Ph.D. Advisor: P. L. Southwick A stereochemical study of the addition of amines to a nitroolefin Advisor: D. J. Hartshorne 1978 Aromatorio, D. K. Ph.D. Calcium regulation in smooth muscle: isolation and characterization of the myosin light chain kinase 1988 Atamian, M. Ph.D. Advisor: D. F. Bocian Effects of peripheral substituents on the redox and spectroscopic properties of metalloporphyrins. I. Model complexes. II. Hemoproteins 1974 Aufderheide, B. E. Ph.D. Advisor: R. F. Sprecher Synthesis, boron-11 shift assignments and correlations for halogenated decaboranes, carboranes and derivatives, and thermal re-arrangements of 1-phenyl-3-fluoro-o-carborane Advisor: A. J. S. L. K. Sakan 1987 Babirad, S. A. Synthetic and conformational analysis of erythronolide a derivatives and C-1,4-disaccharides 1972 Balaram, P. Ph.D. Advisor: A. A. Bothner-By A proton magnetic response study of the binding of lysine-vasopressin and peptide analogs to bovine neurophysin-II 1969 Barker, J. R. Ph.D. Advisor: J. V. Michael Experimental determination of the oscillator strength of the 2P 3/2, 1/2 <- 2S 1/2 transition of atomic hydrogen; Absolute rate constants for the reaction H+ C2H4 and H+ C2D4. Advisor: P. L. Southwick 1960 Barnas, E. F. Ph.D. Aldol conversations of 2.3-dioxopyrrolidines 1963 Barnewell, J. M. Ph.D. Advisor: B. J. Mair Composition of the mononuclear aromatic material in the light gas oil range, low refractive index portion, 230 [degrees] - 305 [degrees] C 1959 Bartkus, E. A. Advisor: P. L. Southwick Ph.D. A study of direct aromatic carboxymethylation Ph.D. Advisor: F. D. Rossini 1956 Bartolo, H. F. Thermochemistry of the seventeen isomeric hexenes Advisor: T. J. Collins 1997 Bartos, M. J. Ph.D. Development and study of high valent iron complexes Advisor: R. J. Kurland 1969 Bastian, E. J., Jr. Ph.D. Ionization and solvent effects on one-bond carbon-13 proton coupling constants in organic acids 1951 Beard, A. P. Advisor: P. E. Snyder The enthalpy, heat capacity, and entropy of tungsten trioxide between 0 degrees and 1000 degrees centigrade 2000 Beers, K. L. Advisor: K. Matyjaszewski Design, synthesis and properties of comb copolymers with variable grafting density by controlled radical polymerization

1995 Belot, J. A. Ph.D. Advisor: R. D. McCullough Synthesis and characterization of new organic, inorganic, and organometallic tetrathiafulvalenes and CdSe hybrid materials 1974 Bently, J. J., Jr. Ph.D. Advisor: R. F. Stewart Charge density analysis of coherent X-ray scattering by diatomic molecules Advisor: L. E. Alexander 1974 Beres, J. J. Ph.D. Crystal structure analysis of two cyclic urethane oligomers 1942 Berl, W. G. D.Sc. Advisor: J. C. Warner The Electrical Reduction of Oxygen on Activated Surface Electrodes Advisor: R. R. Holmes? 1957 Bertaut, E. F. Ph.D. The interaction of group Vb chlorides with trimethylstibine and related group Vb trialkyls 1990 Bickerstaff, R. D. Ph.D. Advisor: L. R. Sita Cyclic and polycyclic stannanes of classical and non-classical structure 1979 Binkley, J. S. Ph.D. Advisor: J. A. Pople Meller-Plesset electron studies of atoms and small molecules 1966 Biordi, J. C. Advisor: G. J. Mains Ph.D. The flash photolysis of HI in the presence of deuterated hydrocarbons 1962 Blossey, E. C. Ph.D. Advisor: M. B. Rubin Steric effects on the 20-keto-steroid side chain 1973 Bogan, D. J. Ph.D. Advisor: C. W. Hand Kinetics of the reaction of ethylene oxide with O3P atoms Advisor: M. Llinás 1993 Bokman, A. M. Ph.D. Urokinase kringle domain: solution structure and ligand-binding properties 1988 Boldt, N. J. Ph.D. Advisor: D. F. Bocian Resonance raman studies of biomolecular systems: I. Chlorophyll model compounds. II. Bacterial photosynthetic reaction centers 1968 Bosch, H. W. Advisor: R. B. Carlin Ph.D. The structure of the bromination product of 2-phenyl-3a, 5-dimethyl 3a, 4, 7, 7a - tetrahydro pseudoindolone-4 and its derivatives 1981 Bose, K. Advisor: A. A. Bothner-By Ph.D. Studies on the solution conformations of parvalbumin 1971 Boynton, W. V. Advisor: E. J. Green Ph.D. An investigation of the thermodynamics of calcite-rhodochrosite solid solutions 1949 Braithwaite, C. H., Jr. Advisor: P. L. Southwick D.Sc. Synthesis of pteridines 1960 Brandau, B. L. Ph.D. Advisor: R. R. Holmes I. Preparation of Phosphorus Tri-N-Methylimide. II. Phase studies of the Methyl Amine-Hydrogen Chloride systems 1957 Bridges, J. M. Advisor: J. P. Fugassi Ph.D. The ortho effect: a study of the acid-catalyzed hydrolysis of ortho substituted phenl acetates and their para isomers 1999 Briknarová, K. Advisor: M. Llinás Ph.D. The second and third fibronectin type II modules from human matrix Metalloproteinase 2: Structure, function and dynamics Advisor: M. B. Rubin 1967 Brown, A. P. Ph.D. The absence of long-range conformational transmission effects in B-ring substituted 20-ketopregnanes Advisor: M. Kaplan 1997 Brown, C. M. Ph.D. Statistical evaporation of light charged particles in heavy ion induced nuclear reactions 1954 Browne, C. C. Advisor: F. D. Rossini Ph.D. Assembly of a thermochemical laboratory and the thermochemistry of cis- and trans- Hexahydroindan 1968 Buben, D. Advisor: A. K. Colter An investigation of molecular complexing and its effect on acid-base equilibria by a potentiometric method 2004 Bui, H. Ph.D. Advisor: G. C. Berry Viscoelastic Study of Reversible Gels and Block Copolymer Melts 1973 Bulkowski, J. E. Advisor: C. H. V. Dyke Ph.D. The synthesis and study of some organofluorosilanes and germanes and certain o-alkyl transition metal derivatives containing silicon 1983 Burchfield, D. Ph.D. Advisor: G. C. Berry The photochemistry of the u-oxo-bis-(Pentaamineruthenium (III)) (4+) ion in aqueous solution 1998 Bursulaya, B. Ph.D. Advisor: H. J. Kim

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Truncated adiabatic basis-set approach to the modeling of molecular polarizability in computer simulation studies

1991	Byeon, IJ. L.	Ph.D. plasminogen activator kringle 2 domain	Advisor: M. Llinás
2004	Cao, R.	Ph.D.	Advisor: B. A. Armitage
1055		m Cyanine Dye-DNA Complexes to Recyclable Enzymes	
1957	Carlson, D. P.	Ph.D.	Advisor: R. B. Carlin
	A study of the mechanism of the	e Fischer Indole Reaction: the reactions of 2, 6-dimethylph	nenylhydrazones with zinc chloride
1955	Carlson, H. E.	Ph.D.	Advisor: P. L. Southwick
	A study of the chemistry of 2, 3	-Pyrrolidinediones	
1963	Carter, R. P., Jr.	Ph.D.	Advisor: R. R. Holmes
1705		ny pentachloride with alkyl substituted pyridines. Part II. A	
		ylaminophosphines and their l:1 triethylborane adducts	r proton nuclear magnetic
1057		Ph.D.	Advisor: P. L. Southwick
1937	Casanova, J.		
1061		6-methoxyvasicine: Studies of the chemistry of some 2, 3	
1961	Chao, J.	Ph.D.	Advisor: B. J. Mair
	Heats of combustion, formation	, and isomerization of some aliphatic alcohols	
1973	Chawla, O. P.	Ph.D.	Advisor: R. W. Fessenden
	An electron spin resonance stud	y of the mechanism and kinetics of photochemical reactio	ns in aqueous solutions
1989	Chen, Sj.	Ph.D.	Advisor: G. C. Berry
1,0,		oderately concentrated solutions of polystyrene in cyclohe	
1064	Choby, E. G., Jr.	Ph.D.	Advisor: P. L. Southwick
1904			Advisor. F. L. Soudiwick
1061	Compounds in the pyrrolo [3,4-		
1961	Chou, C. H.	Ph.D.	Advisor: P. L. Southwick
		o compounds derived from flavone	
2002	Chowdhury, A.	Ph.D.	Advisor: L. A. Peteanu
		arge-transfer properties of chemical and biological system	s as measured by Stark
	spectroscopy		•
1951	Christman, D. R.	D.Sc.	Advisor: P. L. Southwick
1,01		ompounds with iodine-amine complexes	110/1001/ 1/2/200441//1011
1066	Church, L. B.	Ph.D.	Advisor: A. A. Caretto Jr.
1900		TII.D.	Auvisoi. A. A. Carcilo Ji.
1000	A study of (p,xn) reactions	DI D	A 1 . A A C T
1980	Clark, J. L.	Ph.D.	Advisor: A. A. Caretto Jr.
	-	edium energy pion double charge exchange reactions: [20]	
1963	Clemens, L. M.	Ph.D.	Advisor: A. K. Colter
	Medium effects in the racemiza	tion of optically active biphenyls	
1976	Coe, C. G.	Ph.D.	Advisor: L. J. Boucher
	•	of some manganese (III) and manganese (III,IV) Schiff bas	se complexes
1943	Colon, A. A.	D.Sc.	Advisor: J. C. Warner
1743	Kinetics of the hydrolyses of es		Advisor. J. C. Warner
1044			Advison C Stompol
1944	Colon, I. A.	D.Sc.	Advisor: G. Stempel
	Studies in the isobenzofurane se		
1958	Companion, A. L.	Ph.D.	Advisor: F. O. Ellison
	Quantum mechanical studies of	molecular structure. Semi-empirical treatment of mono-	nd dihydrides of first row element
1991	Constantine, K. L.	Ph.D.	Advisor: M. Llinás
	Proton magnetic resonance and	modeling studies of ferrichrome peptides and type II dom:	ains
1952	Cosgrove, L. A.	D.Sc.	Advisor: P. E. Snyder
1,02		he high temperature thermodynamic properties of MoO3	ria (isor. 1. 2. sir) acr
1070	Cotts, D. B.	Ph.D.	Advisor: G. C. Berry
1717			
1040		odlike polymer poly-[benzo(1,2-D:5,4-D') bisoxazole-2,6-	
1949	Cowan, G. A.	D.Sc.	Advisor: J. P. Fugassi
		ecomposition of tertiary butyl formate	
1974	Cowfer, J. A.	Ph.D.	Advisor: J. V. Michael
		investigation of nonequilibrium kinetic isotope effects in c	
	II. A kinetic investigation of the reactions of atomic hydrogen and deuterium with silane and mono-, di-, and trimethylsilane		
		ystem with mass spectrometric detection	
1964	Cressy, P. J., Jr.	Ph.D.	Advisor: T. P. Kohman
	Cosmogenic radionuclides in ste	one meteorites	
1947	Cross, R. P.	D.Sc.	Advisor: G. Stempel

A kinetic study of the semicarbazone formation of some aromatic ketones

1952	Crouch, R. T.	D.Sc.	Advisor: P. L. Southwick
1073		propionic esters with oxalic acid derivatives Ph.D.	Advisor: J. A. Pople
1913	Curtiss, L. A.	mplexes using ab initio molecular orbital theory	Advisor. J. A. Popie
1973	Daniel, J. L.	Ph.D.	Advisor: D. J. Hartshorne
1713	•	the regulation of muscle activity	Advisor. D. J. Hartshorne
2004	Datta, B.	Ph.D.	Advisor: B. A. Armitage
2004	· ·	g Guanine-Quartets and Hybrid Aptamers	Advisor. B. A. Adminage
1966	Davis, D. G.	Ph.D.	Advisor: R. J. Kurland
1,00		onance of paramagnetic iron group cyanide complexes	110/1001/ 11/0/11/0/11/0/
2001	Davis, K. A.	Ph.D.	Advisor: K. Matyjaszewski
	Segmented copolymers by atom	transfer radical polymerization	73
1965	Dedinas, J.	Ph.D.	Advisor: G. J. Mains
	Radiation chemistry of tetramet	nylisilane	
1981	Denys, L.	Ph.D.	Advisor: A. A. Bothner-By
		he conformational diversity of bradykinin at 600 MHz	_
1941	DeWitt, B. J.	D.Sc.	Advisor: H. Seltz
		de, molybdenum oxide, and titanium from 68-298 degree	
1976	Dhawan, B.	Ph.D.	Advisor: P. L. Southwick
	convenient preparation of mono		
1994	Diao, B.	Ph.D.	Advisor: G. C. Berry
		on solutions of rodlike poly(1,4-phenylene-2,6-benzobis	
1947	Dienes, G. J.	D.Sc.	Advisor: H. Seltz
1056		on of coupled pairs of vacancies in alkali halide crystals	
1956	Diethorn, W. S.	Ph.D.	Advisor: T. P. Kohman
200.4		system for natural radiocarbon measurements	A 1 ' D A A '
2004	Dilek, I.	Ph.D.	Advisor: B. A. Armitage
1052	Supramolecular Structures Invo	Ph.D.	Advisor D. I. Couthyviola
1933	Dimond, H. L. Certain reactions of iodomethyl		Advisor: P. L. Southwick
1060	Dobosh, P. A.	Ph.D.	Advisor: J. A. Pople
1707		with intermediate neglect of differential overlap (Indo)	
	of isotropic hyperfine coupling		and its approach to the calculation
1961	Doepker, R. D.	Ph.D.	Advisor: G. J. Mains
	The photolysis of ketones in a fl		
1953	Donaruma, L. G.	Ph.D.	Advisor: P. L. Southwick
		etone. A pyrolysis product of a-phenylcinnamoyl chloric	
1977	Doraiswamy, K. C.	Ph.D.	Advisor: R. B. Carlin
	Some ring opening reactions of	bicyclopropyl and related compounds	
1975	Driska, S. P.	Ph.D.	Advisor: D. J. Hartshorne
	Calcium control of smooth muse	ele contractile proteins	
1990	Duchowski, J. K.	Ph.D.	Advisor: D. F. Bocian
		ide porphyrin sandwich compounds: effects of strong [p	
1957	Duffek, E. F.	Ph.D.	Advisor: P. E. Snyder
	An equilibrium study of the syst		
1972	Dufresne, R. F.	Ph.D.	Advisor: P. L. Southwick
10.40		vlhydrazino)-3-pyrroline derivatives: a study of the Fisch	
1942	Dunkerley, F. J.	D.Sc.	Advisor: H. Seltz
1020		of tungstic oxide, tungsten carbide, titanium carbide, an	
1938	Eagle, S.	D.Sc.	Advisor: J. C. Warner
1057		l halides with bases in hydroxylic solvents	Advison E.D.D.
193/	Eberly, P. E.	Ph.D.	Advisor: F. D. Rossini
	petroleum	138 degrees Celcius fraction of petroleum: bicyclopara	itins in the gasonne traction of
1959	Ebner, H. G.	Ph.D.	Advisor: R. B. Carlin
1,0,	The state of the s	t in 2:1 sulfuric acid of 3, 5-Dibromo-3', 5'-Dimethylhyd	

