** John C. Warner**

100 Research Drive

Wilmington, MA 01887

978-225-5420

[John@JohnWarner.Org](mailto:John@JohnWarner.Org)

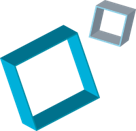
[www.JohnWarner.Org](http://www.JohnWarner.Org)

John received his BS in Chemistry from UMASS Boston, and his PhD in Chemistry from Princeton University. After working at the Polaroid Corporation for nearly a decade, he then served as tenured full professor at UMASS Boston and Lowell (Chemistry and Plastics Engineering). In 2007 he founded the Warner Babcock Institute for Green Chemistry, with Jim Babcock (a research organization developing green chemistry technologies), and Beyond Benign with Amy Cannon (a non-profit dedicated to sustainability and green chemistry education).

His research and publications in synthetic organic chemistry, noncovalent derivatization, polymer photochemistry and low temperature metal oxide semiconductors has provided the foundation for his theories of what he calls “entropic control in materials design”. His inventions and patents in molecular design, pharmaceuticals, cosmetics, adhesives, metals recycling, asphalt pavement and solar energy are the basis for several startup companies and provide the backdrop to his theories on creativity and innovation.

John is one of the founders of the field of Green Chemistry, co-authoring the defining text “Green Chemistry: Theory and Practice” with Paul Anastas. He has published extensively on the application of the 12 principles of green chemistry and the need to incorporate them into product design and the chemistry curriculum. Because of his unique view of the chemical enterprises, formed from over 30 years of experience in industry, academia and entrepreneurship he has been asked to serve on several regional, national and international government initiatives in chemicals policy.

John has received awards as an academic, an industrial chemist, an inventor and a sustainability thought leader. He received the 2004 Presidential Award for Excellence in Science Mentoring (one of the highest awards for US science education), the 2014 Perkin Medal (one of the highest honors in American Industrial Chemistry) and was named a 2016 AAAS-Lemelson Invention Ambassador. He received the American Institute of Chemistry's Northeast Division's Distinguished Chemist of the Year for 2002 and the Council of Science Society President’s 2008 Leadership award. Warner was named by ICIS as one of the most influential people impacting the global chemical industries. In 2011 he was elected a Fellow of the American Chemical Society and named one of “25 Visionaries Changing the World” by Utne Reader. In 2017 the German Ministry of Economic Affairs and The Technical University of Berlin announced the naming of “The John Warner Center for Green Chemistry Star-Ups” in his honor.

****

*August 2007 - Present* **Warner Babcock Institute for Green Chemistry, LLC**

President and Chief Technology Officer

****

**Beyond Benign**

President

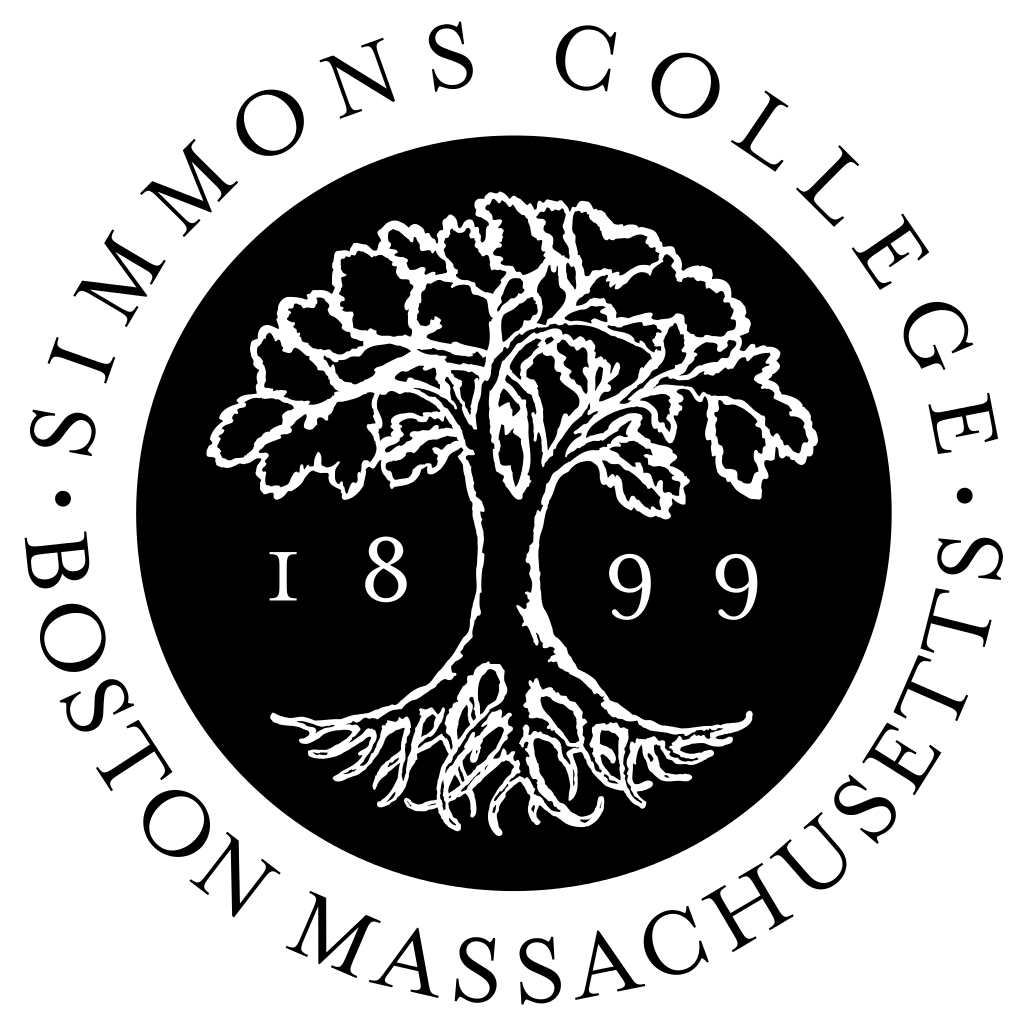
*August 2017 – Present* **Monash University**

Adjunct Professor of Chemistry



*December 2015 – Present* **Harvard University**

Adjunct, Extension School, Green Chemistry

*August 2011 – Present* **Simmons College**

Adjunct Professor of Chemistry

 *January 1996 – August 2007* **University of Massachusetts**

Director, Center for Green Chemistry, Lowell [2004-2007]

Professor, Plastics Engineering, Lowell [2004-2007]

Professor, Community Health and Sustainability, Lowell [2004-2006]

Director, Green Chemistry PhD Program, Boston [2001-2004]

Chair, Department of Chemistry, Boston [2001-2003]

Director, Center for Green Chemistry, Boston [2000-2004]

Director, Biochemistry Major, Boston [1999-2001]

Professor (Tenured), Department of Chemistry, Boston [2000-2004]

Associate Professor, Department of Chemistry, Boston [1996-2000]

* June 1988 - January 1996* **Polaroid Corporation, Cambridge, MA**

Sr. Research Scientist/Research Group Leader

 *September 1984 – May 1988* **Princeton University, Princeton, NJ**

Ph.D. (Organic Chemistry) June 1988

MA (Organic Chemistry) January 1986

Research Advisor: Edward C. Taylor

 *September 1980 – May 1984* **University of Massachusetts, Boston, MA**

B. Sc. (Chemistry) May 1984

Research Advisor: Jean-Pierre Anselme

**Selected Honors and Awards:**

“The John Warner Center for Green Chemistry Startups” German Ministry of Economic Affairs and the Technical University of Berlin **2017**

“Harry & Carol Mosher Award” – ACS Silicon Valley **2016**

“AAAS-Lemelson Invention Ambasador” AAAS and Lemelson Foundation **2016**

“Eminent Scientist Lecture” American Chemical Society **2015**

“Massachusetts State Senate Recognition” Senator Bruce Tarr **2014**

“Special Congressional Recognition” Congressman John Tierney **2014**

“The Perkin Medal” Chemistry Industry Society **2014**

“Fellow of the Royal Society of Chemistry” Elected **2014**

“Grace Van DerVoort Lecturship” Sage Colleges, **2013.**

“The Marple-Schweitzer Lectureship” Northwestern University, **2013**

“Jean Dreyfus Boissevain Lectureship” Eastern Michigan University, **2013**

“Henry A. Lardy Distinguished Lectureship”, South Dakota State University, **2013**

“Henry Maso Award” Society of Cosmetic Chemistry, **2012**

“Dow Sustainable Chemistry Lectureship”, Colorado State University, **2012**

“One of 25 Visionaries Changing the World”, Utne Reader, **2012**

“Fellow of the American Chemical Society” Elected **2011**.

“Environmental Merit Award” United States Environmental Protection Agency, **2011**

“GSA Chemistry Lectureship”, University of Cinncinnatti, **2010**

“One of the Most Influential People in the Chemical Industries” ICIS **2008**

“Award for Outstanding Leadership” Council of Science Society Presidents, **2008**

“Honorary Member” Alpha Lambda Delta Freshman’s National Honor Society, **2006**

“Presidential Award for Excellence in Science Mentoring” NSF and President George W. Bush, **2004**

“Outstanding Environmental Innovation” Environmental Business Council of New England, **2004**.

“Distinguished Mentoring Service Award” Ronald E. McNair Baccalaureate Achievement Program, **2004**.

“Outstanding Service to Nursing Award”, Sigma Theta Tao, **2004**

“College and University Health and Safety Award” ACS Division of Chemical Health and Safety, **2004**

“Distinguished Chemist of the Year”, American Institute of Chemists, New England Chapter, **2002**

“UMASS President's Public Service Award”, Univesrsity of Massachusetts, **2002**

“Reinventing Government”, National Performance Review, from Vice President Al Gore, **1997**

“Metropolitan Boston’s Best and Brightest College Seniors”, Celebrity Magazine, **1984**

“John Philip Sousa Award” and “Class Musician”, Quincy High School, **1980**

**Professional Responsibilities and Memberships:**

Green Chemistry Letters and Reviews, Editor

Crystal Growth and Design, Editorial Board

Technical University of Berlin Chemical Invention Factory, Advisory Board

Industrial Agro-Biotechnologies Center, AgroTechParis, CoChair Review Committee.

The Swedish Foundation for Strategic Environmental Research, Panel for Reduced Chemical Hazards.

PhD Programme on Sustainable Chemistry Portuguese University of Aveiro, Advisory Committee.

Princeton Graduate School Leadership Council

American Chemical Society, Fellow

Royal Society of Chemistry, Fellow

Club of Rome, Full Member

American Institute of Chemical Engineers

American Association for the Advancement of Science

American Association of Pharmaceutical Scientists

Society of Environmental Toxicology and Chemistry

Society of Cosmetic Chemists

Sustainable Nanotechnology Organization

Sigma Xi

United Nations Industrial Development Organization – Global Green Chemistry Initiative Advisory Board

Founding Stakeholder, Presidential Green Chemistry Challenge

Ellen MacArthur Foundation – The New Plastics Economy, Advisory Panel.

Oceanic Global, Science Advisor.

MadeSafe, Science Advisor.

World Economic Forum Circulars, Advisor

PAESMEM, Advisor

The Dow Chemical Company, Sustainability External Advisory Council

Apple Computers, Chair, Green Chemistry and Sustainability Advisory Board

Biogen, Sustainability Advisory Panel

DexLeChe, Advisor

**University Classes Taught:**

Intro Chemistry I & II Chemical Dynamics

Organic Chemistry I & II Chemical Structure

Biochemistry I & II Chemical Synthesis

Physiological Chemistry I & II Experimental Conceptualization

Nutrition Introduction to Green Chemistry

Medicinal Chemistry Principles of Green Chemistry

Polymer Chemistry Mechanistic Toxicology

Biophysical Chemistry Toxicology and Env. Health Sciences for Chemists

Chemistry and the Environment Sustainable Materials Design

**Personal:**

Wife: Dr. Amy Cannon Warner

Children: Joanna, Tom, John-John (Deceased), Libby, Amy and Natalie

Activities: Occasional Runner (Marathon, Half Marathon, 10K)

Occasional Musician (Keyboards, Guitar, Woodwinds, Percussion)

Occasional Gamer (World of Warcraft)

Occasional Author (Green Chemistry: Theory and Practice 1998, The Missing Elements 2019)

**US Federal Grants:**

“Wearable Personal Hydrazine Monitoring System” NASA Shared Services Center SBIR NNX17CJ36P $125,000 June 2017-December 2017.

“Low-cost, light-switched, forward-osmosis desalination system.” Department of Energy, Office of Sciences SBIR DE-SC00017075. $150,000 February 2017 - August 2017.

“Multiplexed Biofiltration of Volatile Organic Compounds” DARPA SBIR/STTR D17PC00142 $150,000. February 2017 - January 2018.

“Multiplexed Biofiltration of Volatile Organic Compounds. Phase II” DARPA SBIR/STTR 140D6318C0037 $1,300,000. June 2018 - June 2020.

**Patents:**

72. (184-185) “Methods of producing metal oxide films, patterned metal oxide surfaces, and filtration of volatile organic compounds” Warner, John C. et al., Priority Date: June 2, 2017, US Provisional 65/514,004, WO 2018/222976.

71. (182-183) “Non-covalent derivatives and methods of treatment” Baldino, Carmen M., Muollo, Laura, Warner, John C., Priority Date: June 1, 2017, US Provisional 62/516,585, WO 2018/222572.

70. (180-181) “Stilbene and fused stilbene derivatives as solar cell dyes” Warner, John C. Priority Date: May 9, 2017. US Provisional 62/503,645, WO 2018/208712.

69. (178-179) “Cushion” Warner, John C.; Whitefield, Justin R.; Polley, Jennifer Dawn; Stoler, Emily Jennifer. Priority Date May 3, 2017. US Provisional 62/500,826, WO 2018/204565.

68. (176-177) “Debondable Adhesives and Uses Therof.” Gonzalez De Los Santo, Eduardo Alberto; Chittibabu, Kethinni; Martino, Debora Marcela; Trakhtenberg, Sofia; Warner, John C., Priority Date February 23, 2017. US 2018/0235316, WO 2018/156689.

67. (174-175) “Tunable adhesive compositions and methods.” Long, Elisha; Warner, John C.; Whitfield, Justin; Dorogy, Bill; Kearney, Frederick Richard, Priority Date: November 8, 2016. US Provisional 62/424,081, WO 2018/094357.

66. (173) “Crystalization suppressant combinations for high density clear brine fluids” Ray, Thomas G.; Keene, Colin H.; Sikora, David J.; Bartley, David W.; Warner, John; Whitfield, Justin; Tshudy, Dwight; Williams, Joni P., Priority Date: April 3, 2018. US 2018/0223172.

65. (171-172) “High density clear brine fluids.” Ray, Thomas G.; Keene, Colin H.; Sikora, David J.; Bartley, David W.; Warner, John; Whitfield, Justin; Tshudy, Dwight; Williams, Joni P., Priority Date: July 14, 2016. US 2018/0016484, WO 2018/013949.

64. (169-170) “Bisphenol-A free crosslinked polymer compositions.” Warner, John C.; Whitfield, Justin; Kearney, Frederick R.; Gladding, Jeffrey; Hari, Anitha, Priority Date: June 27, 2016. US Provisional 62/355,074, WO 2018/005430.

63. (167-168) “Photochromic water harvesting platform.” Warner, John C.; Cheruku, Srinivasa R.; Trakhtenberg, Sofia Priority Date: June 23, 2016. US Provisional 62/353,925, WO 2017/223397.

62. (165-166) “Reversibly switchable surfactants and methods of extracting natural products, coating surfaces, cleaning laundry, and osmotic extraction using same.” Warner, John C.; Cheruku, Srinivasa, Priority Date: June 23, 2016. US Provisional 62/353,805, WO 2017/223413.

61. (160-164) “Lignocellulosic composites and methods of making same.”Warner, John C.; Whitfield, Justin R.; Gladding, Jeffery A.; Allen, Richard M., Priority Date: May 26, 2016, US 2018/0147824. WO 2016/191521, EP 3302969, CA 2986427, JP 2018516784.

60. (157-159) “Aqueous hair dyeing compositions comprising poly(lactic acid).”Lago, Juliana Carvalhaes; Fregonesi, Adriana; Scanavez de Paula, Carla Maria Sanches; Pedroso de Oliveira, Ana Paula; Warner, John C.; Muollo, Laura; Cookson, Jennifer. Priority Date: December 30, 2015, US 2017/0189310, WO 2017/112999, BR 2016/050361.

59. (152-156) “Thermal recording materials containing phosphate modifier.” Chaker, Fadi; Warner, John Charles; Whitfield, Justin Robert; Li Lugus, Michelle Wanchi; Banerjee, Deboshri, Priority Date: December 18, 2015, **US 9,126,451**, WO 2015/094630, CA 2915013, CN 105358328, EP 3083262.

58. (150-151) “Stilbene derivatives for the treatment of CNS and other disorders” Warner, John C. Priority Date: May 9 2017. US Provisional 62/503,654, WO 2018/208709.

57. (145-149) “Preparation of 2-phenylbenzofuran derivatives for the treatment of central nervous system disorders and other disorders.”Warner, John C.; Cheruku, Srinivasa R.; Gladding, Jeffery A., Priority Date: November 11, 2015, US Provisional 62/253,903, WO 2017/083488, EP 3374354, CA 3005212, CN 108699019.

56. (143-144) “Preparation of dipyridyl thiosemicarbazones as anticancer agents.”Warner, John C.; Gladding, Jeffery A.; Cheruku, Srinivasa R., Priority Date: September 29, 2015, US Provisional 62/234,198, WO 2017/058748.

55. (142) “Compositions and methods for compatibilizing fluorinated materials in nonfluorinated solvent systems.” Warner, John Charles; Loebelenz, Jean R.; Kariuki, Peter N.; Bwambok, David K., Priority Date: November 14, 2014, **US 9,932,424**.

54. (138-141) “Functionalized fluorinated polyhedral oligomeric silsesquioxane (F-POSS) monomer compositions and uses thereof.”Warner, John C.; Loebelenz, Jean R.; Cheruku, Srinivasa Rao; Gero, Thomas Woodrow, Priority Date: March 9, 2015, US 2016/0264599, WO 2016/145060, EP 3268412, JP 201810862.

53. (134-137) “Processes for preparing functionalized f-poss monomers.” Warner, John C.; Loebelenz, Jean R.; Cheruku, Srinivasa Rao; Gero, Thomas Woodrow, Priority Date: February 19, 2015, **US 9,630,981**, WO 2016/134207, EP 3259278, JP 2018512382.

52. (133) “Functionalized F-poss monomer compositions and uses thereof.” Warner, John C.; Loebelenz, Jean R.; Cheruku, Srinivasa Rao; Gero, Thomas Woodrow; Catchings, Perry L., Priority Date: October 7, 2014, US 2018/0094006.

51. (132) “Synthetic Blend Fluorinated Polyhedral Oligomeric Silsesquioxane (F-POSS) compositions formed from multiple feedstock materials. Continuation.” Priority Date: October 7, 2014, Warner, John Charles, US 2017/0183364.

50. (128-131) “Synthetic blend Fluorinated Polyhedral Oligomeric Silsesquioxane (F-POSS) compositions formed from multiple feedstock materials.” Warner, John Charles, Priority Date: October 7, 2014, **US 9,404,933**, WO 2016/057599, EP 3204450, JP 2017538791.

49. (126-127) “Wood composites containing oleaginous microbial biomass.” Braksmayer, Diza; McKee, Adrienne; Janssen, Giselle; Krevor, David H.; Warner, John C.; Whitfield, Justin R.; Dorogy, William E., Jr.; Kearney, Frederick Richard; Stoler, Emily J., Priority Date: June 20, 2014, US Provisional 62/015,154, WO 2015/196134.

48. (125) “Method for preparation of N-acetyl-L-cysteinamide from N-acetyl-L-cysteine Continuation.”Warner, John C.; Cheruku, Srinavasa; Thota, Sambaiah; Lee, John W., Priority Date: March 28, 2014, **US 9,889,103**.

47. (122-124) “Method for the preparation of N-acetyl-L-cysteinamide from N-acetyl-L-cysteine.”Warner, John C.; Cheruku, Srinavasa; Thota, Sambaiah; Lee, John W., Priority Date: March 28, 2014, **US 9,763,902**, WO 2015/148880, EP 3122342.

46. (117-121) “Metal complexes and methods of treatment.” Warner, John C.; Cheruku, Srinivasa R.; Hari, Anitha; Norman, James J., Priority Date: November 11, 2013, US 2016/0271175, WO 2015/070177, EP 3068762, CA 2930290, CN 105899519.

45. (116) “Novel asphalt binder additive compositions and methods of use” Warner, John C.; Muollo, Laura Rose; Walker, Rowan Lewis; Bianchini, Jason R., Priority Date: November 11, 2013, US 2018/0257985.

44. (112-115) “Asphalt binder additive compositions and related methods.” Warner, John C.; Muollo, Laura Rose; Walker, Rowan Lewis; Bianchini, Jason R., Priority Date: November 11, 2013, **US 9,994,485**, WO 2015/070180, EP 3107958, JP 2016537497.

43. (111) “Formulation and processes for hair coloring, continuation.” Warner, John C.; Muollo, Laura; Stewart, Amie, Priority Date: October 14, 2013, **US 9,522,102**.

42. (105-110) “Formulation and processes for hair coloring.” Warner, John C.; Muollo, Laura; Stewart, Amie, Priority Date: October 14, 2013, **US 8,828,100**, WO 2015/057254, EP 3057561, JP 2016533376, KR 20160068958, CN 105792797.

41. (102-104) “Preparation of Rilyazine derivatives useful in treatment of cancer.” Warner, John C.; Gladding, Jeffery A.; Gero, Thomas W.; Cheruku, Srinivasa R., Priority Date: September 5, 2013, **US 9,394,299**, WO 2015/034785, EP 3041840.

40. (099-101) “Bromine-free fire retardant (FR) agents capable of using a cyclization mechanism.” Warner, John; Tang, Pui-In; Stewart, Amie; Kelly, Colleen, Priority Date: October 2, 2013, US 2016/0312121, WO 2015/05054, CN 105592893.

39. (097-098) “Structured endothermic fire-retardant agents encapsulated in thermally-sensitive material and fire-retardant composition comprising polymer matrix and microcapsules incorporating fire-retardant agents.” Warner, John; Tang, Pui-Ln; Stewart, Amie; Kelly, Colleen, Priority Date: August 22, 2013, **US 9,856,381**,WO 2015/026353.

38. (096) “Flexible microreactors.” Warner, John C., Priority Date: June 18, 2013, US 2014/0369901.

37. (095) “Thermal imaging.” Warner, John C., Priority Date: June 18, 2013, US 2014/0371064.

36. (088-094) “Dihydro-6-azaphenalene derivatives for the treatment of CNS, oncological diseases and related disorders.” Warner, John C.; Nguyen, Dieu; Gladding, Jeffery A.; Cheruku, Srinivasa R.; Loebelenz, Jean R.; Norman, James J.; Thota, Sambaiah; Lee, John W.; Rosenfeld, Craig, Priority Date: September 28, 2012, **US 10,047,089**, WO 2014/052906, EP 2900239, JP 6345674, KR 20150060775, CN 104994853. CA 2886749.

35. (087) “Dye-sensitized solar cell and corrosion resistant electrode stack therein.” Plavisch, Lauren; Ricci, Melissa; Warner, John C., Priority Date: April 10, 2012, US 2013/0263921.

34. (086) “Solar cells with a colorant sensitized semiconductor layer prepared from a presensitized semiconductor Composition.” Warner, John C.; Viola, Michael S.; Barykina, Olga; Dua, Vineet, . Priority Date: January 17, 2012, US 2013/0180587.

33. (085) “Dye formulation for fabricating dye sensitized electronic devices.” Warner, John C.; Viola, Michael S., Priority Date: September 23, 2011, US 2013/0074935.

32. (084) “Protective barriers for electronic devices.” Warner, John C.; Viola, Michael S., Priority Date: September 2, 2011, **US 8,581,246**.

31. (083) “Formulation and method for hair dyeing.” Warner, John C.; Viola, Michael S., Priority Date: September 2, 2011, **US 8,366,791**.

30. (077-082) “Method for the recovery of lithium cobalt oxide from lithium ion batteries.” Poe, Sarah L.; Paradise, Christopher L.; Muollo, Laura R.; Pal, Reshma; Warner, John C.; Korzenski, Michael B., Priority Date: June 21, 2011, **US 9,972,830**, WO 2012/77620, EP 2724413, JP 2014526953, KR 20140039302, CN 103620861.

29. (074-076) “Sustainable process for reclaiming precious metals and base metals from electronic waste.Continuation in Part” Korzenski, Michael B.; Jiang, Ping; Norman, James; Warner, John; Ingalls, Laura; Gnanamgari, Dinakar; Strickler, Fred; Mendum, Ted, Priority Date: August 20, 2010, US 2016/0122846, JP 2017110301, CN 105274338.

28. (068-073) “Sustainable process for reclaiming precious metals and base metals from electronic waste.” Korzenski, Michael B.; Jiang, Ping; Norman, James; Warner, John; Ingalls, Laura; Gnanamgari, Dinakar; Strickler, Fred; Mendum, Ted, Priority Date: August 20, 2010, **US 9,238,850**, WO 2012/024603, EP 2606158. JP 6068341, KR 20130099948, CN 103249849.

27. (066-067) “Systems and Methods for Preparing Components of Photovoltaic Cells.” Warner, John C.; Van Benschoten, Helen; Cannon, Amy, . Priority Date: February 18, 2010, US 2011/0232742, WO 2011/103494.

26. (064-065) “Semiconductors compositions for dye-sensitized solar cells.” Warner, John C.; Van Benschoten, Helen; Cannon, Amy, Priority Date: February 18, 2010, US 2011/0232717, WO 2011/103503.

25. (062-063) “Additives for solar cell semiconductors.” Warner, John C., Priority Date: February 18, 2010, US 2011/0226306, WO 2011/103506.

24. (060-061) “Coloring composition containing L-dopa and L-arginine and forming a non-covalent derivatization complex.” Warner, John C.; Stoler, Emily J., Priority Date: November 15, 2010, **US 8,118,880**. WO 2012/067868.

23. (057-059) “Coloring composition containing an aromatic compound and tyrosinase.” Warner, John C.; Stoler, Emily J., Priority Date: November 13, 2009, US 2011/0113571, WO 2011/060351, CN 10265495.

22. (056) “Coloring Composition Containing An Aromatic Compound And Forming A Non-Covalent Derivatization Complex.” Warner, John C.; Stoler, Emily J., Priority Date: November 13, 2009, US 2011/0113573.

21. (052-055) “Coloring composition containing an aromatic compound and an Initiator.” Warner, John C.; Stoler, Emily J., Priority Date: November 13, 2009, **US 8,231,689**, WO 2011/060354, EP 2501374, JP 2012539054.

20. (050-051) “Non-fluoride containing composition for removal of polymers and other organic material from a surface.” Korzenski, Michael B.; Jiang, Ping; Warner, John; Mendum, Ted; Lugus, Michelle; Whitfield, Justin; Vanbenschoten, Helen; Payne, Makonnen, Priority Date: February 5, 2009. US Provisional 61/150,216, WO 2010/091045.

19. (048-049) “Photo-induced copolymer functionalized substrates.” Warner, John C.; Cannon, Amy; Dye, Kevin, Priority Date: May 23, 2006. US Provisional 60/802,851, WO 2007/139810.

18. (043-047) “Photoreactive polymers and devices for use in hair treatments.” Warner, John C.; Cannon, Amy S.; Raudys, Jennifer; Undurti, Arundhati, Priority Date: December 20, 2002. **US 7,550,136**, WO 2004/058187, EP 1575537, JP 2006514037, CA 2510162.

17. (042) “Biodegradable Polymers” Warner, John C.; Morelli, Alessandra; Ku, Man Ching, Priority Date: November 16, 2001, US 2005/0266546.

16. (041) “Solubilizing Cross-Linked Polymers with Photolyase.” Warner, John C.; Morelli, Alessandra; Ku, Man Ching, Priority Date: November 16, 2001, **US 6,946,284**.

15. (039-040) “Metal oxide films.” Warner, John C.; Morelli, Alessandra, Priority Date: July 15, 2001, US 2003/0054207, WO 2003/008079.

14. (038) “Thermographic recording.” Dombrowski, Edward J., Jr.; Guarrera, Donna J.; Jones, Robert L.; Mischke, Mark R.; Warner, John C.; Yang, Jiyue, Priority Date: April 22, 1997. **US 5,750,464**.

13. (037) “Thermographic recording film.” Dombrowski, Edward J., Jr.; Jones, Robert L.; Warner, John C.; Yang, Jiyue, Priority Date: April 22, 1997. **US 5,750,463**.

12. (031-036) “Photographic system.” Guarrera, Donna J.; Mattucci, Neil C.; Mehta, Avinash C.; Taylor, Lloyd D.; Warner, John C., Priority Date: February 9, 1996. **US 5,705,312**, WO 1997/029405, **EP 0820607**, JP 11508381, CA 2212884, **DE 69701493**.

11. (025-030) “Low-volatility, substituted 2-phenyl-4,6-bis(halomethyl)-1,3,5-triazine for lithographic printing plate Preparation.” Fitzgerald, Maurice J.; Kearney, Frederick R.; Liang, Rong Chang; Schwarzel, William C.; Guarrera, Donna J.; Hardin, John M.; Warner, John C., Priority Date: April 28, 1995, **US 5,561,029**, WO 1996/034315, **EP 0767932**, **JP 2968342**, **CA 2189459**, **DE 69609136**.

10. (024) “Thermally-Processable Image Recording Materials Including Substituted Purine Compounds.” Ford, Maureen F.; Guarrera, Donna J.; Mischke, Mark R.; Pai, Ramdas P.; Warner, John C., Priority Date: June 30, 1994, **US 5,411,929**.

9. (023) “Imaging medium and process.” Fehervari, Agota F.; Gaudiana, Russell A.; Kolb, Eric S.; Mehta, Parag G.; Taylor, Lloyd D.; Warner, John C., Priority Date: May 13, 1994, **US 5,424,268**.

8. (022) “Copolymeric Mordants and Photographic Products and Processes Containing Same.” Grasshoff, J. Michael; Taylor, Lloyd D.; Warner, John C., Priority Date: May 13, 1994, **US 5,395,731**.

7. (021) “Copolymers Having Pendant Functional Thymine Groups.” Grasshoff, J. Michael; Taylor, Lloyd D.; Warner, John C., Priority Date: May 13, 1994, **US 5,708,106**.

6. (020) “Method of Imaging Using a Polymeric Photoresist Having Pendant Vinylbenzyl Thymine Groups” Grasshoff, J. Michael; Taylor, Lloyd D.; Warner, John C., Priority Date: May 13, 1994, **US 5,616,451**.

5. (014-019) “Vinylbenzyl thymine monomers and their use in photoresists.” Grasshoff, J. Michael; Taylor, Lloyd D.; Warner, John C., Priority Date: May 13, 1994, **US 5,455,349**, WO 1995/031755, **EP 0759193**, JP 10500169, CA 2185144, **DE 69504652**.

4. (013) “Process for Fixing an Image, and Medium for Use Therein.” Marshall, John L.; Shon Baker, Rita S.; Takiff, Larry C.; Telfer, Stephen J.; Warner, John C., Priority Date: April 24, 1994, **US 5,741,630**.

3. (007-012) “Process for Fixing an Image.” Ehret, Anne; Marshall, John L.; Baker, Rita S. S.; Takiff, Larry C.; Telfer, Stephen J.; Warner, John C., Priority Date: April 24, 1994, **US 5,582,956**, WO 1995/029067, **EP 0757628**, JP 9512498, CA 2186514, **DE 9506396**.

2. (006) “Process and Composition for use in Photographic Materials Containing Hydroquinones. Continuation.” Taylor, Lloyd D.; Warner, John C., Priority Date: July 19, 1991, **US 5,338,644**.

1. (001-005) “Photographic Products and Methods of Forming.” Taylor, Lloyd D.; Warner, John C., Priority Date: July 19, 1991, **US 5,177,262**, **EP 0523470**, **JP 2881072**, CA 2070450, **DE 69218312**.

**Publications:**

097 “Reaction: Exploring the Chemistry Frontier in Water-Borne Vessels” Warner, John C. Chem 2018, 4(9), 2008-2010.

096 “Movers and Shakers” Warner, John C. The Catalyst Review 2018, 31(7) 18.

095 “Innovation with Non-Covalent Derivatization” Warner, John C.; Stoler, Emily, in “Green Techniques for Organic Synthesis and Medicinal Chemistry” 2nd Edition, Zjang, Wei and Cue, Berkeley W., Eds. Wiley 2018, Chapter 6, p 117-130.

094 “Isolation and Characterization of 1,3-Bis(vinylbenzyl)thymine: Copolymerization with Vinylbenzyl Thymine Ammonium Chloride” Vy, Ngoc Chau H. Vy; Chen, Nina Bin; Martino, Debora M.; Warner, John C.; Lee, Nancy, Journal of Polymers 2017, Article ID 6938475, 10 pages.

093 “Models for integrating toxicology concepts into chemistry courses and programs” Cannon, Amy S.; Finster, David; Raynie, Douglas; Warner, John C. Green Chemistry Letters and Reviews 2017, 10(4), 436-443.

092 “Purpose and Intent at the Intersection of Nanotechnology and Green Chemistry” Warner, John C. Green Chemistry Letters and Reviews 2016, 9(4) 208.

091 “Entropic Considerations in Molecular Design” Warner, John C.; Ludwig, Jennifer K., ACS Sustainable Chemistry & Engineering. 2016, 4(11), 5897-5899.

090 “Foreword”, Warner, John C. in Problem-Solving Exercises in Green and Sustainable Chemistry” by Matlack, Albert S.; Dicks, Andrew P. 2016 CRC Press, Boca Raton, FL.

089 “Rethink how Chemical Hazards are Tested” Warner, John C.; Ludwig, Jennofer K. Nature 2016, 536 (7616) 269-270.

088 “Data and Computational Sciences Role in Green Chemistry” Warner, John C. CIO Review 2016, February 08, 25-26.

087 “Green Chemistry and Innovation” Warner, John C. in “Teaching and Learning about Sustainability” ACS Symposium Series 1205, 2015 79-85.

086 “Where We Should Focus Green Chemistry Efforts”, Warner, John C., Aldrichimica Acta 2015, 48(1) 29.

085 “Non-Covalent Derivatives: Cocrystals and Eutectics .” Stoler, Emily; Warner, John C. Molecules 2015, 20, 14833-14848.

084 “Noncovalent Derivatization: A Laboratory Experiment for Understanding the Principles of Molecular Recognition and Self-Assembly through Phase Behavior” Cannon, Amy S.; Warner, John C.; Koraym, Smaa A.; Marteel-Parrish, Anne E., J. Chem. Ed. 2014 91(9), 1486-1490.

083 “Green Chemistry and Chemical Bonds” Cannon, Amy S. and Warner, John C., in Chemistry for Changing Times, 13th Edition, Hill, John W.; McCreary, Terry W., and Kolb, Doris K., Pearson Education, Inc., 2013, p. 118.

082 “Safer Pesticides through Green Chemistry” Cannon, Amy S. and Warner, John C., in Chemistry for Changing Times, 13th Edition, Hill, John W.; McCreary, Terry W., and Kolb, Doris K., Pearson Education, Inc., 2013, p. 624.

081 “Designing endocrine disruption out of the next generation of chemicals”, Schug, T. T.; Abagyan, R.; Blumberg, B.; Collins, T. J.; Crews, D.; DeFur, P. L.; Dickerson, S. M.; Edwards, T. M.; Gore, A. C.; Guillette, L. J.; Warner, John C., Green Chemistry 2013, 15(1), 181-198.

080 “Green Chemistry and The Pharmaceutical Industry: The Myths and Opportunities” Cannon, Amy S.; Pont, Joseph L.; Warner, John C. in “Green Techniques for Organic Synthesis and Medicinal Chemistry” Eds: Zhang, W. and Cue, B., John Wiley & Sons 2012.

079 “Concentration of Bisphenol A in Thermal Paper” Mendum, Ted; Stoler, Emily; Van Benschoten, Helen; Warner, John C. Green Chemistry Letters and Reviews 2011, 4(1), 81-86.

078 “The Science of Green Chemistry and its Role in Educational Reform” Cannon, Amy S.; Warner, John C., New Solutions 2011, 21(3), 499-517.

077 “The Twelve Principles of Green Chemistry” Jessup, Phillip J.; Trakhtenverg, Sofia; Warner, John C., in “Innovations in Industrial and Engineering Chemistry: A Century of Achievements and Prospects for the New Mellenium” Eds. Flank, William H.; Abraham, Martin A.; Matthews, Michael A, ACS Symposium Series # 1000, 2009, 12, 401-436.

076 “K-12 Outreach and Science Literacy Through Green Chemistry” Cannon, Amy S.; Warner, John C. in “Green Chemistry Education: Changing the Course of Chemistry” Ed. Levy, Irv ACS Symposium Series, 2009, 167-185.

075 “Core-shell Thymine Containing Polymeric Micelle System: Study of Controlled Release of Riboflavin”, Saito, Kei; Warner, John, C., Green Chemistry Letters and Reviews, 2009, 2(1-2), 71-76.

074 “Linking Hazard Reduction to Molecular Design: Teaching Green Chemical Design” Anastas, Nicholas; Warner, John C. in “Green Chemistry Education: Changing the Course of Chemistry” Ed. Levy, Irv ACS Symposium Series, 2009, 117-136.

073 “Green Chemistry: Terminology and Principles” Peabody-Obrien, Karen, Myers, John Peterson, Warner, John Env. Health Perpectives, 2009, 117(9) A385-A386.

072 “Green Chemistry: Foundations in Cosmetic Sciences” Cannon, Amy S.; Warner, John C. in Global Regulatory Issues for the Cosmetics Industry, Vol. 2, Lintner, K., Ed., William Andrew, 2009, 1-16.

071 “Green Chemistry Status and Future” Warner, John C. Green Chemistry Letters and Reviews, 2009, 2(1-2), 1.

070 “Photosensitization of Bioinspired Thymine Containing Polymers” Martino, Debora M.; Reyna, Dalila; Estenoz, Diana A.; Trakhtenberg, Sofia; Warner ; John C. J. Phys. Chem. 2008, 112(21). 4786-4792.

069 “Influence of pH and Salt on the Photocrosslinking in Polyelectrolyte Thymine-Containing Films” Trakhtenberg, Sofia; Kumar, Ramya; Bianchini, Jason; Thor, Savin; Martino, Deborah; Warner, John C. J. Macr. Sci. Part A 2007, 44(12) 1311-1315.

068 “Entropic Control of Processes and Materials” Trakhtenberg, Sofia; Warner, John C. Chem. Reviews 2007, 107(6) 2174-2182.

067 “Non-Catalytic Photoinduced Immobilization Processes in Polymer Films” Trakhtenberg, S.; Cannon, A. S.; Warner, J. C. in “Thin Films and Nanostructures: Physico-Chemical Phenomena in Thin Films and at Solid Surfaces” Ed. by L.I. Trakhtenberg, S.H. Lin and O.J. Ilegbusi, Elsevier 2007 34, 665-695.

066 “Core-bound Polymeric Micellar System Based on Photocrosslinking of Thymine” Saito, Kei; Ingalls, Laura; Lee, Jun; Warner, John C. Chem. Commun. 2007 2503-2505.

065 “The Effect of pH on the Viscosity of Titanium Dioxide Aqueous Dispersions with Dicarboxylic Acids”, Johnson ; Abby M., Trakhtenberg , Sofia; Cannon, Amy S.; Warner, John C. J. Phys. Chem. 2007, 111 8139-8146.

064 “Thymine Based Water Soluble Phototripolymers: Their Preparation and Synthesis” Bianchini, Jason R.; Saito, Kei; Balin, Taylor B.; Dua, Vineet; Warner, John C. J. Polymer Sci., Part A: Polymer Chem. 2007 45, 1296-1303.

063 “The Natural Evolution of Green Chemistry” Warner, John C. Green Chemistry Letters and Reviews, 2007, 2(1), 1.

062 “Green Chemistry and Sustainable Materials Design” Warner, John C. Society of Cosmetic Chemists Annual Scientific Seminar Proceedings, Boston, MA 2006, 44-4.

061 “The Effects of Irradiation Dose and of Photopolymer Composition on the Dissolution of Entrapped Dyes” Kiarie, Cecilia; Jimenez-Ruiz, Johana; Pheng, Kanika; Trakhtenberg, Sofia; Warner, John C. J. Macr. Sci. 2006 43(12), 1965-1974.

060 “Entropic Control in Green Chemistry and Materials Design” Warner, John C. 2006 Pure and Appl. Chem. 2006 78(11), 2035-2041.

059 “Bacteriostatic Polymer Film Immobilization” El-Hayek, Rami; Warner, John C. J. Bio. Mat. Res. 2006 79A(4), 874-881.

058 “Core-bound nano micelles based on hydrogen bonding and photocrosslinking of thymine.” Saito, Kei; Ingalls, Laura; Warner, John C. Polymer Preprints 2006, 47, 829-830.

057 “Effect of Dye Additives on Photodimerization of Thymine Pendant Groups in Water-Soluble Photoresist Polymers” Yu, Catherine; Trakhtenberg, Sofia; Cain, Timothy E.; Warner, John C. Journal of Polymers and the Environment. 2006 14(2), 131-134.

056 “Water Soluble Photocrosslinking Materials in Cosmetics” Cannon, Amy S.; Warner, John C.; Saito, Kei; Trakhtenberg, Sofia; Whitfield, Justin. Society of Cosmetic Chemists Annual Scientific Seminar Proceedings, Boston, MA 2006, 46-47.

055 “Spectroscopic and Microscopic Analysis of Photocrosslinked Vinylbenzylthymine (VBT) Copolymers for Photoresist Applications” Trakhtenberg, Sofia; Warner, John C.; Nagarajana, Ramaswamy; Bruno, Ferdinando F.; Samuelson, Lynne A.; Kumar, Jayant Chem. Mater. 2006, 18, 2873-2878.

054 “(4-Vinylbenzyl)cinnamate: A Useful Monomer for Water-Soluble Photopolymers” Cannon, Amy S.; Warner, John C., J. Macr. Sci. 2005 A42 1507-1514.

053 “Methylene Blue Adsorption on Thymine Based Polyvinylphenylsulfonate Films” Kiarie, Cecilia; Bianchini, Jason; Trakhtenberg, Sofia; Warner, John C. J. Macr. Sci. 2005 A42 1489-1496.

052 “Enzymatic Reversal of Polymeric Thymine Photocrosslinking with E. coli DNA Photolyase” Whitfield, Justin; Morelli, Alessandra and Warner, John C., J. Macr. Sci. 2005 A42 1541-1546.

051 “Photocrosslinked Immobilization of Polyelectrolytes for Enzymatic Construction of Conductive Nanocomposites” Trakhtenberg, Sofia; Hangun-Balkir, Yelda; Warner, John C.; Bruno, Ferdinando; Kumar, Jayant; Nagarajan, Ramaswamy; Samuelson, Lynne A. J. Am. Chem. Soc. 2005 127, 9100-9104

050 “Noncovalent Derivatives of Hydroquinone: Complexes with Trigonal Planar Tris-(N,N-Dialkyl)trimesamides.” Cannon, Amy S.; Foxman, Bruce M.; Guarrera, Donna J.; Warner, John C. Crystal Growth and Design 2005, 5(2), 407-411.

049 “The Low Temperature Processing of Titanium Dioxide Films by the Addition of Trimesic Acid” Cannon, Amy S.; Guarrera, Donna J.; Morelli. Alessandra; Pressler, Whitney; Warner, John C. J. Sol Gel Sci.2005 36 157-162.

048 “Introductory Overview of Green Chemistry” Pyers, John E.; Whitfield, Justin; Warner, John C. Proceedings of First Indo-US Workshop on Green Chemistry, Delhi, India, (November 17-19, 2003), 2005, 10-13.

047 “The Incorporation of Hazard Reduction as a Chemical Design Criterion in Green Chemistry” Anastas, Nicholas; Warner, John C. J. Chem. Health and Safety 2005, 12(2), 9-13.

046 “Green Chemistry” Warner, John C.; Cannon, Amy S.; Dye, Kevin, J. Environmental Impact Assessment, 2004 24 775-799.

045 “Asking the Right Questions” Warner, John C. J. Green Chem. 2004 6, G27.

044 “Structure Activity Relationship of Organic Acids in Titanium Dioxide Nanoparticle Dispersions” Cannon, Amy S.; Jian, Tian Ying, Wang, Jun; Warner, John C. Chem. Mater. 2004 16, 5138-5140.

043 “Synthesis of Tetrahedral Carboxamide Hydrogen Bond Acceptors.” Cannon, Amy S.; Jian, Tian Ying, Wang, Jun; Warner, John C. Organic Prep. And Proc. Int. 2004 36(4), 353-359.

042 “Synthesis of Phenylenebis(methylene)-3-carbamoylpyridinium Bromides.” Zhou, Feng; Wang, Chi-Hua; Warner, John C. Organic Prep. And Proc. Int. 2004, 36(2), 173-177.

041 “Noncovalent Derivatization: Green Chemistry Applications of Crystal Engineering.” Cannon, Amy S.; Warner, John C. Crystal Growth and Design 2002, 2(4) 255-257.

040 “Aqueous Photoresists”, Warner, John C. in Greener Approaches to Undergraduate Chemistry Experiments, Kirchhoff, Mary; Ryan, