1913

1. CLARK, Clinton Willard. (Title not Available).


3. CORLISS, Harry Percival. The Distribution of Colloidal Arsenic Trisulfide between the Phases in the System Ether, Water, and Alcohol.


5. SHIVELY, Robert Rex. A Study of Magnesia Cements.

1914

6. UHLINGER, Roy H. The Formation of Utilizable Products from Natural Gas.

1915


8. LIEBOVITZ, Sidney. Study of Dynamics of Esterification.


10. WITT, Joshua Chitwood. Oxidation and Reduction Without the Addition of Acid. I. The Reaction between Ferrous Sulfate and Potassium Dichromate. II. The Reaction Between Stanous Chloride and Potassium Dichromate. (Neidle)

1917

11. COLEMAN, Arthur Bert. Tetraiodofluorescein, Tetraiodoeosin, Tetraiodoerythrosin and Some of Their Derivatives. (Pratt)


1919

15. CURME, Henry R. Butadiine (Diacetylene). II. Analysis of Gas Mixtures by Distillation at Low Temperatures and Low Pressures. III. The Precise Analytical Determination of Acetylene,
Ethylene, and Methyl Acetylene in Hydrocarbon Gas Mixtures.

16. DROGIN, Isaac. The Effect of Potassium Chloride on the Inversion of Cane Sugar by Formic Acid.

17. YOUNG, Charles Otis. Tetrabromophthalic Acid and Its Condensation with Some Primary Amines.

1920

18. BALZ, Emil Harold. Derivatives of 2,4,6-Trinitrobenzaldehyde. (Lowy)


1921


1922


22. HARVEY, Adelbert William. Sulfonation of Aromatic Hydrocarbons Under the Influence of Temperature. I. Sulfonation of Benzene. (Stegeman)

23. HENDERSON, William Franklin. The Chemical Properties of Cotton Linters. (Lowy)

24. HOWALD, Arthur Mark. The Catalytic Ammonolysis of Beta-Naphthol and Chlorobenzene in the Vapor State. (Lowy)


1923

28. DOWNEY, Thomas Briley. Derivatives of 2,4-Dinitrobenzaldehyde. III. (Lowy)

29. JONES, Charles Luther. The Retorting of Shale Oil.

30. KING, Charles Glen. Derivatives of 2,4-Dinitro-benzaldehyde. (Lowy)
31. WESCOTT, Blaine Benjamin. Catalytic Decomposition of Formic Acid. (Engelder)

1924

32. DUNBROOK, Raymond Frederick. The Electrolytic Oxidation of Toluene, p-Nitrotoluene and p-Chlorotoluene to Their Respective Acids. (Lowy)

33. HJORT, Elmer Victor. Selenium Galvanometric Colorimeter. (Lowy)

34. POWERS, Paul Odell. A Study of the Utilization of Light Wood Oil. (Lowy)

35. SAUNDERS, Paul Canfield. Composition of Ozone and the Time-Energy Factor in Ozone Formation. (Silverman)

36. SUTTON, Willard James. The Electrical Conductivity of Sodium Chloride in Molten Glass. (Silverman)

37. TESH, Kendall Siebert. The Electrolytic Preparation of Phenylhydrazine and Phenylmercuric Chloride. II. The Electrolytic Reduction of Salicylic Acid (Sodium Salt) to Salicylaldehyde. (Lowy)


1925

39. KAMMER, Glenn Donald. Ionium and Thorium in Colorado Carnotite. The Adsorption of Ionium and Thorium by Barium Sulfate. (Silverman)

40. LEWERS, William Wright. Comparative Study of Azo Dyes Made with H-Acid and Acetyl-H-Acid. (Lowy)


42. ROSENBERG, Jacob Ellis. Adsorption of Ions on Metallic Surfaces and Its Effect on Electrode Potentials. (Stegeman)

43. RUDISILL, William Augustus. Catalytic Activation of Titania. (Engelder)

1926

44. BALDWIN, Wilmer Entriken. The Action of Ozone on the Leuco-Base of Malachite Green. (Lowy)

45. CONN, John Ferguson. The Electrolytic Oxidation of p-Bromotoluene and o-Nitrotoluene. (Lowy)
46. CROCO, Carlton Webster. Electrochemical Chlorination and Bromination of Benzene. (Lowy)

47. KESLER, Carl Chambers. Purification of Abietic Acid from Rosin and Preparation of Some of Its Derivatives. (Lowy)

48. KESLER, Rachel Hoyle. Derivatives of \( \alpha \)-Hydroxy-\( \beta \)-Naphthoic Acid. (Lowy)

49. NELSON, William Lionel. The Bromination and Chlorination of H-Acid and Chromotropic Acid. (Engelder)

50. NEVYAS, Jacob. Electrochemical Reduction of Indigo. (Lowy)

51. ROBINSON, Abraham Louis. The Solubility of Potassium Bromide in Acetone as Related to the Inter-ionic Attraction Theory. (Stegeman)

52. TRUSLER, Ralf Barth. Amides and Amide Acid Sulfates from Nitriles and Esterification of Amide Acid Sulfates.

53. YOUNG, John Leslie. The Effect of Suspended Material Upon the Electrical Conductivity of Aqueous Solutions of Slightly Soluble Salts. (Stegeman)

1927

54. AVERILL, Harold Paul. The Relation Between the Chemical Constitution and Physical Properties of the Triglycerides. (King)

55. BALCAR, Frederick Rhinehart. The Adsorption and Solution Phenomena Encountered in Precipitations. (Stegeman)

56. HERRON, Frederick Young. Origin and Production of Fusel Oil.

57. MOORE, Catherine May. I. A Study of the Electrolytic Oxidation of Isoeugenol and Acetylisoeugenol. II. Some Derivatives of Acetylvanillin.

58. MYERS, Latimer Duffield. Application of the Solid Solution Theory to the "Sweating Process" of Paraffin Wax. (Stegeman/Faragher)


60. ROCHE, James Norman. The Relation Between the Chemical Structure and Physical Properties of Triglycerides. (King)

61. WOODWARD, Hubert Edmund. A Study of Conditions Affecting the Electrolytic Preparation of Sodium Amalgam.
62. EDWARDS, David Fruston. The Relative Heats of Reaction of Sulfuric Acid with Naphtha Solutions of Olefins and the Polymerization of Trimethylene. (Lowy)

63. HUBBUCH, Leo Phillip. Electrochemical Reduction of Azo Dyes to Their Respective Amino Compounds. (Lowy)

64. LAI, Chi Fang. The Preparation and Study of Beryllium Glasses. (Silverman)

65. McCLURE, Robert Elmer, Jr. The Electrochemical Preparation of Phenylhydrazine. (Lowy)

66. MEAD, Morris, W., Jr. Proteolysis and the Specific Destruction of Amino Acids by Clostridium sporogenes and Clostridium histolyticum. (King)

67. MILLER, Lewis Earl. The Catalytic Oxidation to Carbon Monoxide by Titania and Mixtures of Titania with Various Metallic Oxides.

68. MITRA, Himansu Kumar. The Prevention of Disintegration of Blast Furnace Linings. (Silverman)

1929

69. DAVIDSON, James Meyer. Reactions of Vinyl Chloride and Benzene in the Presence of Aluminum Chloride.

70. MUNGER, Hamnett Pitzer. The Phase Diagram for the System Sulfur-Naphthalene and Its Relation to Introfaction. (Stegeman)


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72. BLUMER, Manuel. The Catalytic Oxidation of Carbon Monoxide. (Engleder)

73. GOLDBLATT, Leo Arthur. The Nitration of Abietic Acid and the Study of Some of Its Nitrogen Derivatives. (Lowy)

74. GRETTIE, Donald Pomeroy. The Preparation and Properties of Antiscorbutic Fractions from Lemon Juice. (King)

75. LANDOLT, George Lifred. The Relative Floating Powers of the Various Active Constituents of Crude Cresylic Acid in the Agitation-Froth Flotation of a Galena-Sphalerite-Pyrite Ore. (Lowy)

76. McKINNIS, Ronald B. The Nature of Vitamin C: A New Transference Apparatus and Its Use in
the Study of Vitamin C. (King)

77. SIPPLE, Horace Lawson. A Study of the Preparation and Properties of Vitamin C Fractions from Lemon Juice. (King)

78. THIESSEN, Gilbert. The Isolation of the Humic Acid. (Engelder)

1931

79. EBREY, Glenn Ogle. The Pyrolysis of Propane. (Engelder)


81. LABARTHE, Jules. Oxidation of a High Melting Paraffin (Superla Wax). (Lowy)

82. PAYNE, Claron R. Study of the Composition of a Highly Cracked Gasoline Before and After Heat Treatment. (Lowy)

83. ROBINSON, Herbert Edwin. Synthetic Fatty Acid Glycerides. (King)

84. SCHILLER, William John. System of Inorganic Qualitative Microanalysis. (Engelder)

85. SMITH, Frederick Lauderburn, II. Vitamin C Preparations from Lemon Juice. (King)

86. SVIRBELY, Joseph Louis. Study in the Preparation of Vitamin C Concentrates from Lemon Juice. (King)

1932

87. AMDUR, Isadore. The Temperature Coefficient of the Recombination Rate of Atomic Hydrogen. (Robinson)

88. ARNOLD, Chester L. The Isolation and Study of the Humic Acids from Peat. (Lowy)


90. GLICK, David. Relationships Between the Constitution of Organic Compounds and Their Effects upon Liver Esterase and Pancreatic Lipase. (King)

91. HAAS, Matthias Edward. Heat Capacity and Free Energy of Formation of Ethylene. (Stegeman)

92. JACKSON, Donald Tash. Study of Partially Acylated Glycerides. (King)

93. LEVIN, David Edward. Derivatives of Dihydroeugenol and Certain Pharmacological Properties of Some of these Compounds. (Lowy)
94. MARTIN, Samuel Maner. The Distribution of Gum Forming Constituents in a Cracked Gasoline. (Lowy)

95. RASCH, Carl Henry. Electrochemical Oxidation of Anthraquinone. (Lowy)

96. WARDNER, Carl Arthur. Nitration of m-Diphenylbenzene and Derivatives of Nitro-m-Diphenylbenzene. (Lowy)

97. WHITE, Elam Gurney. The Electrochemical Oxidation of Naphthalene Using a New Type of Electrode.

98. WHITE, Guy Haywood, Jr. The Electrolytic Oxidation of Leuco-Bases of the Triphenylmethane Series of Dye Stuffs. (Lowy)

1933

99. ANDREWS, Leslie Henry. Catalytic Reduction of Azo and Anthraquinone Types of Compounds. (Lowy)

100. BESSEY, Otto Arthur. The Protein Metabolism of Clostridium histolyticum and Clostridium sporogenes: An Enzyme Study. (King)

101. BIGELOW, Maurice Hubbard. A Study of the Sodium Series of Selenium Glass. (Silverman)

102. GILLANDER, Hugh E. A Study of the Factors Involved in the Weathering of Creosotes. (King)

103. HOYT, Creig Simmons. The Free Energy of Formation of Lead Amalgams. (Stegeman)

104. PETTY, Gerald McKinney. The System Sulfur-Octachlorobiphenyl. (Stegeman)

105. WAUGH, William A. The Isolation and Identification of Vitamin C. (King)

1934

106. BAKER, Zelma. A Study of the Purification, Specificity and Inhibition of Liver Esterase. (King)

107. DAUGHERTY, Thomas Hill. A New Mercury Arc Microscope Illuminator and a Preliminary Study of the Fluorescence of Rayons.

108. GULBRANSEN, Earl A. Relative Partial Molal Heat Contents and Partial Molal Heat Capacities of Sodium Chloride Solutions. (Robinson)

109. McELROY, Olive Elizabeth. Synthetic Triglycerides of the Dilaurin Series. (King)
110. SILVER, Samuel Lewis. Friedel-Craft's Type Reactions on Biphenyl. (Lowy)

111. STIMMEL, Benjamin F. The Preparation and Properties of Beta-Monoglycerides. (King)

112. WEBER, Helmut Henry Reppin. Inhibition and Specificity of Liver Esterase and Pancreas Lipase. (King)

1935

113. BLAU, Henry Hess. Causes of Opalescence in Glasses: Silicon, Sodium, Calcium, Oxygen, Fluorine Series. (Silverman)

114. BRANDES, Oliver Leonard Victor. Catalytic Polymerization of Propylene. (Lowy)


1936

116. FURTSCH, Edward Frank. The Heat Capacity and Entropy of Beta-Lactose. (Stegeman)

117. KANE, Howard L. Reactions of Alkyl Sulfates, Tetraethyl Orthosilicate, and Diethyl Carbonate in Friedel-Craft's Syntheses. (Lowy)

118. LAWTON, Howard Champreux. The Recombination of Hydrogen Atoms. (Robinson)

1937

119. BAMBAS, Louis Ludwig. The Respiration of the Pneumococci with Special Reference to the Dehydrogenase System. (King)

120. DUNKELBERGER, Tobias Henry. Integral Heats of Dilution, Relative Partial Molal Heat Contents and Heat Capacities of Aqueous Cadmium Sulfate Solutions. (Robinson)

121. GREEN, Melvin William. A Study of the Chemistry of Cascara Sagrada. (King)

122. HARRIS, Edward Lee. Preparation of Derivatives of 4-Phenyl Salicylaldehyde. (Lowy)

123. LYMAN, Carl Morris. Studies on Vitamin C. Relationships to Biological Oxidations and Diphtheria Toxin. (King)

124. MUSULIN, Rade Rade. Studies on Vitamin C Analysis.

125. PHILLIPS, Joseph. The Electrolytic Reduction of Trinitro Aromatic Compounds to Their Respective Triamines and the Titration of Aromatic Amines with Nitrous Acid. (Lowy)
126. SIGAL, Alex. Studies of Vitamin C. Relationships of Vitamin C and Diphtheria Toxin to the Glucose Tolerance of Guinea Pigs. (King)

1938

127. BERMAN, Nathan. Reactions of Trialkyl Phosphates, Alkyl Acetates, and Tertiary Butyl Hypochlorite in the Friedel-Crafts' Syntheses. (Lowy)

128. GOODMAN, Henry Gaines. Friedel-Crafts' Reactions on Meta-Diphenylbenzene. (Lowy)

129. KLEIBACKER, Wilson McAlarney. Chemical Reactions of Thiophthalic Anhydride. (Lowy)

1939

130. ALBERT, William Charles. The Electrochemical Reduction of Furfural. (Lowy)

131. CLARKE, Theodore H. The Heat of Formation of Sugars. (Stegeman)


133. NORRIS, Frank Arthur. The Synthesis and Hydrolysis of Optically Active Monopalmitin. (King)

134. O'BROCHTA, John. Thio Compounds Derived from Aroyl Orthobenzoic Acids. (Lowy)

1940


136. DODDS, Mary Letitia. The Catalytic Oxidation of Ascorbic Acid. (King)

137. EPELBERG, Jack J. The Alkylation of Biphenyl Using Alkyl Sulfates in Friedel-Crafts' Syntheses. (Lowy)

138. HARRER, Carter John. Ascorbic Acid in Tissue Respiration and Isolated Enzyme Systems. (King)

139. LIDDELL, Robert William. A Study of the Chemistry of Cascara Sagrada. (King)


141. SILVERBLATT, Ethel. A Study of the Copper Catalyzed Oxidation of Ascorbic Acid. (King)

142. SUN, Kuan-Han. Tantalum Glass: K₂O.Ta₂O₅.SiO₂ Series. (Silverman)
1941

143. BIANCULLI, Joseph Amedeo. p-(p-Aminophenyl)-Benzenesulfonamide and Derivatives. (Lowy)


145. JACK, George William. The Heat Capacities and Entropies of Two Monosaccharides. (Stegeman)

146. MIRON, Simon. Preparation of Bis-(Substituted Aryloxy)-Methanes. (Lowy)

147. RAY, Gardner Cleveland. Reactions of Ketene. (Lowy)

148. SAFFORD, Hurd Winter. Alumina-Silica Relationship in Glass. (Silverman)

149. VAN METER, Clarence Taylor. p-(p-Aminophenyl)-Benzenesulfonamide and Derivatives. (Lowy)


1942

151. ABRAMS, Ellis. Derivatives of Meta-Diphenylbenzene. (Lowy)

152. FONTAINE, Thomas Davis. The Quantitative Determination of the Amino Acids of Cottonseed Globulin. (Lowy)

153. KAPFF, Sixt Frederick. Effect of an Aluminum Chloride Treatment on the Composition and Properties of Pennsylvania Type Lubricants.

154. NICKELS, Joseph Edward. High Temperature Destructive Alkylation of Cyclic Hydrocarbons with Gaseous Paraffins Under Pressure. (Baldwin)

155. SOLOMON, Sister Miriam Grace. Some Derivatives of (a) Trimethylgallaldehyde, (b) Trimethylgalloyl Chloride. (Lowy)

156. WALSTON, Wayne Ervan. A Study of the Electrolytic Oxidation of Acenaphthene. (Lowy)

1943

157. BALDWIN, Arthur Richard. Several Aspects of Fat Metabolism in Guinea Pigs and Rats. (Longenecker)
158. DONIA, Robert Alan. The Effect of Substitution in Anthraquinone-2-Azo Dyes. (Longenecker)

159. DRAKE, Billy Blandin. A Study of the Oxidations of Tyrosine and Tryptophane Including Potentiometric Measurements. (Smythe)

160. FRICKE, Howard Henry. Preparation and Properties of Some Synthetic Monounsaturated Fatty Acid Glycerides. (Longenecker/Daubert)

161. JACKSON, Frank Lawrence. Synthetic Glycerides: Preparation and Properties of a Series of Symmetrical Mono’leo-Disaturated Triglycerides. (Longenecker)

162. KUIKEN, Keeneth Alfred. I. A Study of Guinea Pig Nutrition with Reference to the Need for Unknown Dietary Factors. II. A Study of the Effect of Deficiencies in Copper and Iron on the Catalase Activity of Rat Tissues. (Schultze)

163. LAWRENCE, John McCune. The Purification and Properties of the Liver Enzyme Which Causes the Production of Hydrogen Sulfide from Cysteine. (Smythe)

164. MCKINLEY, Joseph Burns. The Thermal Polymerization and Cyclic Dimerization of Isobutylene.

165. MORGAN, Marcus S. A Study of Some Derivatives of cis-3,6-Endomethylene-)4-Tetrahydrophthalic Anhydride. (Dull)

166. NEUBECK, Clifford Edward. Glutathione: A Study of Its Reactions Including Enzymatic Hydrolysis. (Smythe)

167. RIESER, Raymond George. Polarographic Investigation of Glutathione, Cysteine, and Ascorbic Acid. (Smythe)

168. SPIEGL, Charles J. Unsymmetrical Triglycerides of the Diolein Series. (Longenecker)


170. WEAVER, Welcome I. A Study of Morpholinomethyl Derivatives of Urea and Substituted Ureas.

171. WILSON, Alexander Logan. Ethylenimine Dimer and Certain Analogues. (Lowy)

1944

172. ANDERSON, John Ray. Non-Benzenoid Hydrocarbons in Refined Coke-Oven Benzol. (Engelder)
173. CRAIG, Raymond Scott. The Heat Capacity and Entropy of L-Ascorbic Acid. (Stegeman)
174. FENG, Kuo-Chih. Certain Aspects of Biological Synthesis of Ascorbic Acid in Rats. (McCoy)
175. FILER, Lloyd Jackson. A Study of Chemical Changes Occurring During Fat Autoxidation. (Longenecker)

1945

176. KAPLAN, Ephraim Henry. The Characterization of Products of Coal Hydrogenation. (Daubert)

1946

177. GRIM, J. Marshall. The Thermal Polymerization of 2-Vinylnaphtalene. (Baldwin)
178. PURVIS, Sarah Ellen. Chemical Studies Related to Blood Formation. (McCoy)

1947

180. FISCHER, Marie Augusta. An Investigation of the Electrophoretic Changes Accompanying the Inactivation of Tobacco Mosaic Virus by Treatment with Formaldehyde. (Lauffer/Wallace)
181. ROBBINS, Thomas Ennis, Jr. The Preparation of Certain Nitrothiocyanophenols.
182. SPEIER, John Leopold, Jr. Some Alpha-Substituted Organo-Silicon Compounds: Their Synthesis, Derivatives, and Properties. (Daubert)
183. STEFL, Eugene Paul. The Reaction of 2-Nitropropane with Acid Anhydrides.

1948

184. DONIN, Milton Norman. The Biological Specificity of Biotin: An Approach to the Synthesis of the Cyclopentane Analogue of Biotin. (Hofmann)
185. FINEMAN, Morton A. Heats of Formation and Some Derived Thermodynamic Properties of Sodium Chloride-Sodium Bromide Solid Solutions. (Wallace)
186. GOODWIN, John Thomas, Jr. The Use of Sodium in the Preparation of Methylene-Linked Silanes.
187. OFFUTT, William Franklin. Heats of Dilution of Aqueous Solutions of Four Amino Acids. (Robinson)
188. ROTHERMEL, Joseph Jackson. X-Ray Absorbing Phosphate Glass: PbO-WO₃-P₂O₅ System. (Silverman)


1949

190. BEACHAM, Harry Hoyt, Jr. The Interaction of Carbohydrates and Amines as Related to the Browning Reaction. (Dull)

191. DAVIS, William Donald. Heats of Formation of Sodium Borohydride, Lithium Borohydride, and Lithium Aluminum Hydride. (Stegeman)

192. DOERSCHUK, Albert Peter. Low Temperature Solvent Fractionation of Corn Oil; Calculation of Its Glyceride Structure. (Daubert)

193. HIGBIE, Howard Ernest. Some Thermal Relations in the System Sucrose-Water. (Stegeman)


195. MITZ, Milton A. Studies on the Mode of Action of Biotin. (Hofmann)

196. NATHAN, Charles Carb. The Heat of Combustion of Boron and Lithium Borohydride. (Stegeman)

197. SKURCENSKI, Anton. A Comparative Study of Some Isomeric Quinoline-Azo Compounds. (Baldwin)

198. SPINDT, Roderick S. The Chemistry of Some Olefin Sulfurization Products.


200. WOOLFOLK, E. Oscar, Jr. A Study of Some Oxygenated Compounds Produced by the Hydrogenation of Coal.

1950


202. BOODMAN, David Morris. The Heat Capacities and Entropies of Sodium Borohydride and Lithium Borate. (Stegeman)

203. BOWMAN, Robert Samuel. Steric and Resonance Effects in the t-Butyl and Isobutylphenols. (Baldwin/Stearns)
204.BUCK, Thomas M., Jr.  The Heats of Formation of Certain Magnesium-Cadmium Alloys at 25EC.  (Wallace)

205.FARRAR, Martin Wilbur.  The Acylation of Certain Thiophene and Furan Derivatives.  (Levine)

206.FELDMAN, Julian.  The Separation of 1- and 2-Methylnaphthalenes by Azeotropic Distillation.  (Hofmann)

207.KETCHEN, Eugene E.  Heats of Formation of Sodium-Potassium Alloys at 25EC.  (Wallace)

208.KLEIN, Ralph.  A Tracer Study of the Thermal Decomposition of Cellulose Nitrate and an Experimental Approach to the Mechanism of Propellant Burning.  (Robinson/Vonelbe)

209.MAGEE, Margaret Zerelda.  Contribution to the Synthesis of Peptides of High Molecular Weight.  (Hofmann)


211.REGGEL, Leslie.  Synthesis of Benz[j] Fluoranthene and Benz[k] Fluoranthene.  (Hofmann)

212.ROSENFELD, Robert Samson.  Contributions to the Chemistry of Limonin.

213.SCHEPARTZ, Abner Irwin.  The Isolation, Identification, and Synthesis of Reversion Compounds in Hydrogenated Soybean Oil.

214.STAPF, Robert Joseph.  The Isolation and Identification of Reversion Compounds in Soybean Oil.  (Daubert)

215.TRUMBORE, Forrest A.  Free Energies of Formation of Magnesium-Cadmium Alloys between 270E and 300EC.  (Wallace)

216.WENDER, Irwin J.  A Study of the Oxo and Related Reactions.  (Levine)

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217.BERK_Z, Mehmet Belig.  Studies on the Synthesis of Unsaturated 2-Monoglycerides.  (Daubert/Hill)

218.BROWNING, Luther Cannon.  Equilibria in the Systems Fe$_2$C-Fe-CH$_4$-H$_2$, Fe$_2$C-Fe-CH$_4$-H$_2$ and C-CH$_4$-H$_2$.  (Robinson/Emmet)

219.DICKEL, Daniel Frederick.  Studies of Bound Forms of Biotin in Yeast and Liver.  (Hofmann)

220.GERHARDT, George W.  Thermal Stabilizers for Some Resins Which Contain Chlorine:
Identification of a Stabilizer Extracted from Coal-Tar Bases.

221. HONN, Francis Jerome. The Autoxidation of Drying Oils. (Daubert)


223. KOONTZ, Donald Eldridge. Some General Chemistry of Molybdenum(IV) and Molybdenum(V) in Non-aqueous Systems. (Nicholson)

224. LEWIS, Alexander, Jr. A Study of the Selenium Dehydrogenation of Cyclohexane. (Baldwin/Hanson)

225. LUCAS, Robert Armistead. The Chemical Nature of the Fatty Acids of Lactobacillus arabinosus. (Hofmann)

226. MARTIN, Charles J. The Isolation, Identification and Synthesis of Flavor Components in Reverted Soybean Oil. (Daubert)

227. MERKER, Dwight Raber. Surface Film Studies on Monoglycerides and Triglycerides. (Daubert)

228. MINFORD, James Dean. Factors Affecting the Production of Coproporphyrin in Yeast. (McCoy)


231. SATTERTHWAITE, Cameron B. Low Temperature Heat Capacity and Related Properties of an Alloy of Cadmium and Magnesium. (Craig)

232. SNEED, James Knight. A Study of the Reactivity of Certain Esters in the Claisen Condensation.

1952

233. BARKLEY, Lloyd Blair. A Study of the Synthesis of Certain Fluorinated Carbonyl Compounds. (Levine)

234. BARRETT, Wayne Thomas. A Study of Sodium Chloride-Potassium Chloride Solid Solutions. (Wallace)

235. BODE, J. Daniel. Derivative Polarography, the Two-Electrode Method. (Safford)
236.CHARLES, Robert George. Structure and Behavior of Some Chelating Agents of Analytical Significance. (Freiser)

237.DAVIS, Claude Manning. Adsorptimetric Study of Metallo-Organic Complexes in the Ultraviolet-Visible Spectral Regions. (Safford)

238.FUGGER, Joseph John, Jr. Analysis of Fatty Acid Autoxidation Products by Countercurrent Distribution Methods. (Daubert)

239.GENSER, Milton. The Heat Capacities, Entropies, and Free Energies of Formation of Lithium Borohydride and Sodium Borohydride. (Mason)


241.HANNAN, Roy Barton, Jr. The Molecular Structure of Dicayanoacetylene. (Klug)

242.HARRISON, James Beckman. The Autoxidation of Isolinoleic Acid. (Daubert)

243.KLINE, Richard Henry. Some Studies Relating to the Browning Reaction. (Dull)

244.PILAT, Howard Lionel. Preparation of Characterization of Surface Active Compounds. (Daubert)

245.WILT, Myron H. The Pyridylethylation of Ketones. (Levine)

246.ZABOR, Robert Charles. Hydrocarbon Adsorption of Synthetic Silica-Alumina.

1953


248.COFFER, Lynn Wallace. Low Temperature Heat Capacities and Related Properties of Pure Magnesium, MgCd₃ and Mg₃Cd. (Wallace)

249.GOLDBERG, Newton Nathaniel. A Study of the Acylation of Certain Methylated Tar Bases. (Levine)


251.MINN, James. Studies of Corn Oil Phosphatides. (Daubert)

252.SAX, Sylvin M. The Chemical Nature of the Fatty Acids of Lactobacillus casei. (Hofmann)
253. SILBERT, Leonard Stanton. The Heats of Formation and Transition of Isomeric Monoglycerides. (Daubert)

254. STEINBACH, John Franklin. Acetyl Acetone as an Analytical Extraction Agent. (Freiser)

1954

255. BEHNKE, Walter Eric. Contributions to the Chemistry of Cyclopropane Compounds. (Hofmann)

256. CARUSO, Sebastian Charles. Surface Film Studies in Isomeric Diglycerides. (Daubert)

257. FLINN, Richard Alfred. The Thermal Expansivities and Kinetic Behavior of Some Magnesium-Cadmium Alloys in the Order-Disorder Range. (Wallace)


259. MATTHEWS, Joseph S. Structure of the Dimeric Acid Produced during the Carbonation of Grignard Reagents from Primary Propargylic Bromides. (Wotiz)

260. MELNICK, Laben Morton. Extraction of Metal Thiocyanate Complexes with Tri-n-Butyl Phosphate. (Freiser)


262. SWICKLIK, Leonard Joseph. The Kinetics of Hydrogenation of Triglycerides. (Daubert)

1955


264. COARK, William Sidney. The Low Temperature Atomic Heats of Copper, Silver, and Gold; and Vanadium in the Superconductive State. (Wallace)

265. DIETZ, Paul Luther, Jr. Studies on the Linear Crystallization Velocity of Sodium Acetate in Supersaturated Solutions. (Hollingsworth)

266. GREENFIELD, Harold. The Reaction of Acetylenic and Allenic Compounds with Cobalt Carbonyls. (Wotiz)

267. INGRAM, Alvin Richard. Contributions to the Synthesis of Peptides. (Hofmann)

268. JOHNSTON, William Vanderbilt. An Adiabatic Vacuum Calorimeter for the Range 15E to
290EC and the Heat Capacities and Related Properties of Mg\textsubscript{3}Cd and MgCd\textsubscript{3}. (Wallace)

269.KRIER, Carol Alnoth. Low Temperature Heat Capacity of Potassium and Na\textsubscript{2}K. (Craig)


271.McGRATH, Thomas Frederick. A Study of the Reactions of Certain Halogenated Acids and Esters with Organolithium Compounds. (Levine)

272.OSUCH, Carl. The Alkylation and Acylation of Certain Tar Bases.


274.TAUSIG, Fred. The Chemical Nature of Fatty Acids of Microbiological Origin.

275.TABER, Joseph John. An Investigation of the Possibility of the Separation of Triglycerides by Countercurrent Distribution.

276.WALTER, Joseph Lawrence. The Evaluation of Some Related Heterocyclic Compounds as Analytical Reagents for Metals.

1956

277.DESSY, Raymond Edwin. The Kinetics and Mechanism of the Reaction of 1-Alkynes with Organomagnesium Compounds. (Wotiz)

278.DRUSHEL, Harry Vernon. Spectrophotometric Investigation of the Iodine Complexes of Some Organic Sulfur Compounds. (Safford)

279.DURAND, Harry Walter. A Study of D-Glucose Polymerization. (Dull)

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281.HARKINS, Thomas Regis. The Chelating Tendencies of Some Compounds of Biochemical Interest. (Freiser)

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971. DOHNALEK, Zdenek. Chlorine Chemistry of Silicon(100) Surfaces, (Yates).

972. DRESSMAN, Shawn. Voltammetry in Supercritical CO₂ and in the Rat Striatum Using Microelectrode Devices (Michael)

973. DUNLAVY, Deanna. The Collision Energy Dependence of the Penning Ionization of Nitrogen Molecules by Metastable Helium as Determined by Electron Spectroscopy (Siska)


977. HOLTZ, John. Development of Responsive Polymerized Crystalline Colloidal Arrays for Sensing Applications (Asher)


979. LIU, Hong, “Sulfur Based Synthetic Methodology”, (Cohen).
980. PARK, Sang-Hee Ko. Activation of Monoarenes and Polyarenes in Hydrocarbons by Carbonylmetallates, (Cooper).

981. SCIERKA, Stephanie. Determination of the Surface Coverage and Distribution of Cr Oxidation States in Cr/Al₂O₃ Catalysts (Hercules)

982. UTZ, Tracy. Synthesis, Structural Analysis, and Reactivity of Manganese(-1) and Iron(0) and Cobalt(+1) Homoleptic Isonitrile Complexes (Cooper)


984. XU, JinYou. Intramolecular Hydrogen Transfer Reactions (Curran)


987. ZAFAR, Abdullah. Self-Assembling Structures Based on Hydrogen Bonding Subunits, (Hamilton)

988. ZHENG, Zhizhen. On the Mechanism of the Anticlotting Action of Vitamin E Quinone (Dowd)


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991. ARFORD, Debra. C-C Bond Formation Between Arenes by Reductive Activation of [Mn(arene)(Co)₃]⁺ Complexes, (Cooper).


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998. KERNS, Jeff.  Vitamin K Analogs and Their Action Against Hepatocellular Carcinoma: A Case for Tyrosine Phosphatase Inhibitions, (Wilcox).

999. KURNIKOVA, Maria.  Dynamics of Polar Molecules and Ions in Solutions and Membrane Channels.  (Coalson)

1000. WOVCHKO, Edward.  Bond Activation in Molecules Using Photochemically Generated Catalyst Sites – Rh¹(CO)₂Al₂O₃ Chemistry, (Yates).  (All are in alphabetical order except this one because he was our 1000th PhD.)


1003. MAYHUGH, James.  Electronic Spectroscopy of Clusters that Exhibit Large Amplitude Internal Motions, (Janda (Siska)).

1004. MORRIS, Hanna.  Fluorescence and Raman Chemical Imaging Studies of Thin Film Coated Thermoplastic Olefins, (Treado).


1014. VAIDYANATHAN, Nithya. An AFM Investigation of the Effect of Surface Roughness on the Wetting Properties of Modified Polyurethane Polymers. (Hercules)

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1017. CARR, Andrew. Gelation of Fluorinated Solvents and Supercritical CO₂ by Hydrogen Bonding Molecules. (Hamilton)


1021. JUNG, Jae-Kyu. Total Syntheses of Diepoxin σ and Related Natural Products. (Wipf)

1022. KONDRU, Rama. Assignment of Absolute Stereochemistry by Computation of Optical Rotation Angles. (Beratan)


1024. LI, Shu. Capillary Electrophoresis: From Sample Preparation to Separation. (Weber)

1025. MOHNEY, Brian. Protein Conformation and Dynamics of Nitric Oxide Binding to Proteins Investigated by Circular Dichroism and Time-Resolved Absorption Spectroscopy. (Walker)
1026. NKAMBULE, Comfort. The Design and Synthesis of Molecular Armatures for Use in the Synthesis of Functionalized Nanotubes, (Wilcox).


1028. PAJCINI, Vasil. Ultraviolet Raman Single Crystal Studies of Dipeptide Excited States and Electronic Transition Moment Orientations and Development of an Ultraviolet Raman Microspectrometer. (Asher)

1029. RIBBLETT, Jason. Electronic Transition Moment Orientations in Some Substituted Benzenes. (Pratt)

1030. STEVENSON, Margaret. The Synthesis and Characterization of Tungsten Alkylidynes as Building Blocks to Metal-containing Polymers. (Hopkins)

1031. SUKHAREVSKY, Alex. Time-Resolved Studies of the Dynamics of Intermolecular Interactions in Polar Solvents and Restricted Environments, (Waldeck).


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1034. BOM, David. Implementation of a Radical Cascade Cyclization in Drug Discovery: Total Synthesis of the Silatecans and Homosilaecans. (Curran)

1035. CARDENAS, Alfredo. Theoretical Studies in Multidimensional Quantum Systems and Ionic Permeation Through Biological Channels. (Coalson)

1036. FISHMAN, Vyacheslav. Mass Spectrometry for Fundamental Studies. (Grabowski)


1038. HANEY, Brian. Studies of Tandem Radical Cyclizations: Synthesis of a Nitrile-based Model System for Crinipellin A and the Total Synthesis of (±)-Gymnomitrene and (±)-Iso-Gymnomitrene. (Curran)

1039. ISERLOH, Ulrich. Free Radical Chemistry: New Synthetic Methods and Studies Towards
Penitrem D. (Curran)

1040. KIM, Sun Young. Detailed Studies on Fluorous Tin Compounds and Combinatorial Approach to the Synthesis of Discodermaolide Analogs. (Curran)

1041. KLINE MUNRO, Nicole. Microfabricated Devices for Clinical Applications. (Landers/Walker)

1042. LI, Wenjie. Studies Towards the Total Synthesis of Tuberostemonone: Formation of Nine-membered Keto-lactams Via an Oxidative Ring Expansion of 4-Hydroxyhydroindoles. (Wipf)

1043. LIU, Weidong. Tandem Radical Reactions and Chirality Transfer in the Radical Cyclization of Axially Chiral Amide. (Curran)

1044. LUO, Zhiyong. Solution Phase synthesis of Small Molecules Using Fluorous Reagents, Catalysts and Protecting Groups. (Curran)

1045. RUSU, Camelia. Photochemistry on TiO₂. (Yates)


1047. TRIPA, Cornel-Emil. Special Adsorption and Reaction Effects at Step Defect Sites on Platinum Single Crystal Surfaces. (Yates)

1048. VEAUTHIER, Jacqueline. Dienyl Magnanese Carbonyl Complexes Prepared from Reduced Hapticity Polyaromatic Hydrocarbon Complexes of Manganese: The Fused Dienyl Effect. (Cooper)

1049. VILA, Fernando. Electron Molecule Interactions. (Jordan)

1050. WANG, Chengfei. Intra- and Inter-molecular Electron Transfer and Vibrational Coupling Studied by Ultrafast Spectroscopy. (Walker)

1051. YANG, Jaemoon. Design and Synthesis of Conformational Isomers for Bioorganic and Combinatorial Chemistry Studies. (Wilcox)

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1052. BAO, Jian. Highly Reduced Group VI Metal Carbonyl Complexes and Their Reactions with Electrophiles. (Cooper)

1053. BELL, Stephen. Main-group and Transition-metal Mediated Processes for the Formation of C=N and C-O bonds. (Meyer)

1054. BORST, David. Ultra High Resolution Spectroscopy of Large Polyatomic Molecules.


1057. HILFIKER, Mark. Developments in Asymmetric Catalysis Toward the Total Synthesis of Laulimalide. (Nelson)

1058. KNOWLES, David. Non-Thiol Inhibitors of Farnesyltransferase and Geranylgeranyltransferase-I. (Hamilton)

1059. KORTER, Timothy. Investigation of Structure, Charge Distribution, and Internal Motions in Gas Phase Solute-Solvent Clusters. (Pratt)


1061. MAWHINNEY, Douglas. Infrared Studies of Adsorption and Reaction Processes on High Surface Area Materials. (Yates)

1062. PETERS, Jennifer. Experimental and Theoretical Investigation of Striatal Dopamine Concentration Measured by Voltammetry and Microdialysis. (Michael)

1063. RIVKIN, Alexey. Samarium Diiodide Mediated Tandem Radical-Ionic Reactions: Model Studies Towards the Total Synthesis of Penitrem D. (Curran)

1064. SHAO, Li. Reductive Activation of Arene, Cyclohexadienyl and Tropylium Complexes of Early Transition Metals: Mechanisms and Reactivities. (Cooper)

1065. STECKEL, Janice. Theoretical Studies of Chemical Reactions on Surfaces and on Fullerene Models. (Jordan)

1066. STEPANEK, Janet Asper. The Design and Synthesis of an Artificial Phosphotyrosine Receptor. (Wilcox)

1067. UTO, Yoshikazu. Total Synthesis and Stereochemical Assignment of Lissoclinum Metabolites: Trunkamide A and Bistramide C. (Wipf)

1069. WARD, Matthew. Transition Metal Complexes as Agents to Bind and Release Nitric Oxide. (Shepherd)

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1070. BEMIS, Jason. Molecular Level Polymer Dynamics at Surfaces Investigated by Single Molecule Force Spectroscopy. (Walker)

1071. BODLAKI, Dora. Nonlinear Optical Spectroscopy, Dynamics and Reactivity of Buried Semiconductor Interfaces. (Yates)

1072. BURLAND, Matthew. Transition Metal and Main Group Imine Meathesis Catalysts. (Meyer)


1074. HOPKINS, Corey. Studies Toward the Total Synthesis of Naphthyridinomycin/Bioxalomycein Antitumor Antibiotics. (Wipf)

1075. KULAGINA, Nadezhda. Microsensors for Monitoring Chemical Communications between Brian Pathways. (Michael)


1077. NAPPER, Andrew. Electron Transfer through Thin Organic Films and Highly Curved Donor-Bridge-Acceptor Molecules. (Walker)

1078. OZDEMIIR, Abdil. Structural Studies of Peptides by UV Resonance Raman and Mass Spectrometry. (Grabowski)


1080. POPOVA, Irene. On the Mechanism of Al Oxidation. (Yates)

1081. RECTOR, Stacy. The Total Synthesis of the Stemona Alkaloid (-)-Tuberostemonine. (Wipf)

1082. REEVES, Jonathan. Total Synthesis and Structure-Activity Studies of Marine Natural Products”. (Wipf)

1083. STRINGFIELD, Thomas. Tungsten(0), Palladium(II), and Ruthenium(II) Complexes with Bio-Compatible Ligands for Potential Antitumor or Antiviral Applications. (Shepherd)
1084. WANG, Xiaodong. Development of New Methodologies in Organometallic Chemistry and Combinatorial Synthesis. (Wipf)

1085. WARD, Rachel. Synthesis and Characterization Of Polyaniline Derivatives. (Meyer)


1087. YANG, Hua. Quantitative Investigation of Extracellular Dopamine Concentration in Rat Striatum by Simultaneous Voltammetry and Microdialysis. (Michael)

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1093. GEARY, Caroline. Electrochemical Investigation of Metal Ion Complexations for Use in Analytical Applications. (Weber)

1094. KHAN, Amina. Voltammetry as a Tool for Monitoring Dopamine Regulation in the Striatum. (Michael)

1095. KREETHANDUMRONGDAT, Thanapong. Mechanistic and Synthetic Studies of Organolithiums. (Cohen)

1096. MENZ, Terri. Poly(amino acids) for Drug and Gene Delivery. (Chapman)

1097. MEZHENNY, Serge. Nanostructuring and Imaging by STM. (Yates)

1098. REESE, Chad. Development of a Biophysical Reactor for Pharmacodynamic Studies of Taxol Using Field Flow Fractionation. (Asher)

1099. STAN, Magadalena. Efficient Asymmetric Construction of Building Blocks for Natur5al
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1100. WANG, Feng. A Drude Model Approach to Dispersion Interactions in Dipole-bound Anions. (Jordan)

1101. ZHANG, Qisheng. Fluorous Mixture Synthesis Approach to Natural Product Stereoisomers: Synthesis of Both Enantiomers of Pyridovericin and Mappicine and Eight Isomers of Murisolin. (Curran)

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1106. CHRISTIE, Richard. Theoretical Studies of Hydrogen-Bonded Clusters. (Jordan)

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1008. DENG, Kai. Sulfur Based Cyclizations by Intromolecular Carbomiteallation and Applications to Natural Product Synthesis. (Cohen)

1009. JOO, Beomjun. Synthetic Studies toward Biologically Active Quinones and Alkaloids. (Wipf)

1110. KASSICK, Andrew. Catalytic, Asymmetric Acyl Halide-Aldehyde Cyclocondensations in Complex Molecular Synthesis and Application to the Installation of Stereocenters. (Nelson)

1111. KENDALL, Christopher. Hydrozirconation/Zr-Zn Transmetalation/Aldimine Additions: One-pot Synthesis of Allylic, C-Cyclopropylalkyl, and Homoallylic Amines from Alkynes. (Wipf)

1113. LEE, Christopher. Synthesis and Studies Directed Toward Multidrug Resistance Modulating Natural Products. (Floreancig)

1114. LEE, Jae-Gook. Studies of Molecular-assembly on Metal Surfaces Using Surface Science Techniques. (Yates)

1115. LEE, Keri. Synthesis and Characterization of Dendritic Poly(L-lysine) Based Polymers for Use in Tissue Engineering. (Chapman)

1116. LIN, Mingxiang. Application of Ion-Molecular Reactions to Structure Characterization and Thermochemical Property Measurements. (Grabowski)

1117. MALECKAR, Susan. The Synthesis, Characterization and Evaluation of Lysine-Based Dendrimers as Surfactants and Emulsifiers – Potential Artificial Blood Solubilization. (Chapman)

1118. MAUER, Marta. Photochemical Control of Photonic Crystal Diffraction. (Asher)

1119. RIBE, Seth. Synthetic and Mechanistic Studies in Asymmetric Organozirconium Chemistry. (Wipf)

1120. SECREST, Patricia. Photochromism of d1-d1 Oxo Bridged Dinuclear Complexes. (Cooper)

1121. SKILLMAN, Charles. Hydraamphiphiles: Poly(ethylene glycol)-Supported Polylsine Dendrimers as Biocompatible Surfactants. (Chapman)

1122. WEI, Jianjun. Heterogeneous Electron Transfer of Supramolecular Assemblies. (Waldeck)

1123. YE, Tao. Structure, Dynamics, and Reactivity of Molecular Assemblies at Interfaces. (Borguet)

1124. ZUBKOV, Tykhon. Bonding and Chemistry of Small Molecules Chemisorbed on Atomically-Steped Metal Surfaces. (Yates)

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1126. BORLAND, Laura. Studies into the Accuracy of Chemical Measurements in the Brain: New Insights into Dopaminergic Mechanisms by Fast-Scan Cyclic Voltammetry and Microdialysis. (Michael)

1127. BYL, Oleg. Investigation of Adsorption, Reaction and Confinement of Molecules in
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1128. HABAY, Stephen. The Synthesis and Characterization of Water Soluble Hydrazone-Based Nanostructures of Designed Three-Dimensional Architectures. (Schafmeister)


1130. HOPKINS, Tamara D. Studies in Natural Product Chemistry: Synthesis of Palmarumycin CP, Analogos and Total Synthesis and Structure Validation of (+) – Bistramide C. (Wipf)

1131. KANG, Cheolhwa. Structures, Charge Distributions, and Dynamical Properties of Weakly Bound Complexes of Aromatic Molecules in their Ground and Electronically Excited States. (Pratt)

1132. LAPIERRE, Andre. Chirality Transfer in 5-exo cyclizations of Axially Chiral o-iodoanilides. (Curran)

1133. LIU, Hanbin. Improved Sampling in Monte Carlo Simulations of Small Clusters. (Jordan)

1134. LIU, Min. Electron Transfer Through u-shaped Donor-bridge-acceptor Molecules and Fluorescence Quenching of Conjugated Polyelectrolyte. (Waldeck)

1135. MA, Gil. Design and Synthesis of Organic Molecules with New Physical and Biological Properties. (Wipf)

1136. MEADOWS, Pamela. The Mechanical Unfolding of Fibronectin using Atomic Force Microscopy and It’s Relevance to Biocompatibility Studies. (Walker)

1137. NGUYEN, Tri. Spectroscopy of Biomolecules in the Gas Phase. (Pratt)

1138. RECH, Jason. The Development of an Electron Transfer Initiated Cyclization Approach Toward the Total Synthesis of Mycalamide B. The Synthesis of the N7-C25 Fragment of Psyberin. (Floreancig)


1140. SCOTT, Colleen Gilles. Synthetic Developments in Organic and Supramolecular Chemistry. (Wilcox)

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1142. SHIN, Youseung. Total Synthesis of the Macrolactone Anticancer Agent Dictystatin and Analogs.  (Curran)


1145. SUN, Yujie. Mechanics of Particle and Polymer Assemblies.  (Walker)


1147. TIVANSKI, Alexei. Spatially and Temporally Resolved Studies of Electron Transfer Reactions in Solutions and Thin Organic Surfaces.  (Walker)

1148. TRIPP, Jonathan. Stereochemistry of Hexenyl Radical Cyclizations with tert-Butyl and Related Large Groups: Substituent and Temperature Effects.  (Curran)

1149. TSAI, Ming-Kang. Theoretical study of salvation of ions by argon atoms.  (Jordan)


1151. YI, John T. High Resolution Electronic Spectroscopy of Large Polyatomic Molecules: Structures, Interactions and Electronic Distributions.  (Pratt)

1152. YOU, Lingfeng. I. Synthetic efforts towards ingenol.  II. Cross-conjugated Trienes and Their Application to Rapid Increase in Molecular Complexity.  (Bummond)

1153. ZHAO, Hong. Molecular Selectivity in Fluorous Media and Determination of Barbiturates with Capillary Electrophoresis (CZE and MEKC).  (Weber)

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1154. BIRD, Gregory. Applications of Bis-amino Acid Oligomers.  (Schafmeister)

1155. COPENHAFER, James. Synthesis and Characterization of Poly (9,9-dihexylfluorene-mb-methylene)\(s\).  (Meyer)

1156. GOPALARATHNAM, Apsara. Efforts towards the Total Synthesis of Amphidinolide B.  (Nelson)
1157. GRAHAM, Thomas H.  Synthesis of Oxazole-containing Natural Products.  (Wipf)

1158. JUNG, Moon Chul.  Optimization of Photoluminescence-following Electron-transfer with Tris(2,2’-bipyridyl)Os(II) and Application to the Determination of Dopamine, Seratonin and Carbidopa in Brain Microdialysate.  (Weber)

1159. LEVINS, Christopher.  A Building Block Approach Toward Nanoscale Molecular Scaffolds.  (Schafmeister)

1160. MAMANOV, Artem B.  Modeling Ion and Water Permeation through Narrow Biological Channels.  (Coalson)

1161. MENG, Rong.  Studies of Cu(II) Complexes of Bioactive Peptides.  (Weber)

1162. THOMPSON, Tracy L.  Photocatalysis on Titanium Dioxide Surfaces.  (Yates)


1164. WALKER, Jeremy.  Development of Photonic Crystal Hydrogel Sensors for Organophosphates and Ammonia.  (Asher)

1165. WASMUTH, Andrew.  Utility of the Catalytic, Asymmetric AAC Reaction in Natural Product Synthesis.  (Nelson)

1166. XIAO, Jingbo.  From Chemical Methodologies Development to Biological Targets: Synthesis and Applications of (E)-Alkene and Cyclopropane Peptide Isosteres.  (Wipf)

1167. YANG, Fanglong.  Total Synthesis of Purealin and its Analogs; Synthesis of Lagunapyrone B and its Isomers with Fluorous Mixture Synthesis.  (Curran)

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1168. ALBERT, Brian.  Chemical and Biological Studies of Antitumor Natural Product FR901464 and the Development of the Silver/Zirconium-Promoted Alknylation Reaction.  (Koide)

1169. ALVAREZ, Leonardo.  Molecular Excited State Dynamics via High Resolution Electronic Spectroscopy in the Gas Phase.  (Pratt)

1170. AMS, Mark.  Intramolecularly Sensitized Precipitons: Efforts toward Metal Scavenging and Solubility Control.  (Wilcox)

1171. BACA, Justin.  Point of Care Sensors for Diabetes and Myocardial Ischemia.  (Asher)
1172. BHAYANA, Brijesh. Diffusion and Reaction in Spos and Noncovalent Interactions in Water. (Wilcox)

1173. CHEN, Zhi. High-throughput Methods to Determine Intermolecular Association and Lipophilicity. (Weber)

1174. CUI, Jun. Vibrational Spectra and n-Body Decomposition Analyses of Water Clusters. (Jordan)

1175. DIRI, Kadir. Theoretical Studies of Dipole-bound Anions and Small Water Clusters. (Jordan)

1176. FORTNEY, Carol. Ligands Designed for Ruthenium Nitrosyl Transport. (Douglas)

1177. JAYASURIYA, Nilukshi. Asymmetric Alkenyl Zirconocene/Zinc Additions to Aldehydes and Synthetic Efforts Toward Pseudotrienic Acid A. (Wipf)

1178. KAUR, Pawlinder. Aggregation of Conjugated Polyelectrolytes in Dilute Solutions and Transmission Spectroscopy Based on Metal Nanoslit Arrays. (Waldeck)

1179. KELLER, Adam. Homolytic Aromatic Substitution, Conformational Dynamics of Dihydrophenanthridines, and Amide Synthesis with Fluorous Technology: Methodologies in Reaction, Analysis, and Separation. (Curran)

1180. KIM, Sunhee. Molecular Diffusion, Adsorption and Reaction on Oxide Surfaces as Studied by FT-IR. (Yates)


1182. KONDRATYUK, Petro. Physical Adsorption of Single Wall Carbhon Nanotubes. (Yates)


1184. MC CABE (Dunn), Jamie. Application of Rh(I)-Catalysis to Natural Product Synthesis: Routes to Ovalicin and Guanacastepene. (Brummond)

1185. MIKHONIN, Aleksandr. Direct UV Resonance Raman Monitoring of Protein Folding Reaction Coordinate: Alpha-helix Melting and Formation Revisited. (Asher)

1186. MITASEV, Branko. Transition Metal-catalyzed Reactions of Allenes in Diversity-oriented Synthesis. (Brummond)

1187. MORGAN, Gregg. Adsorption of N\textsubscript{2} on Ru(109) and Ru(001) as Studied by TPD and IRAS. (Yates)

1188. MORGAN, Paul. Synthesis of Bis-Amino Acid Oligomers and Determination of Their
Structure by NMR. (Schafmeister)

1189. MORRIS, Mark. Using the Flowing Afterglow as a Chemical Reaction Mass Spectrometer. (Grabowski)

1190. PORSUWAN, Soraya. Measurement of Dynamics, Structures and Flexibility of Macromolecules by Electron Spin Resonance. (Saxena)


1192. SPARANO, Brian. The Development of Fluorescent Sensors for Specific RNA Using Chemistry and Combinatorial Biology. (Koide)

1193. STEVENS, Benjamin. Applications of Iridium Catalyzed Isomerization Claisen Rearrangements to Complex Molecule Synthesis. (Nelson)

1194. TAORMINA, Christopher. Mass Spectrometric Analysis of Biological Molecules. (Grabowski)

1195. TURKYILMAZ, Serhan. Oligomeric Ethylene Glycols as Sorting Tags for Combinatorial Synthesis. (Wilcox)


1197. WILLOUGHBY, Bridget. Quantitative Voltammetric Analysis in the Brain: Functional Significance of Tonic Extracellular Dopamine Levels. (Michael)


1199. YANG, Ao. Studies of Reductive Lithiation Methods for the Preparation of Organolithium Compounds and Applications of the Palladium Catalyzed Zinc-ene Cyclization. (Cohen)

1200. YUE, Hongjun. Interfacial Electron Transfer of Cytochrome c on Self-assembled Monolayer and Conjugated Polyelectrolyte/Surfactant complexes Studied by Fluorescence Correlation Spectroscopy. (Waldeck)

1201. ZHU, Guangyu. Cell-based and Biochemical Screens for Small-molecule Inhibitors of Dynein and of HSP70. (Day)

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1202. AHMED, Zeeshan. UV-Resonance Raman Studies of Small Peptides. (Asher)
1203. CHAKRABARTI, Subhasis. Photo-induced Electron Transfer Studies in Donor-bridge-acceptor Molecules. (Waldeck)

1204. DAVIES, KEVIN. Reaction Volumes of Photoinitiated Reactions, and Their Use as Probes of Reactive Intermediates. (Grabowski)

1205. DeFUSCO, Albert. Many Body Interactions of Neutral and Charged Hydrogen Bonded Clusters. (Jordan)

1206. ENGLUND, Erika. The Synthesis and Biology of Trx/TrxR Inhibitors and Prodrugs. (Wipf)


1208. GREEN, Michael. An Investigation of the Pederin Family: Total Synthesis of Theopederin D; Synthesis and Determination of the Relative and Absolute Configuration of Psymberic Acid. (Floreancig)

1209. GUDIPATI, Venugopal. Mixture Synthesis of a 16-Member Murisolin Stereoisomer Library & Synthesis of C1-C20 and C21-C40 Fragments of Tetrafibrincin. (Curran)

1210. GUTHRIE, David. Mechanism and Chirality Transfer in Cyclizations of Amides and Related Compounds. (Curran)

1211. IVANOV, Roman. Generalization of Highly γ-Selective Alkylation of Allyl Halides and Phosphoric Esters (γ-S$_{\text{AL}}$ Allylic Substitutions) by Alkylzinc Halides and its Application in Metalloene Cyclizations. The Superiority of Properly Prepared Lithium 1-N,N-Dimethylaminonaphthalenide over other Aromatic Radical-anions for the Generation of Organolithiums. (Cohen)

1212. JUNG, Won-Hyuk. Total Synthesis of Dictyostatin Analogs for Anticancer Agents. (Curran)


1214. MITALA MOTZKO, Christina. Understanding the Brain After Injury: The Development of an Electrochemical Sensor to be Used in Hypoxic Environments. (Michael)

1215. MITALA, Joseph. Investigation of Dermal Absorption of Water Fluoridation Agents as Contributors to Systemic Fluoride Exposure: Quantification of Fluoride Levels in Plasma with an Ion Elective Electrode. (Michael)

1216. MOURA LETTS, Gustavo. Application of Flouro Methodologies for the Total Synthesis of Eight Diastereomers of Passifloricin A and 6-EPI-Dictyostatin. (Curran)
1217. PAUL, Amit. Charge Transfer through Chiral Organic and Peptide Nucleic Acid (PNA) Molecules. (Waldeck)

1218. PIERCE, Joshua. Applications of Allyl and Alkenyl Zirconocenes and Progress Toward the Total Synthesis of Tuberostemonone. (Wipf)

1219. RACCOR, Brianne. Mechanisms and Kinetics of Microtubule Perturbing Agents. (Day)

1220. WAKEFIELD, Bryan. The Synthesis of Thio-Halenaquinone and Related Analogs. (Wipf)


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1227. DE FORREST, Jolie. The Allenic Carbocyclization Reaction of Allene-ynes: Progress towards the Syntheses of Fumagillol and Ovalicin. (Brummond)

1228. GOKHAN ESSIZ, Sebnem. Coarse-grained Techniques to Study Dynamics of Long-time Scale Conformational Changes of Proteins. (Coalson)


1230. GUPTA, Sharad. Expanding the Complexity and Functional Diversity of Bis-amino Acid Building Block. (Schafmeister)

1231. JUN, Sangmi. Measurements of Protein Folding/Misfolding using Pulsed Electron Spin Resonance. (Saxena)
1232. MUSCATELLO (Ward), Michelle. Advances in Materials Development of Responsive Photonic Crystal Hydrogels. (Asher)

1233. NOROSKI, Joseph. Collision Energy Dependence of the Reactions of Metastable Neon with Small Molecules. (Jordan/Siska)


1235. PAINTER, Thomas. Application of Allene-ynes to the Synthesis of Novel Carbocyclic and Heterocyclic Scaffolds. (Brummond)

1236. PONIATOWSKI, Alexander. Radical Cations in Synthesis: Utilizing an Electron Transfer-initiated Cyclization Toward the Natural Product Apicularen A. (Floreancig)

1237. READ, Ian. Solid Mediated Electronic Transfer in C-clamp Molecules. (Waldeck)

1238. SARKAR, Nihar. Alkenyl Iminium Ion in Diels-alder Reaction: Synthesis of Highly Substituted N-heterocycles. (Nelson)

1239. STONE, Katherine. Structural Insights of Oligomeric Protein Complexes by Electron Spin Resonance. (Saxena)

1240. SUI, Bin. Fluorous Mixture Synthesis and Structure Assignment of Petrocortyne A and its Stereoisomers. (Curran)

1241. TU, Wangyang. Oxidative C-H Bond Activation: Study on DDQ-induced Intramolecular Cyclization Reactions and Application to the Formal Synthesis of Neopeltolide. (Floreancig)

1242. WALCZEK, Maciej. Synthesis and Reactions of Cyclo[1.1.0]butanes. (Wipf)

1243. WALTERS, Robert. Repeat Sequence Fluorene-Co-Methylene Polymers. (Meyer)

1244. WANG, Xiao. Fluorous Mixture Synthesis of the Stereoisomer Library of Macrolide Sch725674. (Curran)

1245. YINGLING, Adrienne. Semiconductor Nanocrystals as Novel Antennae for Luminescent Lanthanide Cations. (Petoud)

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1246. ALLEN, Brett. Novel Carbon Nanomaterials: Synthesis and Applications(Star)

1247. AN, Jihyun. Porous Metal-Adeninate Crystalline Materials: Syntheses, Structures, and Emerging Properties. (Rosi)
1248. BAJPAI, Reena. Mixture Synthesis and Spectroscopic Analysis of the Phytophthora Mating Hormone Alpha1 and the Corresponding Bis-MTPA Esters. (Curran)

1249. BOHN, Justin. Fabrication, Ordering, and Optical Properties of Photonic Crystals Made from Crystalline Colloidal Arrays. (Asher)

1250. BROWN, Zachary. Synthesis and Application of Functionalized Bis-Peptides Through Hindered Amin Bond Formation. (Floreancig/Schafmeister)

1251. BYKOV, Sergei. Development of Raman Instrumentation and Methodologies for Peptide and Protein Investigations. (Asher)

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1268. CHO, Hyo Soon. Diffusion and Solid-state NMR Studies of Structures in Model Biological Membrane. (Spence)

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