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1957 Ehmann, W. D. Ph.D. Advisor: T. P. Kohman Cosmic-ray-induced radioactivities in meteorites and tektites 1986 Elliott (ne: Jones), S. A. Ph.D. Advisor: D. A. Tirrell Model copolymerization reactions: penultimate and complex-participation effects in radical addition to olefins 1960 Ely, W. T. Advisor: P. L. Southwick Ph.D. The synthesis of compounds related to vasicine 1967 Emrich, W. O. Advisor: P. L. Southwick Ph.D. Selective reduction of polyfunctional pyrrolidine dervatives 1978 Epstein, J. Ph.D. Advisor: R. F. Stewart Model studies for the analysis of scattered intensities from X-ray and high energy electron diffraction 1996 Ewbank, P. C. Ph.D. Advisor: R. D. McCullough Synthesis of regionegular thiophene oligomers and polymers with amino and carboxylic acid substituents, protection of 3-(aminomethyl)thiophene by a novel, reversible thienopyrrole synthesis, and ionochromism in 2,5-poly(thiophene-3-propionic 1978 Farrell, M. O. Ph.D. Advisor: L. J. Boucher Preparation, charaterization and catalytic activity of some organometallic rhodium(I) catalysts supported on polyorganosiloxane polymers 1984 Feilchenfeld, N. B. Ph.D. Advisor: W. H. Waddell Pulsed-laser and cryogenic spectroscopic investigations on intermediates formed in the photo-initiated autocatalytic chain decomposition (PACD) reaction of phenyl azide and phenyl isocyanate Ph.D. Advisor: C. H. V. Dyke The synthesis and study of some selected organosilyl fluorides, fluorosilyl isocyanates, and mixed silyl germyl chalcogen compounds 1988 Findsen, L. A. Ph.D. Advisor: R. R. Birge Molecular orbital studies of biological molecules 1967 Fink, T. E. Ph.D. Advisor: P. L. Southwick Diazepine derivatives from flavones and chromones Advisor: G. J. Mains 1963 Fischer, L. C. Ph.D. The flash photolysis of diethyl ketone and diethyl mercury 1948 Fisher, E. E. D.Sc. Advisor: R. B. Carlin Studies on the Fischer indole synthesis 1965 Fitzgerald, B. M. Ph.D. Advisor: P. L. Southwick Ketones and enols in the pyrrolidine series: Studies of the selectivity and stereochemistry of hydride reductions 1966 Fitzgerald, J. A. Advisor: P. L. Southwick Ph.D. The synthesis of compunds in the pyrrolo (3,4-d) pyrimidine and pyrrolo (3,4-g) pteridine series: synthetic studies leading to a 4-nitro-2, 3-dioxpyrrolidine 1952 Foltz, G. E. D.Sc. Advisor: R. B. Carlin The rearrangements of 3,3'-Dibromo-5, 5'-dimethyl-hydrazobenzene 1991 Foresman, J. B. Ph.D. Advisor: J. A. Pople Ab initio molecular orbital theory for excited states Advisor: R. B. Carlin 1948 Forshey, W. O. D.Sc. The rearrangements of three 3,3', 5, 5'-tetra-substituted hydrazobenzenes 1962 Forstner, J. A. Ph.D. Advisor: R. R. Holmes Synthetic and structural studies in phosphorus-nitrogen chemistry: the reation sequence from phosphorus trihalides to analogues of phosphorus pentoxide 1995 Fossum, E. A. Ph.D. Advisor: K. Matyjaszewski Ring opening polymerization of cyclotetrasilanes: A versatile route to polysilylenes 1943 Friedel, R. A. Advisor: D. S. McKinney D.Sc. The infra-red absorption spectrum of liquid and gaseous morpholine 1983 Frisch, M. J. Ph.D. Advisor: J. A. Pople Studies of chemical reactions using moller-plesset theory 1973 Frishberg, M. D. Advisor: P. L. Southwick Ph.D. Synthesis of folic acid analogues in the pyrrolo [3, 4-g] pteridine series

1961 Gallagher, W. P. Ph.D. Advisor: R. R. Holmes
A study of the phosphorus pentachlorofluorides

Dilute solution characterization of rodlike poly [1, 4-phenylene benzobisthiazole] (PBT) and articulated copolymers of PBT

Ph.D.

and poly [1,4-phenylene benzobisoxazole] (PBO)

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1987 Furukawa, R. H.

Advisor: G. C. Berry

1984	Gayathri, C.	Ph.D.	Advisor: A. A. Bothner-By
1007		high fields NMR of isotropic solutions	A 1
1997	Gaynor, S. G.	Ph.D.	Advisor: K. Matyjaszewski
1051	Gebhardt, J. J.	olymers by atom transfer radical polymerization D.Sc.	Advisor: D. S. McKinney
1931	, , , , , , , , , , , , , , , , , , ,	l and HBr in SnCl4, Cl4, CS2, and CHCl3	Advisor. D. S. McKilliey
1968	Gedansky, L. M.	Ph.D.	Advisor: L. G. Hepler
1700	Thermodynamic considerations	TH.D.	ravisor. L. G. Hepler
2002	Gehrmann, M.	Ph.D.	Advisor: M. Llinás
00		arities Between FII and Kringle Domains	110,1501, 111, 2111
2004	Ghosh, A.	Ph.D.	Advisor: T. J. Collins
	Design, Synthesis and Mechanis	stic Studies of Iron-TAML Catalytic Activators of Hydr	ogen Peroxide and a New Activation
	Chemistry of Dioxygen by Iron		
1968	Gibbon, G. A.	Ph.D.	Advisor: C. H. V. Dyke
1040		w germanuim hydride derivatives	Al: DOME
1949	Gibian, T. G.	D.Sc.	Advisor: D. S. McKinney
1065	_	constants of chloroform and trichlorosilane	Advison C I Mains
1903	Glover, A. D.	Ph.D.	Advisor: G. J. Mains
1082	Go, C. L.	cycloaddition reactions of conjugated steroid dienones Ph.D.	Advisor: W. H. Waddell
1902		on of phenyl azide and its derivatives: evidence for a char	
1966	Goel, O. P.	Ph.D.	Advisor: R. B. Carlin
1700	· · · · · · · · · · · · · · · · · · ·	ation during the Fischer indole synthesis	Advisor. R. B. Carini
1962	Goel, P. S.	Ph.D.	Advisor: T. P. Kohman
1702	Cosmogenic carbon-14 and chlo		710 (1801). 1.1.1 (1801). Hull
1968	Goldberg, R. N.	Ph.D.	Advisor: L. G. Hepler
	Thermodynamic investigations		1
2003	Golombek, A.	Ph.D.	Advisor: M. P. Hendrich
	EPR and Mössbauer Studies of	Manganese and Iron Small Molecule Model Complexes	and Proteins
1967	Gordon, M. S.	Ph.D.	Advisor: J. A. Pople
		elecular orbital theory to organic molelcules	
1995	Gordon-Wylie, S. W.	Ph.D.	Advisor: T. J. Collins
		alt complexes of oxidatively robust n and o donor ligand	
1956	Greenshields, J.	Ph.D.	Advisor: F. D. Rossini
1057		ies of hydrcarbons and related compounds	Al' IDE '
1957	Greifer, B.	Ph.D.	Advisor: J. P. Fugassi
1007	Vacuum pyrolysis of bituminou Greszta, D.	s coal Ph.D.	Advison V Motviogravski
1997	*	PII.D. blymers via atom transfer radical polymerization	Advisor: K. Matyjaszewski
1997	Grimm, R. A.	Ph.D.	Advisor: S. W. Staley
1///		tetraenes and bridged dicyclooctatetraenyl dianions	Advisor. S. W. Staley
2001	Grishaev, A.	Ph.D.	Advisor: M. Llinás
_001	*	otocol for Protein Structure Elucidation via NMR Protor	
1953	Gronholz, L. F.	Ph.D.	Advisor: J. P. Fugassi
	The thermal decompositon of te	rtiary amyl acetate	
2004	Gu, Z.	Ph.D.	Advisor: G. D. Patterson
	Nano-Scale Structures of Supra	molecules: From Fractal Bio-Microgels to Micellar Agg	regates
2002	Gupta, S. S.	Ph.D.	Advisor: T. J. Collins
		ogen Peroxide: Synthesis, Characterization and Enviror	
1966	Gusik, F. F.	Ph.D.	Advisor: A. K. Colter
		ansfer complexes: synthesis and acetolysis of some poly	nitrofluorenyl and
1077	polynitrobenzhydryl P- toluenes		Advison C C Do
19//	Hager, B. L.	Ph.D. oderately concentrated polymer solutions: a study of po	Advisor: G. C. Berry
	viscometry and light scattering	oderatery concentrated porymer solutions: a study of po	Tystyrene in several sorvellis by
2002	Hangun, Y.	Ph.D.	Advisor: T. J. Collins
		activators of Hydrogen Peroxide Promising Rapid Effici	
	Bleaching Technologies		

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1953 Larson, G. Ph.D. Advisor: R. B. Carlin

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1972 Lathan, W. A. Ph.D. Advisor: J. A. Pople

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1958 Laufer, R. J. Ph.D. Advisor: R. B. Carlin

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1982 Lecomte, J. Ph.D. Advisor: M. Llinás

Magnetic resonance studies of crambin and homologous thionins and toxins

1991 Lee, J. M. Ph.D. Advisor: A. A. Bothner-By

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1980 Lee, K.-S. Ph.D. Advisor: R. L. Kay

A radio-frequency moving-boundary detector and its application

1964 Lee, S. K. Ph.D. Advisor: P. L. Southwick

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1966 Lewis, D. Ph.D. Advisor: G. J. Mains

The photolysis of methyl iodide

1998 Li, F. Ph.D. Advisor: J. S. Lindsey

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1991 Lin, C.-h. Ph.D. Advisor: K. Matyjaszewski

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1991 Lisicki, M. Ph.D. Advisor: A. A. Bothner-By

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1975 Liu, S.-c. Ph.D. Advisor: C. R. Worthington

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1971 Lloyd, R. V. Ph.D. Advisor: D. E. Wood

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1999 Locknar, S. Ph.D. Advisor: L. A. Peteanu

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2000 Loewe, R. S. Ph.D. Advisor: R. D. McCullough

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Advisor: D. S. McKinney

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Compounds in the Pyrrolo [3, 4-b] indole series

2001 Paik, H.-J. Ph.D. Advisor: K. Matyjaszewski

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1986 Park, J. O. Ph.D. Advisor: G. C. Berry

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1963 Parker, D. H. Ph.D. Advisor: R. B. Carlin
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Pseudoindolone-4 and some reactions of 2-Phenacyl-2-methylcyclohexan-1, 3-Dione

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1989 Parker, W. E. Ph.D. Advisor: M. Kaplan Mechanisms for light charged particle production in the reactions 905 and 1030 MeV (superscript 121)Sb+(superscript 27)Al and 550 and 750 MeV (superscript 86)Kr+(superscript 63)Cu

1956 Parks, J. M. Ph.D. Advisor: R. G. Parr

A quantum mechanical study of the formaldehyde molecule

2002 Pasquinelli, M. Advisor: D. Yaron Ph.D. An Effective Particle Approach to the Photophysics of Conjugated Polymers 1965 Patel, J. C. Ph.D. Advisor: F. O. Ellison Application of diatomics-in-molecules theory to three and four atom systems 1958 Peffer, J. R. Ph.D. Advisor: R. B. Carlin The acid-catalyzed transformations of 4-bromohydrazobenzene 1958 Peterson, D. B. Advisor: G. J. Mains Ph.D. The photolysis of acetone in some fluorinated solvents 1999 Peterson, M. L. Ph.D. Advisor: S. W. Staley 1. Molecular Structure, Electronic Properties and Crystal Packing of 6-Arylfulvenes; 2. Charger Transfer in Biphenyl Bridged Dicyclooctatetraenes 1984 Peterson, M. W. Ph.D. Advisor: R. M. Richman Photochemical and photothermal studies of bis(dibenzovlmethanato) -dioxomolybdenum, bis (diethyldithiocarbsmato) doxomolybdenum,u-oxo-bis ((tetraphenylpophinato) iron (III)) and u-oxo-bis ((tetra (4-carboxy) phenylporphinato) iron (III)1987 Petros, A. M. Ph.D. Advisor: M. Llinás Proton magnetic resonance studies on the kringle 4 fragment from plasminogen Advisor: F. O. Ellison 1965 Pfieffer, G. V. Ph.D. A diatomics-in-molecules study of the configurations and vibrations of some polyatomic systems 2003 Pierce, B. Advisor: M. P. Hendrich The Use of Quantitative EPR Techniques to Observe Active Site Assembly Within the Small Subunit of Ribonucleotide Reductase 1969 Pietrzak, T. Ph.D. Advisor: D. E. Wood Electron spin resonance studies 1954 Pignocco, A. J. Advisor: F. D. Rossini Ph.D. Fractionation by distillation at very low pressures 2001 Pilston, R. Ph.D. Advisor: R. D. McCullough Synthesis and Characterization of Novel Regioregular Polythiophenes, Random Copolymers of Thiophene and Studies of the GRIM Polymerization Method for the Synthesis of Polythiophenes 2002 Pintauer, T. Ph.D. Advisor: K. Matyjaszewski Structural and mechanistic aspects of copper catalyzed atom transfer radical processes Advisor: G. J. Mains 1962 Pirog, J. A. Ph.D. The mercury sensitized photolysis and radiolysis of ethane 1976 Poo, W.-J. H. Advisor: D. J. Hartshorne Ph.D. Studies on the control mechanism of skeletal muscle: relative movement between actin and tropomyosin 1979 Poper, J. A. Ph.D. Advisor: J. A. Pople Moller-Plesset electron correlation studies of atoms and small molecules 2000 Popescu, V.-C. Advisor: E. Münck Ph.D. Mossbauer and EPR studies of the hydrogen-cluster of the iron-hydrogenases from C. pasteurianum and of synthetic complexes designed to model the iron sites of the [(2)iron](H)-subcluster and Mossbauer studies of the transcription factor FNR of Escherichia coli Advisor: D. S. McKinney 1949 Pozefsky, A. D.Sc. The infrared spectra of ethylene halohydrins 1987 Prementine, G. S. Advisor: D. A. Tirrell Ph.D. Model copolymer reactions 2000 Premvardhan, L. L. Ph.D. Advisor: L. A. Peteanu Electrostatic properties of charge-transfer systems 1971 Pribadi, K. S. Advisor: R. L. Kay Ph.D. Ionic mobilities at high pressures 1992 Procyk, A. D. Ph.D. Advisor: D. F. Bocian Spectroscopic analyses of hydroporphyrin [sic] model complexes 1949 Pursglove, L. A. Advisor: P. L. Southwick D.Sc. Certain reactions of 1, 4-diphenyl-1-bromo-3-butene-2-one 2002 Pyunn, D.-C. J. Ph.D. Advisor: K. Matyjaszewski Synthesis of Nanostructured Organic/Inorganic Hybrid Materials Using Controlled/Living Radical Polymerization 2000 Oiu, J. Ph.D. Advisor: K. Matyjaszewski Atom transfer radical polymerization in aqueous dispersed media 1980 Raghavachari, K. Ph.D. Advisor: J. A. Pople

Electron correlation theories and their application to the study of carbocations 1972 Ramarao, M. Ph.D. Advisor: A. A. Bothner-By Study of rotational isomerism in acylic ketones by proton magnetic resonance spectroscopy 1989 Ramaswami, V. Ph.D. Advisor: D. A. Tirrell A photolabeling technique for the study of polymer-cell surface interactions Advisor: C. H. V. Dyke 1985 Ramprasad, D. Ph.D. A study of the reactions of organosilicon-substituted alcohols and amines with cationic platinum (II) carbonyl complexes 1997 Randolph, J. B. Ph.D. Advisor: A. Waggoner Design and optimization of multiply-labeled fluorescent DNA probes Ph.D. 1968 Ray, G. J. Advisor: R. J. Kurland Carbon-13 nuclear magnetic resonance spectroscopy of triarylcarbonium ions and triarylcarbinols 1950 Reif, A. E. D.Sc. Advisor: J. P. Fugassi The mechanism of the carbon monoxide-carbon reaction Advisor: A. K. Colter 1968 Reith, R. A. Ph.D. The stereochemistry of 1, 3-hydride shifts in bicyclic systems 1992 Rejante, M. R. Ph.D. Advisor: M. Llinás Proton NMR studies on the structure and ligand-binding properties of human plasminogen kringles 1 and 4 1992 Replogle, E. S. Ph.D. Advisor: A. J. A. P. S. W. Staley The development and application of electron correlation methods 1963 Reuland, D. J. Ph.D. Advisor: A. A. Caretto Jr. A 2π - differential recoil study of the Cu65 (p,pn) Cu64 reaction at incident proton energies of 396 MeV and 130 MeV 1957 Rightmire, R. A. Ph.D. Advisor: T. P. Kohman Long-lived aluminum-26 1957 Rockenfeller, J. D. Ph.D. Advisor: F. D. Rossini The thermochemistry of selected monoolefin hydrocarbons 1975 Rohm, B. J. Advisor: L. J. Boucher The base hydrolysis of some manganese porphyrin complexes Advisor: B. J. Mair 1967 Ronan, Z. Ph.D. Composition of the branched paraffin-cyclo-paraffin portion of petroleum, 140' to 180' D 1953 Rothman, A. B. Advisor: P. E. Snyder Ph.D. An equilibrium study of the system ZnO-CO2-H2O 1942 Rudy, C. E. Advisor: J. P. Fugassi D.Sc. A kinetic study of the thermal decomposition of t-butyle acetate 1992 Ruehl, K. E. Ph.D. Advisor: K. Matyjaszewski Synthesis and characterization of functionalized oligo- and polysilanes 1950 Russin, N. C. Advisor: J. P. Fugassi D.Sc. Vapor-liquid equilibrium in n-heptane-n-propyl alcohol mixtures 1949 Sadler, M. S. D.Sc. Advisor: J. P. Fugassi A kinetic study of the semicarbazone formation of some substituted benzophenones Advisor: P. L. Southwick 1952 Sapper, D. I. D.Sc. Reactions of 1-halogen derivatives of 3-bute-2-one 1964 Sarma, T. P. Ph.D. Advisor: T. P. Kohman Dating of marine sediments by ionium and protactinium methods 1959 Saturno, A. F. Ph.D. Advisor: R. G. Parr A one-center wave function for the methane molecule Advisor: G. D. Patterson 2002 Savin, D. Ph.D. Rayleigh-Brillouin and Photon Correlation Spectroscopy of Poly (n-hexyl methacrylate) Near the Glass Transition, and Light Scattering and Thermal Characterization of Hybrid Nanoparticles 1943 Schaffel, G. S. Advisor: G. Stempel D.Sc. A comparative study of the kinetics and mechanisms of fortmation of the phenylhydrazone semicarbazone, and oxime of dcarvone 1968 Schall, R. F., Jr. Advisor: A. A. Caretto Jr. Ph.D. Simple nuclear reactions on the separated isotopes of tellurium at 300 MeV 1965 Schuster, I. I. Ph.D. Advisor: A. K. Colter

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A kinetic investigation of the thermal dissociation of molecular hydrogen in a shock tube using a technique of Lyman-alpha

Advisor: J. V. Michael

Studies related to conformations of triarylcarbonium ions

Ph.D.

1974 Schwab, T. C.

photometric detection

1977 Seamon, K. Ph.D. Advisor: A. A. Bothner-By Magnetic resonance studies on calcium binding protein 1966 Segal, G. A. Ph.D. Advisor: J. A. Pople Approximate self-consistant molecular orbital theory 1948 Seivard, L. L. Advisor: P. L. Southwick D.Sc. The ring-closure of N-alkoxalyl-beta-anilinopropionic acids 1954 Selig, H. Ph.D. Advisor: T. P. Kohman Search for long-lived Beta Radioactivities 1961 Shaub, H. Ph.D. Advisor: R. B. Carlin The structure of the basic reaction product from the Fischer indole reaction of N, N'-Dimethyl-2, 5-Xylyhydrazine and dibenzylketone 1979 Shiba, C. F. Ph.D. Advisor: W. H. Waddell Synthesis and photochemistry of some platinum (II)-alkoxycarbonyl complexes Advisor: L. J. Boucher 1975 Shields, G. D. Ph.D. Coordination chemistry of anchored silica compounds 1984 Shih, J.-S. Advisor: D. A. Tirrell Ph.D. Synthesis of new reactive polyethers and polysulfides Advisor: P. L. Southwick 1957 Shozda, R. J. Ph.D. Stereochemical aspects of conjugate addition reactions 1989 Shukla, R. B. Ph.D. Advisor: A. A. Bothner-By Isolation and characterization of locked spin states 1993 Siesel, D. A. Ph.D. Advisor: S. W. Staley Synthesis and dynamic NMR studies of bridged dicyclooctatetraenes and alkynylcyclooctatetraenes 1961 Sigal, P. Ph.D. Advisor: J. P. Fugassi The catalytic polymerization of nitrobenzene 1974 Singh, R. K. Advisor: P. K. McCurry Ph.D. Part I. Total synthesis of -Vetivone and Spiro-sesquiterpenoids via novel spiroannelation reactions. Part II. Re-examination of 2, 5-Diketon cyclization and synthesis of Cis-Jasmone and its analongs via the Retroadol-Aldol pathway 1966 Siyaramakrishnan, P. Advisor: R. B. Carlin I. The Fischer reactions of cyclohexanone 2, 6-diethyl and 2, 6-diethyl-4-methylphenylhydrazones. II. The dientone-phenol rearrangement as a device for studying migratory aptitudes 1987 Skoglund, C. M. Ph.D. Advisor: A. A. Bothner-By Molecular orietation studies using high field NMR 1985 Smith, D. A. Ph.D. Advisor: A. K. N. H. K. Sakan Studies on the intramolecular diels-alder reaction of internally activated trienes Advisor: C. L. Brooks 1991 Sneddon, S. F. Ph.D. Modelling electron transfer in peptides and proteins 1964 Snow, A. M., Jr. Ph.D. Advisor: R. B. Carlin Evidence of 1, 4-methyl migration during the Fischer reaction of cyclohexanone 4-ethyl-2, 6-xylylhydrazone 1969 Snyder, C. A. Advisor: P. L. Southwick Ph.D. Compounds in the pyrrolo [3, 4-d] pyrimidine series and compounds in the dipyrrolo [3, 4-b: 3', 4'e] pyrimidine series 1959 Snyder, L. C. Ph.D. Advisor: R. G. Parr Three studies in quantum chemistry 1944 Snyder, P. E. D.Sc. Advisor: H. Seltz Heat formation of aluminum oxide 1958 Solomon, J. A. Ph.D. Advisor: J. P. Fugassi Pyrolysis of coal under high vacuum 1972 Soylemez, T. Ph.D. Advisor: R. H. Schuler The radiation chemistry of aqueous solutions of aliphatic hydrocarbons 1987 Spencer, C. P. Ph.D. Advisor: G. C. Berry Anisotropic phase polymerization kinetics rodlike polymer poly[benzo(1,2-d:4,5-d')bisthiazole-2, 6-diyl)-1,4-phenylene] 1972 Srinivasan, K. R. Advisor: R. L. Kay Ph.D. The pressure dependence of the dielectric constant of polar liquids 1990 Srinivasarao, M. Ph.D. Advisor: G. C. Berry Rheo-optical studies on a polymer liquid crystal under the influence of flow or magnetic fields 1969 Stalker, A. C. Advisor: A. A. Caretto Jr.

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A recoil study of (p, n) and (p, 2n) reactions for proton bombarding energies of 100 to 400 MeV

1954 Stansfield, R. E. Ph.D. Advisor: P. L. Southwick The formation of acetyl N, N'-Diaryldipeptides by the acetylation of N-Arylglycines.:n Part II,:p a study of the structure of Phenylcinnamolone, a compo 1953 Staskiewicz, B. A. Ph.D. Advisor: P. E. Snyder The heat of formation of molybdenum trioxide. The high temperature thermodynamic properties of titanium 1959 Stemniski, J. R. Advisor: P. L. Southwick Ph.D. The stereochemistry of addition of amines to nitroolefins 1942 Stevens, J. E. Advisor: J. C. Warner D.Sc. Reaction between ethylene chlorhydrin and hydroxyl ion in mixed solvents: mediam effect and mechanism 1988 Stoll, F. P., Jr. Ph.D. Advisor: P. J. Karol Positronium interactions with isolated species in the vapor phase 1936 Strickler, H. S. D.Sc. Advisor: H. Seltz A thermodynamic study of the lead - bismuth 1992 Strnad, J. T. Ph.D. Advisor: S. W. Staley Structural and electronic effects on the spectroscopy of [pi]-electron systems: 1. Electron transmission spectroscopy; 2. Nuclear magnetic resonance spectroscopy 1970 Sullivan, D. S., III Advisor: P. L. Southwick Reactions in angularly substituted pyrrolo [3, 4-b] indoles 1990 Sullivan, V. J. Ph.D. Advisor: G. C. Berry Rheology, phase behavior and dilute solution properties of blends of the rodlike poly(p-phenylene benzobisoxazole) and flexible chain poly(2, 5-benzoxazole) in sulfonic acid solvents 1956 Sung, W.-1. Advisor: R. B. Carlin Ph.D. The transformations of 3, 3'-dichloro-5, 5'-dimethylhydrazobenzene in 2:1 sulfuric acid 1935 Svirbely, W. J. Advisor: J. C. Warner D.Sc. Electric moments of BF3, d-Pinene, and d-Limonene 1952 Swakon, E. A. D.Sc. Advisor: R. B. Carlin The reactions of 2, 6-dibromo-4-nitroiodobenzene with copper Advisor: D. A. Tirrell 1984 Takigawa, D. Y. Ph.D. Physical studies of polymer-phospholipid mixtures 1952 Taylor, G. R. Advisor: R. G. Parr D.Sc. Studies in molecular quantum mechanics 1987 Thewes, T. Ph.D. Advisor: M. Llinás Purification and initial <1>H-NMR investigations of a unique Kringle 5 domain 1975 Thomas, T. J. Advisor: R. B. Carlin I. The Fischer indole reaction of cyclohexanone 2, 6-dimethylphenyl-hydraxone. II. The low temperature ozonolysis of 2, 8dimethyl-7-phenyl-6-azabicyclo (3.2.1.) octa-2, 6-diene-8-carboxylic acid and its esters 1966 Tiernan, T. O. Advisor: G. J. Mains Ph.D. Part I. Radiation chemistry of monosilane. Part II. Mass spectrometric investigations oif ion-molecule reactions in monosilane Advisor: J. P. Fugassi 1969 Tirman, A. Ph.D. The rate of anodic polarization of iron and iron alloys Advisor: C. L. Brooks 1991 Tobias, D. J. Ph.D. The formation and stability of protein folding initiation structures Advisor: P. J. Karol 1986 Tobin, M. J. Ph.D. Intermediate energy sallation studies by activation techniques 1947 Toensing, C. H. D.Sc. Advisor: D. S. McKinney Thermodynamic studies on autenitic solid solutions: activity of carbon as a function of composition and temperature in iron and nickel steels 2004 Tomlinson, A. Ph.D. Advisor: D. Yaron Modeling the Photophysics of Biological Dye Assemblies 1956 Trammell, M. R. Ph.D. Advisor: J. P. Fugassi The adsorption of organic vapors on coal 1963 Trevtl. W. J. Advisor: A. A. Caretto Jr. Ph.D. A systematic study of (p, n) reactions in the 100-400 men region 1983 Tsai, H.-H. Ph.D. Advisor: G. C. Berry Phase equilibrium and rheological studies of solutions of rodlike, articulated polymers and their mixtures 1970 Tuazon, E. C. Advisor: W. G. Fateley Ph.D. Vibrational studies Advisor: D. L. Weaver 1970 Tuggle, R. M. Ph.D.

4 June 2002

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Rheological and rheo-optical studies on nematic solutions of a rodlike polymer: Poly(1,4-phenylene-2, 6-

benzobisthiazole)PBZT)

1969 Viswanathan, N. Ph.D. A study of some new silicon, germanium and tin derivatives

1950 Vogel, K. H. D.Sc. Advisor: J. C. Warner Kinetics of ester hydrolysis

Advisor: C. H. V. Dyke

2000 Vuocolo, L. D. Ph.D. Advisor: T. J. Collins The preparation of iron complexes as green catalytic oxidant activators of hydrogen peroxide

1961 Wagner, R. P. Advisor: R. R. Holmes Ph.D. Part I. Acid properties of triply connected phosphorus; Part II. Reactions of dimethylaminomethylphosphines with boron

trihalides and trialkyls Advisor: J. S. Lindsey 1990 Wagner, R. W. Ph.D.

Synthetic strategies for the preparation of new porphyrin architectures

1967 Walker, D. M. Ph.D. Advisor: P. L. Southwick Reactive intermediates in the Fischer indole synthesis

1950 Wallace, J. G. D.Sc. Advisor: R. B. Carlin II. Studies on the Fischer indole synthesis: the migrations of atoms of positive halogen under conditions of the Fischer synthesis

1953 Walsh, W. L. Advisor: P. L. Southwick Ph.D. The reaction of polyglycollic acids with naphthalene - a synthesis of a-naphthaleneacetic acid; the addition off an nbromoamine to an a, B-unsaturated ketone; the reaction of N-bromomorpholine with benzalacetophenone

Advisor: C. H. V. Dyke 1968 Wang, J. T. Ph.D. Synthesis and study of some new silicon and germanium hydride derivatives

2002 Wang, M. Ph.D. Advisor: B. A. Armitage Interactions of Cyanine Dyes with DNA or PNA Duplexes: Formation of Supramolecular Structures

1961 Wang, S. S.-N. Ph.D. Advisor: A. K. Colter Charge transfer complexes in solvolysis; Synthesis and acetolysis of 2, 4, 7-trinitro-9-fluorenyl p-toluenesulfonate

1943 Warrick, E. L. D.Sc. Advisor: J. P. Fugassi

The kinetics of the thermal decomposition of tertiary butyl propionate 1972 Watt, C. I. F. Ph.D. Advisor: W. L. Mock

The synthesis of some intermediates directed toward the preparation of pentacyclo [5.3.2.0(superscript 4, 11).0(superscript 10,8)] dodecatriene

1967 Weber, L. Ph.D. Advisor: J. P. Fugassi

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	The sorption of polar vapors by	polynuclear aromatic quinones and nydrocarbons	
1986	Wei, C. CH.	Ph.D.	Advisor: G. C. Berry
2001	Study of dilute solution properti Weibel, J.	es of rod and rodlike polymers Ph.D.	Advisor: D. Yaror
	New Methodologies for Electro	nic Structure Calculations on Organic Materials	
1968	Welsh, D. A. The chemistry of a 4-nitro-2, 3-	Ph.D.	Advisor: P. L. Southwick
1055		Ph.D.	Advisor I D Fugges
1933	Weschler, M. C.		Advisor: J. P. Fugass
1000	The kinetics of hydrolysis of be		A 1 ' XXY XX XXY 11 1
1980	West, J. L.	Ph.D.	Advisor: W. H. Waddel
	_	ation on the photochemistry of retinal	
1961	Whelan, W. J.	Ph.D.	Advisor: R. B. Carlir
	The homogeneous aqueous solu	tion kinetics of the benzidine rearrangement	
1994	White, M. L.	Ph.D.	Advisor: K. Matyjaszewsk
	The synthesis and characterizati	on of polyphosphazene copolymers	53
1981	Whiteside, R. A.	Ph.D.	Advisor: J. A. Pople
1701	Smal homonuclear clusters of b		7 ta visor. 3. 71. 1 opi
1052			A 11 D. D. C11-
1933	Wich, G. S.	Ph.D.	Advisor: R. B. Carlin
		le catalyzed rearrangements of oHydrazoanisole and p	
2000	Willard, B. B.	Ph.D.	Advisor: S. T. Grau
	Experimental and theoretical in	vestigations of the metastable dissociations of organosil	icon ions
1971	Williams, L. F.	Ph.D.	Advisor: A. A. Bothner-By
	,	dies of nematic phase solutions of hexafluorobenzene 3	
1072	Williams, R. A.	Ph.D.	Advisor: A. A. Caretto Jr
1712			
2000		mechanisms in the reaction of heavy ions with medium-	
2000	Williams, S. A.	Ph.D.	Advisor: T. J. Collins
		reactivity of high-valent copper complexes of macrocyc	
1996	Williams, S. P.	Ph.D.	Advisor: R. D. McCullough
		regioregular poly(2-substituted thiophenes) with polye	
		enes), and efforts toward the synthesis of well-defined p	oolyPyrrole) derivatives
1961	Wilmot, W. H.	Ph.D.	Advisor: J. P. Fugass
		clear compounds with polar functionalitites	
1976	Wilson, E. J.	Ph.D.	Advisor: M. Kaplar
1770	The state of the s	udies of chemically generated electric quadrupole intrac	
1065			
1903	Wilson, N. K.	Ph.D.	Advisor: R. J. Kurland
	_	dies o intramolecular hydrogen bonding	
1951	Wilson, T. C.	D.Sc.	Advisor: J. P. Fugass
	A kinetic study of the formation	and decomposition of the dimer isopropenyl ketone	
1938	Winstrom, L. O.	D.Sc.	Advisor: J. C. Warner
		in the reaction of ethylene chlorohydrin with the hydro	
1964	Wise, W. B.	Ph.D.	Advisor: R. J. Kurland
1701		actra and barriers to internal rotation of 4-4'-disubstitute	
1050			
1930	Woodland, W. C.	D.Sc.	Advisor: J. C. Warner
1000	-	s methanol-water and 1, 4-dioxane water	
1992	Workman, J. M.	Ph.D.	Advisor: T. J. Collins
	Routes to multimetallic high ox	idation state transition metal complexes	
1966	Wu, AJ. A.	Ph.D.	Advisor: F. O. Ellisor
	Semiempirical studies of firstro	w diatomic hydrides, H2o2, and Ho2	
1963	Wu, C. CH.	Ph.D.	Advisor: L. G. Hepler
1703	Calorimetric investigations and		Advisor. E. G. Hepiel
1000	_		Advison V Motoriosmorrely
1999	Xia, J.	Ph.D.	Advisor: K. Matyjaszewsk
40= -		of New Catalysts in Atom Transfer Radical Polymeriza	
1976	Yates, M. A.	Ph.D.	Advisor: A. A. Caretto Jr
	A systematic study of proton- an	nd alpha-induced simple reactions	
1971	Yeh, CT.	Ph.D.	Advisor: J. V. Michae
	*	neasurements of the steady-state hydrogen atom concer	
	photosensitized decomposition		Ž

Ph.D. Advisor: P. L. Southwick 1969 Yevich, J. P. Synthesis of tryptamine analogs containing the opyrrolo [3, 4-b] indole and pyrrolo [3', 4':4, 5] pyrrols [3, 4-b] indole ring systems 1964 Yew, F. F.-H. Ph.D. Advisor: B. J. Mair Isolation and identification of C13 to C17 alktlnaphthalenes, alky; biphenyls and alkyldibenzofurans from the 275'to 305'C dinuclear aromatic 2000 Yoo, S. J. Ph.D. Advisor: E. Münck Spectroscopic studies of novel metal clusters in iron-sulfur proteins Advisor: D. S. McKinney 1946 Young, C. W. D.Sc. The infrared spectra of the tetramethyl compounds of group IVB elements 1996 Young, W. S. Ph.D. Advisor: C. L. Brooks Computational approaches to modeling simple protein folding events Advisor: A. Waggoner 1993 Yu, H. Ph.D. Development and application of cyanine dye-labeled DNA probes 1994 Yue, S. Advisor: G. C. Berry Ph.D. Light scattering studies of intermolecular interactions in polymer solutions Advisor: P. L. Southwick 1962 Zaczek, N. M. Ph.D. Reductions and a-Methylene reactions of 2, 3-dioxopyrrolidines 1976 Zemel, H. Advisor: R. W. Fessenden Ph.D. Electron spin resonance and pulse radiolysis studies of the mechanism and kinetics of SO4- reactions with aromatic compounds in aqueous solution 2002 Zhai, L. Ph.D. Advisor: R. D. McCullough Fabrication of Micro- and Nanostructures from Functionalized Regioregular Poly (3-alkylthiophenes) 1995 Zhu, Z. Ph.D. Advisor: A. Waggoner Study of fluorescent dns probes and optimal labeling methods 1990 Zimmerman, J. W. Ph.D. Advisor: B. Imperiali Investigation of the initial steps of asparagine-linked glycosylation 1982 Zussman, M. P. Ph.D. Advisor: D. A. Tirrell Poly (chloromethylthiirane)-poly (3-chlorothietane): an example of backbone assisted reactivity and dynamic isomerism in polymeric chloroalkyl sulfides 1964 Zwitkowits, P. M. Ph.D. Advisor: M. B. Rubin Photochemical reactions of 9, 10-phenanthrenequinone

Ordered by Advisor

1974	Beres, J. J.		Advisor: L. I	E. Alexander
2002	Crystal structure analysis of two Kushon, S.	o cyclic urethane oligomers Ph.D.	Advisor: B.	A Armitaga
2002		Study of the Binding of PNA Probes to DNA and RNA Hai		A. Allillage
2002	Wang, M.	Ph.D.	Advisor: B.	A. Armitage
2004		ith DNA or PNA Duplexes: Formation of Supramolecular S		
2004	Cao, R.	Ph.D. m Cyanine Dye-DNA Complexes to Recyclable Enzymes	Advisor: B.	A. Armitage
2004	Datta, B.	Ph.D.	Advisor: B.	A. Armitage
_00.	,	ag Guanine-Quartets and Hybrid Aptamers	ria visor. B.	. I. I IIIIIIuge
2004	Dilek, I.	Ph.D.	Advisor: B.	A. Armitage
40-0	Supramolecular Structures Invo			
1970	Ammons, V. G.	Ph.D.		G. C. Berry
1083	Burchfield, D.	meters and molecular characterization of polybisbenzimida: Ph.D.	-	G. C. Berry
1703	*	o-bis-(Pentaamineruthenium (III)) (4+) ion in aqueous solu		G. C. Berry
1989	Chen, Sj.	Ph.D.		G. C. Berry
	, J	oderately concentrated solutions of polystyrene in cyclohexa		
1979	Cotts, D. B.	Ph.D.		G. C. Berry
1004		odlike polymer poly-[benzo(1,2-D:5,4-D') bisoxazole-2,6-d		
1994	Diao, B.	Ph.D.		G. C. Berry
1027	Furukawa, R. H.	on solutions of rodlike poly(1,4-phenylene-2,6-benzobisthia Ph.D.		G. C. Berry
1707		of rodlike poly [1, 4-phenylene benzobisthiazole] (PBT) an		
	and poly [1,4-phenylene benzol		1	,
1977	Hager, B. L.	Ph.D.		G. C. Berry
	Intermolecular interactions in m viscometry and light scattering	oderately concentrated polymer solutions: a study of polyst	yrene in several so	lvents by
1988	Kim, C. S.	Ph.D.	Advisor:	G. C. Berry
	_	of rodlike and flexible chain polymers in isotropic solution		
1990	Liu, P. C.	Ph.D.	Advisor:	G. C. Berry
1005	Rheological studies on dispersion		A dryig om	C C Domin
1903	Meitz, D. W.	Ph.D. ties of a suspension of crosslinked polystyrene particles in a		G. C. Berry
	rheological investigation	ties of a suspension of crossinized porystyrene particles in a	porystyrene maid	anu a
1979	Metzger, P. C.	Ph.D.	Advisor:	G. C. Berry
		ostatic repulsions on solution properties of flexible and rodl		
1986	Park, J. O.	Ph.D.	Advisor:	G. C. Berry
1007		rene solutions in a good solvent and in a theta solvent Ph.D.	A division	C C Parry
1907	Spencer, C. P. Anisotropic phase polymerization	on kinetics rodlike polymer poly[benzo(1,2-d:4,5-d')bisthiaz		G. C. Berry
1990	Srinivasarao, M.	Ph.D.		G. C. Berry
	· · · · · · · · · · · · · · · · · · ·	ner liquid crystal under the influence of flow or magnetic fie		5
1990	Sullivan, V. J.	Ph.D.	Advisor:	G. C. Berry
		illute solution properties of blends of the rodlike poly(p-phe	nylene benzobisox	azole) and
1083	flexible chain poly(2, 5-benzox; Tsai, HH.	Ph.D.	Advisor	G. C. Berry
1903		cal studies of solutions of rodlike, articulated polymers and		G. C. Berry
1981	Venkatraman, S. S.	Ph.D.		G. C. Berry
	Studies on the thermodynamic r	heological, and rheo-optical properties of a rigid-rod polym		,
1996	Vijaykumar, S.	Ph.D.		G. C. Berry
	Rheological and rheo-optical str benzobisthiazole)PBZT)	idies on nematic solutions of a rodlike polymer: Poly(1,4-pl	nenylene-2, 6-	
1986	Wei, C. CH.	Ph.D.	Advisor:	G. C. Berry
	Study of dilute solution properti		•	· · · <i>J</i>

1994 Yue, S.	Ph.D.	Advisor: G. C. Berry
Light scattering studies of inte 2004 Bui, H.	rmolecular interactions in polymer solutions Ph.D.	Advisor: G. C. Berry
_	ole Gels and Block Copolymer Melts	•
1988 Findsen, L. A. Molecular orbital studies of bi	Ph.D. ological molecules	Advisor: R. R. Birge
1988 Masthay, M. B.	Ph.D.	Advisor: R. R. Birge
	ton spectroscopic studies of conjuagated pi-systems	110.15011 10.10 2.1g
1985 Murray, L. P. Two-photon spectroscopy of b	Ph.D.	Advisor: R. R. Birge
1988 Atamian, M.	Ph.D.	Advisor: D. F. Bocian
	nts on the redox and spectroscopic properties of metallop	
1988 Boldt, N. J.	Ph.D.	Advisor: D. F. Bocian
· · · · · · · · · · · · · · · · · · ·	omolecular systems: I. Chlorophyll model compounds. Il	
centers	J - 1 J 1	1 3
1990 Duchowski, J. K.	Ph.D.	Advisor: D. F. Bocian
Spectroscopic studies of lantha	anide porphyrin sandwich compounds: effects of strong []	pi-pi] interaction
1994 Martin, P. C.	Ph.D.	Advisor: D. F. Bocian
Spectral characterization of ba	cterial reaction centers and related model compounds	
1992 Procyk, A. D.	Ph.D.	Advisor: D. F. Bocian
	roporphyrin [sic] model complexes	
1972 Balaram, P.	Ph.D.	Advisor: A. A. Bothner-By
	udy of the binding of lysine-vasopressin and peptide anal	
1981 Bose, K.	Ph.D.	Advisor: A. A. Bothner-By
Studies on the solution conform	-	
1981 Denys, L.	Ph.D.	Advisor: A. A. Bothner-By
	the conformational diversity of bradykinin at 600 MHz	
1984 Gayathri, C.	Ph.D.	Advisor: A. A. Bothner-By
	n high fields NMR of isotropic solutions	41. 4 A D 1 B
1976 Harina, B. M.	Ph.D.	Advisor: A. A. Bothner-By
	of a Hapten-antibody interaction	Advison A A Dothwan Dry
1971 Kostelnik, R. J.	Ph.D. ic resonance study of cadium (II): ligand binding in aque	Advisor: A. A. Bothner-By
1991 Lee, J. M.	Ph.D.	Advisor: A. A. Bothner-By
Transverse nuclear Overhause		Advisor. A. A. Doumer-by
1991 Lisicki, M.		Advisor: A. A. Bothner-By
Magnetic susceptibility studies		Advisor. A. A. Boumer-By
1972 Ramarao, M.	Ph.D.	Advisor: A. A. Bothner-By
	in acylic ketones by proton magnetic resonance spectrosc	
1977 Seamon, K.	Ph.D.	Advisor: A. A. Bothner-By
Magnetic resonance studies or		
1989 Shukla, R. B.	Ph.D.	Advisor: A. A. Bothner-By
Isolation and characterization	of locked spin states	3
1987 Skoglund, C. M.	Ph.D.	Advisor: A. A. Bothner-By
Molecular orietation studies us	sing high field NMR	•
1971 Williams, L. F.	Ph.D.	Advisor: A. A. Bothner-By
	udies of nematic phase solutions of hexafluorobenzene 3	
1972 Herrington, D. R.	Ph.D.	Advisor: L. J. Boucher
Stereochemistry of B-Diketon		Adama I I Danahan
1978 Meyers, M. C. S.	Ph.D.	Advisor: L. J. Boucher
1975 Rohm, B. J.	ction (PSI) in general chemistry at a small college Ph.D.	Advisor: L. J. Boucher
	rn.D. nanganese porphyrin complexes	Auvisoi. L. J. Doucilei
1975 Shields, G. D.	Ph.D.	Advisor: L. J. Boucher
Coordination chemistry of and		Advisor. L. J. Doueller
1976 Coe, C. G.	Ph.D.	Advisor: L. J. Boucher
22,70 000, 0. 0.		Ta. Isol. D. J. Bouellel

Synthesis and characterization of some manganese (III, and manganese (III, IV) Schiff base complexes 1978 Farrell, M. O. Ph.D. Advisor: L. J. Boucher Preparation, charaterization and catalytic activity of some organometallic rhodium(I) catalysts supported on polyorganosiloxane polymers 1989 Head-Gordon, T. L. Ph.D. Advisor: C. L. Brooks Macroscopic and microscopic simulation methods as applied to biological systems 1991 Sneddon, S. F. Advisor: C. L. Brooks Ph.D. Modelling electron transfer in peptides and proteins 1991 Tobias, D. J. Advisor: C. L. Brooks Ph.D. The formation and stability of protein folding initiation structures 1996 Young, W. S. Ph.D. Advisor: C. L. Brooks Computational approaches to modeling simple protein folding events Advisor: W. E. Brown 1984 Abrams, L. Ph.D. Some studies on the interaction of IgG and Clq Advisor: A. A. Caretto Jr. 1966 Church, L. B. Ph.D. A study of (p,xn) reactions Advisor: A. A. Caretto Jr. 1980 Clark, J. L. Ph.D. A radiochemical study of the medium energy pion double charge exchange reactions: [209Bi (Pi+, Pi- x n)^(209-x) At] 1967 Kiely, F. M. Advisor: A. A. Caretto Jr. Ph.D. Detailed study of some simple reactions on light-A nuclei 1972 Molecke, M. A. Advisor: A. A. Caretto Jr. Ph.D. A differential recoil and angular distribution study of several (p, pxn) and (p, xn) reactions of 133 Cs with 550 MeV protons 1961 Morrison, D. L. Ph.D. Advisor: A. A. Caretto Jr. A systematic study of (p, xp) reactions in the 100-400 mev region 1966 Nieckarz, W. J., Jr. Advisor: A. A. Caretto Jr. Ph.D. Proton induced reactions on the separated isotopes of cadmium from 70 to 400 mev 1963 Reuland, D. J. Advisor: A. A. Caretto Jr. A 2π - differential recoil study of the Cu65 (p,pn) Cu64 reaction at incident proton energies of 396 MeV and 130 MeV Advisor: A. A. Caretto Jr. 1968 Schall, R. F., Jr. Ph.D. Simple nuclear reactions on the separated isotopes of tellurium at 300 MeV Advisor: A. A. Caretto Jr. 1969 Stalker, A. C. Ph.D. A recoil study of (p, n) and (p, 2n) reactions for proton bombarding energies of 100 to 400 MeV 1963 Trevtl, W. J. Advisor: A. A. Caretto Jr. Ph.D. A systematic study of (p, n) reactions in the 100-400 men region 1973 Urbon, J. A. Ph.D. Advisor: A. A. Caretto Jr. A study of the reaction mechanisms involved in the formation of 24Na from 75As at high proton bombarding energies Advisor: A. A. Caretto Jr. 1972 Williams, R. A. Ph.D. Transfer vs. compound nuclear mechanisms in the reaction of heavy ions with medium-mass targets 1976 Yates, M. A. Ph.D. Advisor: A. A. Caretto Jr. A systematic study of proton- and alpha-induced simple reactions Advisor: R. B. Carlin 1955 Amoros-Marin, L. Ph.D. A study of 2,4,6-triarylpyridines 1968 Bosch, H. W. Advisor: R. B. Carlin Ph.D. The structure of the bromination product of 2-phenyl-3a, 5-dimethyl 3a, 4, 7, 7a - tetrahydro pseudoindolone-4 and its derivatives 1957 Carlson, D. P. Ph.D. Advisor: R. B. Carlin A study of the mechanism of the Fischer Indole Reaction: the reactions of 2, 6-dimethylphenylhydrazones with zinc chloride 1977 Doraiswamy, K. C. Ph.D. Advisor: R. B. Carlin Some ring opening reactions of bicyclopropyl and related compounds 1959 Ebner, H. G. Ph.D. Advisor: R. B. Carlin The synthesis and rearrangement in 2:1 sulfuric acid of 3, 5-Dibromo-3', 5'-Dimethylhydrazobenzene 1948 Fisher, E. E. Advisor: R. B. Carlin D.Sc. Studies on the Fischer indole synthesis 1952 Foltz, G. E. D.Sc. Advisor: R. B. Carlin

43 4 June 2002

Advisor: R. B. Carlin

The rearrangements of 3,3'-Dibromo-5, 5'-dimethyl-hydrazobenzene

D.Sc. The rearrangements of three 3,3', 5, 5'-tetra-substituted hydrazobenzenes

1948 Forshey, W. O.

1966 Goel, O. P. Ph.D. Advisor: R. B. Carlin Medium effects on methyl migration during the Fischer indole synthesis 1962 Harrison, J. W. Ph.D. Advisor: R. B. Carlin Acetophenone mesitylhydrazone and cyclohexanone 2, 6-xylyhydrazone in the Fischer indole synthesis 1952 Heininger, S. A. Advisor: R. B. Carlin The synthesis and rearrangements of 3,3', 5, 5'-tetrafluorohydrazobenzene 1959 Heintzelman, W. J. Advisor: R. B. Carlin Ph.D. A study of a continuous Fischer indole synthesis and an investigation of the chemistry of 3a, 4, 7, 7a-Tetrahydro-2-Phenyl-3a, 5-Dimethyl (3H) Pseu doindolone-4 1954 Henley, W. O. Ph.D. Advisor: R. B. Carlin The preparation of some polymethylphenylhydrazones by the Japp-Klingemann reation and the Fischer indole reactions of ethyl pyruvate 2, 6-dimethylphenylhydraone 1961 Hirschberg, E. H. Advisor: R. B. Carlin Ph.D. Kinetics of the rearrangement of 2-chloro-2'-methylhydrazobenzene 1969 Hooper, J. B. Ph.D. Advisor: R. B. Carlin I. The reaction of benzaldehyde with indole in aqueous media. II. The base-induced rearrangements of 3-bromo-2-phenyl-3a, 5-dimethyl-3a, 4, 7, 7a-tetrahydro [3H] pseudoindoline-4 1964 Huffman, A. M. Advisor: R. B. Carlin Ph.D. Rearrangerment of 2, 2'-Polymethylene dioxyhydrazobenzenes 1949 Hufford, D. L. Advisor: R. B. Carlin D.Sc. The polymerization of p-chlorostyrene in the presence of polymethylacrylate 1955 Kealy, T. J. Ph.D. Advisor: R. B. Carlin The zinc and stannous halide promoted fischer reactions of acetophenone 2-Bromo-6-Chlorophenylhydrazone 1975 Keenan, M. J. Ph.D. Advisor: R. B. Carlin A study of alkyl migrations in dienone-phenol and analogous systems 1958 Krajewski, J. J. Ph.D. Advisor: R. B. Carlin The Ullmann reactons of four aryl polyhalides 1948 Landerl, H. P. D.Sc. Advisor: R. B. Carlin The dehydration of a series of methyl-substituted 1-phenyl-1-cyclohexanols 1953 Larson, G. Ph.D. Advisor: R. B. Carlin Halogen interchange during the zinc halide induced fischer indole reactions of acetophenone 2, 6-dihalophenylhydrazones 1958 Laufer, R. J. Ph.D. Advisor: R. B. Carlin A new synthesis of 1, 2-dimethylarylhydrazines and their reactions with ketones in the fischer and related reactions 1964 Magistro, A. J. Ph.D. Advisor: R. B. Carlin An N[superscript 15] tracer study of the Fischer reaction of acetophenone 2,6-xylylhydrazone: the Fischer indole reaction of a-tetralone 2 1954 Mason, J. H. Advisor: R. B. Carlin Ph.D. The kinetics of the behavior of cyclohexanone phenylhydrazone in 95% ethanolic hydrogen chloride Advisor: R. B. Carlin 1958 Moores, M. S. Ph.D. Evidence of 1, 4-methyl migration during the Fischer reaction of cyclohexanone mesitylhydrazone 1967 Nieckarz, A. F. Advisor: R. B. Carlin Ph.D. A study of trimethyl- and dimethylphenylhydrazones of two five-membered ring ketones in the Fischer reaction 1962 Nonemaker, L. F. Ph.D. Advisor: R. B. Carlin I. An investigation of hydrazone ene-hydrazine tautomerism. II. Some observations on the Diels-Reese reaction 1951 Odioso, R. C. D.Sc. Advisor: R. B. Carlin Kinetics of the rearrangements of hyrazobenzene, orthohydrazotoluene, and metahydrazotoluene 1963 Parker, D. H. Ph.D. Advisor: R. B. Carlin An investigation of synthetic methods directed toward the synthesis of 2-Phenyl-3a, 5-Dimethyl-3a, 4, 7, 7a-Tetrahydo [3H] Pseudoindolone-4 and some reactions of 2-Phenacyl-2-methylcyclohexan-1, 3-Dione 1958 Peffer, J. R. Ph.D. Advisor: R. B. Carlin The acid-catalyzed transformations of 4-bromohydrazobenzene 1961 Shaub, H. Ph.D. Advisor: R. B. Carlin The structure of the basic reaction product from the Fischer indole reaction of N, N'-Dimethyl-2, 5-Xylyhydrazine and dibenzylketone 1966 Sivaramakrishnan, P. Ph.D. Advisor: R. B. Carlin I. The Fischer reactions of cyclohexanone 2, 6-diethyl and 2, 6-diethyl-4-methylphenylhydrazones. II. The dientone-phenol rearrangement as a device for studying migratory aptitudes 1964 Snow, A. M., Jr. Ph.D. Advisor: R. B. Carlin

	Evidence of 1, 4-methyl migrati	ion during the Fischer reaction of cyclohexanone 4-ethyl-2, 6-xy	lylhydrazone		
1956	Sung, W1.	Ph.D.	Advisor:	R. B. 0	Carlin
	<i>C</i> ,	hloro-5, 5'-dimethylhydrazobenzene in 2:1 sulfuric acid			
1952	Swakon, E. A.	D.Sc.	Advisor:	R. B. 0	Carlin
	The reactions of 2, 6-dibromo-4	-nitroiodobenzene with copper			
1975	Thomas, T. J.	Ph.D.	Advisor:	R. B. 0	Carlin
	I. The Fischer indole reaction of	f cyclohexanone 2, 6-dimethylphenyl-hydraxone. II. The low ter	nperature ozo	nolysis of	2, 8-
		o (3.2.1.) octa-2, 6-diene-8-carboxylic acid and its esters			~
1950	Wallace, J. G.	D.Sc.	Advisor:		Carlin
		synthesis: the migrations of atoms of positive halogen under co	nditions of the	e Fischer	
1061	synthesis Wholen W. I	Ph.D.	Advisor:	D D (Corlin
1901	Whelan, W. J.	tion kinetics of the benzidine rearrangement	Advisor:	K. D. (_ariiii
1053	Wich, G. S.	Ph.D.	Advisor:	D D (Carlin
1933		r II.D. de catalyzed rearrangements of oHydrazoanisole and pHydr		к. в. с	-ai iiii
1007	Bartos, M. J.	Ph.D.	Advisor:	тіс	alline
1///	Development and study of high		Auvisoi.	1. 3. C	OIIIIIS
1995	Gordon-Wylie, S. W.	Ph.D.	Advisor:	тіс	alline
1775	<i>J</i>	palt complexes of oxidatively robust n and o donor ligands	Auvisoi.	1. 3. C	OIIIIIS
2002	Gupta, S. S.	Ph.D.	Advisor:	T I C	'ollins
2002	± '	ogen Peroxide: Synthesis, Characterization and Environmental		1. 3. C	OIIIIIS
2002	Hangun, Y.	Ph.D.	Advisor:	T I C	allins
2002	C ,	Activators of Hydrogen Peroxide Promising Rapid Efficient Petr			
	Bleaching Technologies	The state of the s	ordani B dani		
1993	Kostka, K. L.	Ph.D.	Advisor:	T. J. C	ollins
		of high-valent iron complexes of macrocyclic tetraamido-N ligar			
1998	Miller, C.	Ph.D.	Advisor:	T. J. C	ollins
		reactivity of high-valent manganese complexes of macrocyclic-	tetraamido N-	ligands	
2000	Vuocolo, L. D.	Ph.D.	Advisor:	T. J. C	ollins
	The preparation of iron complex	xes as green catalytic oxidant activators of hydrogen peroxide			
2000	Williams, S. A.	Ph.D.	Advisor:	T. J. C	ollins
	Synthesis, characterization and	reactivity of high-valent copper complexes of macrocyclic tetrac	amido-N ligan	ds	
1992	Workman, J. M.	Ph.D.	Advisor:	T. J. C	ollins
		idation state transition metal complexes			
2004	Ghosh, A.	Ph.D.	Advisor:		
		stic Studies of Iron-TAML Catalytic Activators of Hydrogen Pe	roxide and a N	New Activ	ation
1070	Chemistry of Dioxygen by Iron		A 1 .	A 17 4	O 14
1968	Buben, D.	Ph.D.	Advisor:	A. K. (olter
1062	_	omplexing and its effect on acid-base equilibria by a potentiom		A 17 (7 - 14 - ··
1903	Clemens, L. M.	Ph.D.	Advisor:	A. K. (oner
1066	Gusik, F. F.	tion of optically active biphenyls Ph.D.	A drvigam	1 V (~altam
1900	· · · · · · · · · · · · · · · · · · ·		Advisor:	A. K. (Conter
	polynitrobenzhydryl P- toluenes	ansfer complexes: synthesis and acetolysis of some polynitrofluctures.	orenyi and		
1972	Hartman, M. E.	Ph.D.	Advisor:	AKO	Colter
1712	-	the triethyloxonium ion catalyzed homologation of ketones with			C011 C 1
1966	Hui, S. H.	Ph.D.	Advisor:		Colter
1,00		cetolysis of 2-nitro- and 2,4,7- trinitro-9-fluorenyl p-toluene-sul			
		mical consequences of charge-transfer complexing		,	
1961	Johnson, R. D.	Ph.D.	Advisor:	A. K. 0	Colter
	Reactions of 2-pentyl arenesulfe	onates with ethanolic sodium ethoxide: a study of electronic effe	ects in base-ca	talyzed	
	elimination reactions				
1969	Kersting, R. J.	Ph.D.	Advisor:	A. K. (Colter
10 -	_	f molecular complex formation upon acid-base equilibria by a k			a .
1964	McKelvey, D. R.	Ph.D.	Advisor:	A. K. (Colter
1050	Electronic effects in E2 reaction		. 1 .		Q 1
1970	McKenna, A. L., III	Ph.D.	Advisor:	A. K. (Colter

Chemical behavior of charge-transfer complexes: an investigation of donor catalytic effectiveness in the acetolysis of 2,4,7-Trinitro-9-Fluorenyi, p-Toluenesulfonate 1967 Miller, R. E., Jr. Advisor: A. K. Colter Ph.D. Electronic and steric effects in E2 reactions of aryl 2-pentyl sulfones 1963 Musso, R. C. Ph.D. Advisor: A. K. Colter The neighboring cyclopropane ring in solvolytic reactions 1968 Reith, R. A. Ph.D. Advisor: A. K. Colter The stereochemistry of 1, 3-hydride shifts in bicyclic systems 1965 Schuster, I. I. Ph.D. Advisor: A. K. Colter Studies related to conformations of triarylcarbonium ions 1969 Turkos, R. C. Ph.D. Advisor: A. K. Colter Chemical behavior of charge-transfer complexes. Investigation of the catalytic effects of pi - acceptors on the rate of aromatic donors Advisor: A. K. Colter 1961 Wang, S. S.-N. Ph.D. Charge transfer complexes in solvolysis; Synthesis and acetolysis of 2, 4, 7-trinitro-9-fluorenyl p-toluenesulfonate 1958 Companion, A. L. Ph.D. Advisor: F. O. Ellison Quantum mechanical studies of molecular structure. Semi-empirical treatment of mono- and dihydrides of first row element 1964 Huff, N. T. Advisor: F. O. Ellison Ph.D. A diatomics-in-molecules study of some three and four atom systems in reaction and vibration Advisor: F. O. Ellison 1965 Patel, J. C. Ph.D. Application of diatomics-in-molecules theory to three and four atom systems 1965 Pfieffer, G. V. Ph.D. Advisor: F. O. Ellison A diatomics-in-molecules study of the configurations and vibrations of some polyatomic systems Advisor: F. O. Ellison 1966 Wu, A.-J. A. Ph.D. Semiempirical studies of firstrow diatomic hydrides, H2o2, and Ho2 1973 Manocha, A.-J. S. Ph.D. Advisor: W. G. Fateley Far-infrared studies of internal rotation about single bonds 1970 Tuazon, E. C. Ph.D. Advisor: W. G. Fateley Vibrational studies Advisor: R. W. Fessenden 1973 Chawla, O. P. Ph.D. An electron spin resonance study of the mechanism and kinetics of photochemical reactions in aqueous solutions 1972 Laroff, G. P. Ph.D. Advisor: R. W. Fessenden Electron spin resonance studies of the structure and proton transfer kinetics of some radiation produced free radicals in aqueous solution Advisor: R. W. Fessenden 1975 Verma, N. C. Time resolved ESR spectroscopy of transient free radicals produced by the pulse radiolysis of aqueous solutions 1976 Zemel, H. Advisor: R. W. Fessenden Ph.D. Electron spin resonance and pulse radiolysis studies of the mechanism and kinetics of SO4- reactions with aromatic compounds in aqueous solution 1957 Bridges, J. M. Ph.D. Advisor: J. P. Fugassi The ortho effect: a study of the acid-catalyzed hydrolysis of ortho substituted phenl acetates and their para isomers 1949 Cowan, G. A. D.Sc. Advisor: J. P. Fugassi A kinetic study of the thermal decomposition of tertiary butyl formate 1957 Greifer, B. Ph.D. Advisor: J. P. Fugassi Vacuum pyrolysis of bituminous coal 1953 Gronholz, L. F. Ph.D. Advisor: J. P. Fugassi The thermal decompositon of tertiary amyl acetate 1965 Hassell, J. A. Ph.D. Advisor: J. P. Fugassi Sorption of alcohols and water on polycylic aromatic hydrocarbons with polar functionalities 1962 Heredy, L. A. Ph.D. Advisor: J. P. Fugassi I. Studies on the chemistry and mechanism of transbenzlation. II. Extraction of bituminous coal with phenanthrene Advisor: J. P. Fugassi 1949 Holman, J. L. D.Sc. The kinetics of olefin formation in the pyrolysis of tertiary amyl chloride 1954 Imhof, L. G. Ph.D. Advisor: J. P. Fugassi The kinetics of the pyrolysis of Tertiary Amyl Acetate 1954 Markle, C. H. Ph.D. Advisor: J. P. Fugassi

4 June 2002. 46

Advisor: J. P. Fugassi

The thermal decomposition of t-Butyl Chloro-acetate: a kinetic study

Ph.D.

1960 Masciantonio, P.

	Sorption studies on coals		
1960	Mitchell, M. M.	Ph.D.	Advisor: J. P. Fugassi
1944	Kinetics of sorption of methano. Neuworth, M.	on acetylated coals D.Sc.	Advisor: J. P. Fugassi
1777	The chemical nature of the prim	·-	ravisor. J. I. I agassi
1958	Ostapchenko, G. J.	Ph.D.	Advisor: J. P. Fugassi
1052		desorption of methanol on coals of various rank	A1' IDE '
1953	Parker, F. G.	Ph.D. subbituminous coal at elevated temperaturres	Advisor: J. P. Fugassi
1950	Reif, A. E.	D.Sc.	Advisor: J. P. Fugassi
1750	The mechanism of the carbon m		11a v 1501. 3. 1 . 1 ugussi
1942	Rudy, C. E.	D.Sc.	Advisor: J. P. Fugassi
1050	A kinetic study of the thermal de		Advison I D Eversi
1930	Russin, N. C.	D.Sc.	Advisor: J. P. Fugassi
1949		eptane-n-propyl alcohol mixtures D.Sc.	Advisor: J. P. Fugassi
17 17		zone formation of some substituted benzophenones	ravisor. J. 1. 1 ugussi
1961	Sigal, P.	Ph.D.	Advisor: J. P. Fugassi
	The catalytic polymerization of	nitrobenzene	
1958	Solomon, J. A.	Ph.D.	Advisor: J. P. Fugassi
1060	Pyrolysis of coal under high vac		Al: IDE :
1969	Tirman, A.	Ph.D.	Advisor: J. P. Fugassi
1056	The rate of anodic polarization of Trammell, M. R.	Ph.D.	Advisor: J. P. Fugassi
1930	The adsorption of organic vapor		Advisor. J. 1. Pugassi
1943	Warrick, E. L.	D.Sc.	Advisor: J. P. Fugassi
	· ·	mposition of tertiary butyl propionate	
1967	Weber, L.	Ph.D.	Advisor: J. P. Fugassi
		polynuclear aromatic quinones and hydrocarbons	
1955	Weschler, M. C.	Ph.D.	Advisor: J. P. Fugassi
10/1	The kinetics of hydrolysis of ber		Al: IDE :
1961	Wilmot, W. H.	Ph.D. clear compounds with polar functionalitites	Advisor: J. P. Fugassi
1051	Wilson, T. C.	D.Sc.	Advisor: J. P. Fugassi
1/31		and decomposition of the dimer isopropenyl ketone	Advisor. J. 1. 1 ugassi
1954	Loeffler, M. C. S.	Ph.D.	Advisor: J. P. Rossini
	Thermochemistry of normal dec	ylcyclopentane, normal decylcyclohexane, 1-hexadecena,	normal decylbenzene, and related
2002	compound Immaraporn, B.	Ph.D.	Advisor: A. Gellman
2002		nation and Dechlorination Reactions on Single Crystal Me	
2000	Willard, B. B.	Ph.D.	Advisor: S. T. Graul
		vestigations of the metastable dissociations of organosilico	
1971	Boynton, W. V.	Ph.D.	Advisor: E. J. Green
40-0		ynamics of calcite-rhodochrosite solid solutions	
1973	Kite, G. F.		Advisor: C. J. Grundmann
1072		e oxides and related compounds	Advison C. W. Hand
19/3	Bogan, D. J. Kinetics of the reaction of ethylo	Ph.D.	Advisor: C. W. Hand
1972	Obenauf, R. H.	Ph.D.	Advisor: C. W. Hand
1712	•	e with atomic oxygen and active nitrogen studies in a flow	
	detection		
1977	Aksoy, M.	Ph.D.	Advisor: D. J. Hartshorne
1070		nd contraction in smooth muscle	Adam D. I. II. (1
19/8	Aromatorio, D. K.	Ph.D. uscle: isolation and characterization of the myosin light c	Advisor: D. J. Hartshorne
1073	Daniel I I	Ph D	Advisor: D. I. Hartshorne.

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1975 Driska, S. P.	Ph.D.	Advisor: D. J. Hartshorne
Calcium control of smooth mu 1976 Poo, WJ. H.	Ph.D.	Advisor: D. J. Hartshorne
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2003 Golombek, A.	Ph.D.	Advisor: M. P. Hendrich
	f Manganese and Iron Small Molecule Model Complexes a	
2003 Pierce, B.	Ph.D.	Advisor: M. P. Hendrich
The Use of Quantitative EPR TREductase	Techniques to Observe Active Site Assembly Within the Si	mall Subunit of Ribonucleotide
2004 Upadhyay, A.	Ph.D.	Advisor: M. P. Hendrich
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1968 Gedansky, L. M. Thermodynamic consideration	Ph.D.	Advisor: L. G. Hepler
1968 Goldberg, R. N. Thermodynamic investigations	Ph.D.	Advisor: L. G. Hepler
1963 Но, Н. С.	Ph.D.	Advisor: L. G. Hepler
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1965 Hopkins, H. P., Jr. Aqueous solution to thermoche	Ph.D.	Advisor: L. G. Hepler
1963 Hu, A. T.	Ph.D.	Advisor: L. G. Hepler
Calorimetric investigations	TH.D.	Advisor. L. G. Hepier
1968 Larson, J. W.	Ph.D.	Advisor: L. G. Hepler
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1965 Millero, F. J., Jr. Thermodynamic investigations	Ph.D.	Advisor: L. G. Hepler
1963 Wu, C. CH.	Ph.D.	Advisor: L. G. Hepler
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1960 Brandau, B. L.	Ph.D. ri-N-Methylimide. II. Phase studies of the Methyl Amine-l	Advisor: R. R. Holmes
1963 Carter, R. P., Jr.	Ph.D.	Advisor: R. R. Holmes
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	hylaminophosphines and their l:l triethylborane adducts	r proton nacioni magnetic
1962 Forstner, J. A.	Ph.D.	Advisor: R. R. Holmes
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1961 Gallagher, W. P.	Ph.D.	Advisor: R. R. Holmes
A study of the phosphorus pen		114 (1561) 10 10 116111165
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1957 Bertaut, E. F.	Ph.D.	Advisor: R. R. Holmes?
The interaction of group Vb ch	lorides with trimethylstibine and related group Vb trialkyl	s
1990 Zimmerman, J. W.	Ph.D. s of asparagine-linked glycosylation	Advisor: B. Imperiali
1997 Brown, C. M.	Ph.D.	Advisor: M. Kaplan
,	charged particles in heavy ion induced nuclear reactions	Advisor. W. Kapian
1981 Krishnan, A.	Ph.D.	Advisor: M. Kaplan
	idy of magnetic relaxation effects in ferric bromide hexahy	
1986 Moses, D. J.	Ph.D.	Advisor: M. Kaplan
	ission in fission and deeply inelastic reactions of 485-MeV	
1981 Mullins, O. C.	Ph.D.	Advisor: M. Kaplan
The state of the s	studies of electric field gradients in metalloporphyrins	1
1989 Parker, W. E.	Ph.D.	Advisor: M. Kaplan
*	particle production in the reactions 905 and 1030 MeV (su	
and 550 and 750 MeV (superso	eript 86)Kr+(superscript 63)Cu	
1976 Wilson, E. J.	Ph.D.	Advisor: M. Kaplan
Perturbed angular correlation s	tudies of chemically generated electric quadrupole intraction	ons
2004 Kunz, C.	Ph.D.	Advisor: M. Kaplan
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	Nuclear magnetic resonance stu-	dies of cupric acetate dimer exchange with bulk acetic acid	
1968	Ray, G. J.	Ph.D.	Advisor: R. J. Kurland
	Carbon-13 nuclear magnetic res	onance spectroscopy of triarylcarbonium ions and triarylcarbin	iols
1965	Wilson, N. K.	Ph.D.	Advisor: R. J. Kurland
1, 00		dies o intramolecular hydrogen bonding	110,1501, 11,0,110,110,110
1064	Wise, W. B.	· · · · · · · · · · · · · · · · · · ·	Advisor: R. J. Kurland
1704		ctra and barriers to internal rotation of 4-4'-disubstituted biphe	
1005	-	-	-
1995	Johnson, T. E.	Ph.D.	Advisor: J. S. Lindsey
		g arrays: Synthesis, characterization and photophysics	
1998	Li, F.	Ph.D.	Advisor: J. S. Lindsey
		g meso-substituted porphyrins, and the synthesis and photophy	sical properties of light-
	harvesting model system		
1990	Wagner, R. W.	Ph.D.	Advisor: J. S. Lindsey
	Synthetic strategies for the preparation	aration of new porphyrin architectures	-
1993	Bokman, A. M.	Ph.D.	Advisor: M. Llinás
	The state of the s	ion structure and ligand-binding properties	
1999	Briknarová, K.	Ph.D.	Advisor: M. Llinás
1///	· · · · · · · · · · · · · · · · · · ·	n type II modules from human matrix Metalloproteinase 2: Stro	
1001		Ph.D.	
1991	Byeon, IJ. L.		Advisor: M. Llinás
1001		plasminogen activator kringle 2 domain	
1991	Constantine, K. L.	Ph.D.	Advisor: M. Llinás
	Proton magnetic resonance and	modeling studies of ferrichrome peptides and type II domains	
2002	Gehrmann, M.	Ph.D.	Advisor: M. Llinás
	Structural and Functional Simila	arities Between FII and Kringle Domains	
2001	Grishaev, A.	Ph.D.	Advisor: M. Llinás
	The state of the s	otocol for Protein Structure Elucidation via NMR Proton Densi	
1995	Hu, CK.	Ph.D.	Advisor: M. Llinás
1775	· · · · · · · · · · · · · · · · · · ·	otic peptide PN 7002 and the fibrinolytic protein BM 06.022	Advisor. W. Limas
1002			Advison M. I liné
1902	Lecomte, J.	Ph.D.	Advisor: M. Llinás
1005	_	rambin and homologous thionins and toxins	
1987	Petros, A. M.	Ph.D.	Advisor: M. Llinás
	Proton magnetic resonance stud	ies on the kringle 4 fragment from plasminogen	
1992	Rejante, M. R.	Ph.D.	Advisor: M. Llinás
	Proton NMR studies on the struc	cture and ligand-binding properties of human plasminogen krin	igles 1 and 4
1987	Thewes, T.	Ph.D.	Advisor: M. Llinás
	*	MR investigations of a unique Kringle 5 domain	
1962	Kuntz, R. R.		Advisor: G. J. Mains
1702	Mercury photosensitized decom		Advisor. G. J. Mains
1066		-	Advison C. I. Mains
1900	Biordi, J. C.	Ph.D.	Advisor: G. J. Mains
1065		e presence of deuterated hydrocarbons	
1965	Dedinas, J.	Ph.D.	Advisor: G. J. Mains
	Radiation chemistry of tetramet	hylisilane	
1961	Doepker, R. D.	Ph.D.	Advisor: G. J. Mains
	The photolysis of ketones in a fl	uorinated solvent	
1963	Fischer, L. C.	Ph.D.	Advisor: G. J. Mains
	The flash photolysis of diethyl k		
1965	Glover, A. D.	Ph.D.	Advisor: G. J. Mains
1703		cycloaddition reactions of conjugated steroid dienones	Advisor. G. J. Mains
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1900	La Barge, R. G.	Ph.D.	Advisor: G. J. Mains
	Photochemical additions to cam		
1966	Lewis, D.	Ph.D.	Advisor: G. J. Mains
	The photolysis of methyl iodide		
1962	Niki, H.	Ph.D.	Advisor: G. J. Mains
	I. The formation of Benzene in t	the radiolysis of acetylene. II. Ultra violet-, and X-ray induced	exchange reaction between
	hydrogen and deuterium	•	-
1958	Peterson, D. B.	Ph.D.	Advisor: G. J. Mains

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1962	Pirog, J. A.	Ph.D.	Ac	ivisor: (G. J. Mains
10	The mercury sensitized photolys				~
1966	Tiernan, T. O.	Ph.D.			G. J. Mains
	Part I. Radiation chemistry of m	onosilane. Part II. Mass spectrometric investigations oil	f ion-molecul	e reactions	in monosilane
1963	Barnewell, J. M.	Ph.D.	A	Advisor:	B. J. Mair
	, , , , , , , , , , , , , , , , , , ,	r aromatic material in the light gas oil range, low refrac	tive index por	tion, 230 [degrees] - 305
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1961	Chao, J.	Ph.D.	A	Advisor:	B. J. Mair
		, and isomerization of some aliphatic alcohols			
1062	Martinez-Pico, J. L.	Ph.D.		dvicor	B. J. Mair
1702	· ·				D. J. Man
1062		rbons in the heavy gas oil and light lubricating distillate			DIM:
1963	Mayer, T. J.	Ph.D.		Advisor:	B. J. Mair
		omatics, C 12 to C 14, in the light gas oil fraction of pet			
1967	Ronan, Z.	Ph.D.	A	\dvisor:	B. J. Mair
	Composition of the branched pa	raffin-cyclo-paraffin portion of petroleum, 140' to 180'	D		
1964	Yew, F. FH.	Ph.D.	A	Advisor:	B. J. Mair
		13 to C17 alktlnaphthalenes, alky;biphenyls and alkyldi			
	dinuclear aromatic	to to ear amountproducts, unity, expression and unity to	o o i i i i i i i i i i i i i i i i i i		
2002	Pyunn, DC. J.	Ph.D.	Advisor	K Mat	yjaszewski
2002					
2000		ganic/Inorganic Hybrid Materials Using Controlled/Livi			
2000	Beers, K. L.	Ph.D.			yjaszewski
		s of comb copolymers with variable grafting density by			
2001	Davis, K. A.	Ph.D.	Advisor:	K. Mat	yjaszewski
	Segmented copolymers by atom	transfer radical polymerization			
1995	Fossum, E. A.	Ph.D.	Advisor:	K. Mat	yjaszewski
	*	cyclotetrasilanes: A versatile route to polysilylenes			<i>J J</i>
1997	Gaynor, S. G.	Ph.D.	Advisor	K Mat	yjaszewski
1///	•		7 tu v 1501.	ix. Mai	y jasze w ski
1007		olymers by atom transfer radical polymerization	A 1 ·	17 M 4	. 1.
1997	Greszta, D.	Ph.D.	Advisor:	K. Mat	yjaszewski
		olymers via atom transfer radical polymerization			
1993	Hrkach, J. S.	Ph.D.	Advisor:	K. Mat	yjaszewski
	Synthesis of graft copolymers w	ith a polysilane backbone and organic side chains			
1990	Kim, H. K.	Ph.D.	Advisor:	K. Mat	yjaszewski
	Sonochemical synthesis of well-	-defined polysilanes			<i>J J</i>
1991	Lin, Ch.	Ph.D.	Advisor	K Mat	yjaszewski
1//1	A mechanistic study of living ca		7 ta v 1501.	ix. Mai	y jasze w ski
1000	-		A devision.	V Mat	i o o o o v o l z i
1999	Miller, P.	Ph.D.			yjaszewski
1000		rization and the Synthesis of Well-Defined Inorganic/Or			
1993	Montague, R. A.	Ph.D.	Advisor:	K. Mat	yjaszewski
	Synthesis of polyphosphazenes	via the catalyzed polymerization of phosphoranimines			
2001	Paik, HJ.	Ph.D.	Advisor:	K. Mat	yjaszewski
	Kinetic studies and applications	of atom transfer radical polymerization			
2000	Qiu, J.	Ph.D.	Advisor	K Mat	yjaszewski
2000		ation in aqueous dispersed media	ravisor.	ix. mai	y jasze w ski
1002			A drvigam	V Mat	i o o o o v o l z i
1992	Ruehl, K. E.	Ph.D.	Advisor.	K. Mai	yjaszewski
4004		of functionalized oligo- and polysilanes		** **	
1994	White, M. L.	Ph.D.	Advisor:	K. Mat	yjaszewski
		on of polyphosphazene copolymers			
1999	Xia, J.	Ph.D.	Advisor:	K. Mat	yjaszewski
		of New Catalysts in Atom Transfer Radical Polymerizat			
2002	Pintauer, T.	Ph.D.		K. Mat	yjaszewski
00		cts of copper catalyzed atom transfer radical processes	114 (1501)	11. Iviat	, Jasz 2 ski
2002			Advison	D D M	[oCullonal
ZUUZ	Zhai, L.	Ph.D.	AUVISOI".	N. D. M.	IcCullough

Synthesis and characterization of new organic, inorganic, and organometallic tetrathiafulvalenes and CdSe hybrid materials

Advisor: R. D. McCullough

Fabrication of Micro- and Nanostructures from Functionalized Regioregular Poly (3-alkylthiophenes)

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1995 Belot, J. A.

1996 Ewbank, P. C. Ph.D. Advisor: R. D. McCullough Synthesis of regioregular thiophene oligomers and polymers with amino and carboxylic acid substituents, protection of 3-(aminomethyl)thiophene by a novel, reversible thienopyrrole synthesis, and ionochromism in 2,5-poly(thiophene-3-propionic 1997 Jayaraman, M. Ph.D. Advisor: R. D. McCullough Synthesis and characterization of HT-Poly(3-Alkylthiophenes), HT-Random and alternating copolymers of 3-Alkylthiophenes and HT-Amphiphilic alternating copolymers of thiophenes & langmuir-blodgett assemply of HT-Amphiphilic alternating copolymers of thiophenes 2002 Liu, J. Advisor: R. D. McCullough End-Group Functionalization of Regioregular Head-to-Tail Poly(3-alkylthiophenes) and its Application to the Synthesis of Well-Defined Rod-Coil Block Copolymers: Tuning the Self-Assembly and Functional Properties of Conducting Polymers 2000 Loewe, R. S. Advisor: R. D. McCullough Synthesis, characterization, and development of structurally homogeneous polythiophenes (pts) and polythienylene vinylenes 2001 Pilston, R. Ph.D. Advisor: R. D. McCullough Synthesis and Characterization of Novel Regioregular Polythiophenes, Random Copolymers of Thiophene and Studies of the GRIM Polymerization Method for the Synthesis of Polythiophenes 1996 Williams, S. P. Ph.D. Advisor: R. D. McCullough The sysnthesis and properties of regioregular poly(2-substituted thiophenes) with polyetheric substituents, some properties of regioregular poly(3-alkylthiophenes), and efforts toward the synthesis of well-defined polyPyrrole) derivatives 1974 Singh, R. K. Ph.D. Advisor: P. K. McCurry Part I. Total synthesis of -Vetivone and Spiro-sesquiterpenoids via novel spiroannelation reactions. Part II. Re-examination of 2, 5-Diketon cyclization and synthesis of Cis-Jasmone and its analongs via the Retroadol-Aldol pathway 1943 Friedel, R. A. Advisor: D. S. McKinney D.Sc. The infra-red absorption spectrum of liquid and gaseous morpholine 1951 Gebhardt, J. J. D.Sc. Advisor: D. S. McKinney Infrared absorption study of HCl and HBr in SnCl4, Cl4, CS2, and CHCl3 1949 Gibian, T. G. Advisor: D. S. McKinney D.Sc. The infra-red spectra and force constants of chloroform and trichlorosilane Advisor: D. S. McKinney 1954 Hemstreet, R. A. Ph.D. The infrared spectra of piperidine, piperazine and triethylenediamine 1953 Mahoney, T. J. Advisor: D. S. McKinney Ph.D. The association of chlorohydrins in dilute carbon tetrachloride solution Ph.D. Advisor: D. S. McKinney An infrared study of interaction between certain secondary amines and other polar compounds 1956 McDougall, R. I. Advisor: D. S. McKinney Ph.D.

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1947 Toensing, C. H. D.Sc.

Advisor: D. S. McKinney Thermodynamic studies on autenitic solid solutions: activity of carbon as a function of composition and temperature in iron and nickel steels

Advisor: D. S. McKinney

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1973 Keil, D. G. Ph.D. Advisor: J. V. Michael An investigation of some gas phase reactions of hydrogen atoms with unsaturated hydrocarbons and some isotopic and mixed isotopic variations by mass spectrometric detection in a discharge flow system: absolute rate determinations and mechanism

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Static and dynamic light scattering of poly-(_-methyl styrene) in toluene

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Advisor: G. D. Patterson

Ph.D.

1987 Munoz, A.

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1954 Mandamadiotis, S. D.	Ph.D.	Advisor: F. D. Rossini
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1956 Marculaitis, W. J.	Ph.D. s-oil and light lubricating oil fraction of petroleum	Advisor: F. D. Rossini
1954 Pignocco, A. J. Fractionation by distillation	Ph.D.	Advisor: F. D. Rossini
1957 Rockenfeller, J. D.	Ph.D.	Advisor: F. D. Rossini
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1980 Mokhtarzadeh, M. Dynamic modeling of low th	Ph.D. ermal gradient evaporators and condensers	Advisor: R. R. Rothfus
1962 Blossey, E. C.	Ph.D.	Advisor: M. B. Rubin
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1967 Brown, A. P.	Ph.D. onformational transmission effects in B-ring substituted 20-keto	Advisor: M. B. Rubin
1963 Hipps, G. E.	Ph.D.	Advisor: M. B. Rubin
Photochemical dimerization 1966 Vaux, J. E., Jr.	Ph.D.	Advisor: M. B. Rubin
C-ring modifications of 20 k		Advisor. W. B. Ruom
1964 Zwitkowits, P. M. Photochemical reactions of 9	Ph.D.	Advisor: M. B. Rubin
1987 Babirad, S. A.	Ph.D. Adv	visor: A. J. S. L. K. Sakan
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	r diels-alder reaction of internally activated trienes	Sol. A. K. N. H. K. Sakali
1971 Infelta, P. P.	Ph.D. recombinnation process in the radiolysis of hydrocarbons: appli	Advisor: R. H. Schuler
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1976 Isildar, M.	Ph.D.	Advisor: R. H. Schuler
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1972 Soylemez, T.	Ph.D. queous solutions of aliphatic hydrocarbons	Advisor: R. H. Schuler
1941 DeWitt, B. J.	D.Sc.	Advisor: H. Seltz
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1947 Dienes, G. J. Activation energy for the dif	D.Sc. fusion of coupled pairs of vacancies in alkali halide crystals	Advisor: H. Seltz
1942 Dunkerley, F. J.	D.Sc. ties of tungstic oxide, tungsten carbide, titanium carbide, and to	Advisor: H. Seltz
1936 McAteer, J. H., II	D.Sc.	Advisor: H. Seltz
	ne activities in the lead-indium and silver-palladium systems. F	
1939 McDonald, H. J.	D.Sc. m dioxide and iron carbide from 68-298'K	Advisor: H. Seltz
1946 McGraw, L. D.	D.Sc.	Advisor: H. Seltz
The heat of combustion of tu		TIGVISOT. II. GOILE
1944 Snyder, P. E.	D.Sc.	Advisor: H. Seltz
Heat formation of aluminum 1936 Strickler, H. S.	D.Sc.	Advisor: H. Seltz
A thermodynamic study of the		AUVISOI. II. SCILZ
1990 Bickerstaff, R. D.	Ph.D.	Advisor: L. R. Sita
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1956	Albright, D. M.	Ph.D.	Advisor: P. E. Snyde
1071	The high temperature thermody.		Al: DEC 1
1951	Beard, A. P.	D.Sc.	Advisor: P. E. Snyde
		entropy of tungsten trioxide between 0 degrees and 1000 d	
1952	Cosgrove, L. A.	D.Sc.	Advisor: P. E. Snyde
	The heat of formation of BeO: t	he high temperature thermodynamic properties of MoO3	
1957	Duffek, E. F.	Ph.D.	Advisor: P. E. Snyde
	An equilibrium study of the syst	em: NiO-CO2-H2O	-
1949	Huff, G. F.	D.Sc.	Advisor: P. E. Snyde
	The heat of formation of tungsti		3
1950	Kelly, J. C. R., Jr.	D.Sc.	Advisor: P. E. Snyde
1750	<i>3</i> *	ature heat capacity of sodium hydroxide: the entropy of soc	
1053	Rothman, A. B.	Ph.D.	Advisor: P. E. Snyde
1733	An equilibrium study of the syst		Advisor. 1. E. Siryde
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1933	Staskiewicz, B. A.	Ph.D.	Advisor: P. E. Snyde
1070		denum trioxide. The high temperature thermodynamic prop	
1973	Amarnath, V.	Ph.D.	Advisor: P. L. Southwich
		vrrolo[3,4-d] pyrimidine derivatives of antimalarial interest	
1956	Anderson, J. E.	Ph.D.	Advisor: P. L. Southwich
	A stereochemical study of the ac	ddition of amines to a nitroolefin	
1960	Barnas, E. F.	Ph.D.	Advisor: P. L. Southwich
	Aldol conversations of 2.3-diox	opyrrolidines	
1959	Bartkus, E. A.	Ph.D.	Advisor: P. L. Southwich
	A study of direct aromatic carbo	oxymethylation	
1949	-	D.Sc.	Advisor: P. L. Southwich
	Synthesis of pteridines		
1955	Carlson, H. E.	Ph.D.	Advisor: P. L. Southwich
1755	A study of the chemistry of 2, 3		ravisor. 1. 2. goddiwiei
1057	Casanova, J.	Ph.D.	Advisor: P. L. Southwich
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1064	Choby, E. G., Jr.	Ph.D.	Advisor: P. L. Southwich
1704	Compounds in the pyrrolo [3,4-		Advisor. 1. L. Soudiwich
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1961	Chou, C. H.	Ph.D.	Advisor: P. L. Southwich
40 -		o compounds derived from flavone	
1951	,	D.Sc.	Advisor: P. L. Southwich
		ompounds with iodine-amine complexes	
1952	Crouch, R. T.	D.Sc.	Advisor: P. L. Southwich
		propionic esters with oxalic acid derivatives	
1976	Dhawan, B.	Ph.D.	Advisor: P. L. Southwich
		olo (3,4-d) pyrimidine derivatives. Synthesis of 1-amidino-	4-aroylpiperazines and a
	convenient preparation of mono		
1953	Dimond, H. L.	Ph.D.	Advisor: P. L. Southwich
	Certain reactions of iodomethyl	styrl ketone	
1953	Donaruma, L. G.	Ph.D.	Advisor: P. L. Southwich
	Bromination of methyl stilbyl ke	etone. A pyrolysis product of a-phenylcinnamoyl chloride	
1972	Dufresne, R. F.	Ph.D.	Advisor: P. L. Southwich
	Thermal cyclizations of 3-(2-ary	hydrazino)-3-pyrroline derivatives: a study of the Fischer	
1960	Ely, W. T.	Ph.D.	Advisor: P. L. Southwich
	The synthesis of compounds rel		
1967	Emrich, W. O.	Ph.D.	Advisor: P. L. Southwich
	Selective reduction of polyfunct		
1967	Fink, T. E.	Ph.D.	Advisor: P. L. Southwich
1701	Diazepine derivatives from flavor		114 (1501. 1. L. DOUUIWICI
1065	Fitzgerald, B. M.	Ph.D.	Advisor: P. L. Southwich
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1200	Fitzgerald, J. A.	Ph.D.	Advisor: P. L. Southwich

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1967 Walker, D. M. Ph.D. Advisor: P. L. Southwick

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1953 Walsh, W. L. Ph.D. Advisor: P. L. Southwick

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1968 Welsh, D. A. Ph.D. Advisor: P. L. Southwick

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1969 Yevich, J. P. Ph.D. Advisor: P. L. Southwick Synthesis of tryptamine analogs containing the opyrrolo [3, 4-b] indole and pyrrolo [3', 4':4, 5] pyrrols [3, 4-b] indole ring systems

1962 Zaczek, N. M. Ph.D. Advisor: P. L. Southwick

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1974 Aufderheide, B. E. Ph.D. Advisor: R. F. Sprecher Synthesis, boron-11 shift assignments and correlations for halogenated decaboranes, carboranes and derivatives, and thermal re-arrangements of 1-phenyl-3-fluoro-o-carborane

1992 Replogle, E. S. Ph.D. Advisor: A. J. A. P. S. W. Staley

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1997 Grimm, R. A. Ph.D. Advisor: S. W. Staley

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1999 Kehlbeck, J. Ph.D. Advisor: S. W. Staley

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1999 Peterson, M. L. Ph.D. Advisor: S. W. Staley
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Bridged Dicyclooctatetraenes

1993 Siesel, D. A. Ph.D. Advisor: S. W. Staley Synthesis and dynamic NMR studies of bridged dicyclooctatetraenes and alkynylcyclooctatetraenes

1992 Strnad, J. T. Ph.D. Advisor: S. W. Staley
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1944 Colon, I. A. D.Sc. Advisor: G. Stempel

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1947 Cross, R. P. D.Sc. Advisor: G. Stempel

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1945 Mariella, R. P. D.Sc. Advisor: G. Stempel

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1938 Orning, A. A. D.Sc. Advisor: G. Stempel
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1943 Schaffel, G. S. D.Sc. Advisor: G. Stempel
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1974 Bently, J. J., Jr. Ph.D. Advisor: R. F. Stewart

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1978 Epstein, J. Ph.D. Advisor: R. F. Stewart Model studies for the analysis of scattered intensities from X-ray and high energy electron diffraction

1986 Elliott (ne: Jones), S. A. Ph.D. Advisor: D. A. Tirrell Model copolymerization reactions: penultimate and complex-participation effects in radical addition to olefins

1987 Prementine, G. S. Ph.D. Advisor: D. A. Tirrell

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1984 Takigawa, D. Y. Physical studies of polymer-ph	Ph.D.	Advisor: D. A. Tirrell
1985 Turek, A. B.	Ph.D.	Advisor: D. A. Tirrell
	with dipalmitoylphosphatidylglycerol bilayers	Advison D. A. Timoli
1982 Zussman, M. P. Poly (chloromethylthiirane)-popolymeric chloroalkyl sulfides	Ph.D. oly (3-chlorothietane): an example of backbone assisted reaction	Advisor: D. A. Tirrell vity and dynamic isomerism in
1973 Bulkowski, J. E.	Ph.D.	Advisor: C. H. V. Dyke
	ne organofluorosilanes and germanes and certain o-alkyl trans	
1972 Finch, M. A.	Ph.D.	Advisor: C. H. V. Dyke
	ne selected organosilyl fluorides, fluorosilyl isocyanates, and	
1968 Gibbon, G. A.	Ph.D.	Advisor: C. H. V. Dyke
	ew germanuim hydride derivatives	
1968 Kifer, E. W.	Ph.D.	Advisor: C. H. V. Dyke
	alorimetric studies on the chemistry of group IV elements	Addison C. H. V. Dodo
1979 Mance, A. M.	Ph.D.	Advisor: C. H. V. Dyke
1972 Marcus, L. H.	of some chromium tricarbonyl complexes of phenylsilanes Ph.D.	Advisor: C. H. V. Dyke
	I H.D. Il derivatives of germane and some new fluorosilyl compound	
1975 Miro, N. D.	Ph.D.	Advisor: C. H. V. Dyke
•	onal silyl and silylmethyl transition metal complexes	riavisor. C. II. V. Dyke
1985 Ramprasad, D.	Ph.D.	Advisor: C. H. V. Dyke
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1969 Viswanathan, N.	Ph.D.	Advisor: C. H. V. Dyke
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1968 Wang, J. T.	Ph.D.	Advisor: C. H. V. Dyke
	ew silicon and germanium hydride derivatives	A 4-2 W/ II W/- 11-11
1984 Feilchenfeld, N. B.	Ph.D. actroscopic investigations on intermediates formed in the photometric ph	Advisor: W. H. Waddell
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1982 Go, C. L.	Ph.D.	Advisor: W. H. Waddell
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1986 McDaniel, R. F.	Ph.D.	Advisor: W. H. Waddell
	of reactive organic compounds: Part 1. Octatetraene and its d	euterated analogue. Part 2.
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1979 Shiba, C. F.	Ph.D.	Advisor: W. H. Waddell
1980 West, J. L.	of some platinum (II)-alkoxycarbonyl complexes Ph.D.	Advisor: W. H. Waddell
	tution on the photochemistry of retinal	Advisor. W. II. Waddell
1997 Randolph, J. B.	Ph.D.	Advisor: A. Waggoner
	ultiply-labeled fluorescent DNA probes	
1993 Yu, H.	Ph.D.	Advisor: A. Waggoner
	of cyanine dye-labeled DNA probes	
1995 Zhu, Z.	Ph.D.	Advisor: A. Waggoner
	s and optimal labeling methods	
1937 Ablard, J. E.	D.Sc.	Advisor: J. C. Warner
	ciation constants and heats of dissociation of triethylamine in	
1942 Berl, W. G.	D.Sc. xygen on Activated Surface Electrodes	Advisor: J. C. Warner
1943 Colon, A. A.	D.Sc.	Advisor: J. C. Warner
Kinetics of the hydrolyses of e		1 ICT 1501. J. C. WAITICI
1938 Eagle, S.	D.Sc.	Advisor: J. C. Warner
	yl halides with bases in hydroxylic solvents	···
1948 McCabe, C. L.	D.Sc.	Advisor: J. C. Warner
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1938 McKinney, D. S.	D.Sc.	Advisor: J. C. Warner
The infrared spectra of boron t	rifuoride and of 1, 4-dioxane	
1942 Stevens, J. E.	D.Sc.	Advisor: J. C. Warner
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1935 Svirbely, W. J.	D.Sc.	Advisor: J. C. Warner
Electric moments of BF3, d-Pi	nene, and d-Limonene	
1950 Vogel, K. H.	D.Sc.	Advisor: J. C. Warner
Kinetics of ester hydrolysis		
1938 Winstrom, L. O.		Advisor: J. C. Warner
	is in the reaction of ethylene chlorohydrin with the hydroxyl ion	
1950 Woodland, W. C.	D.Sc.	Advisor: J. C. Warner
	ns methanol-water and 1, 4-dioxane water	
1974 Maciunas, G. M.	Ph.D.	Advisor: D. L. Weaver
	sition metal nitrosyl complexes	
1974 McClure, M. D.	Ph.D.	Advisor: D. L. Weaver
	sition metal triphenylcyclopropenyl complexes	A 1
1970 Tuggle, R. M.	Ph.D.	Advisor: D. L. Weaver
	cyclopropenium transition metal complexes	Al: DEW I
1971 Lloyd, R. V.	Ph.D.	Advisor: D. E. Wood
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1969 Pietrzak, T.	Ph.D.	Advisor: D. E. Wood
Electron spin resonance studie		isam C. D. Wanthington
1975 Liu, Sc.	Ph.D. Adv ranes: biochemical and low-angle X-Ray diffraction studies	isor: C. R. Worthington
2000 Moore, E. E.	Ph.D.	Advisor: D. Yaron
*	ronic structure of conjugated polymers	Advisor. D. Taron
2002 Pasquinelli, M.	Ph.D.	Advisor: D. Yaron
	h to the Photophysics of Conjugated Polymers	Advisor. D. Taron
2001 Weibel, J.	Ph.D.	Advisor: D. Yaron
,	onic Structure Calculations on Organic Materials	Advisor. D. Taron
2004 Tomlinson, A.	Ph.D.	Advisor: D. Yaron
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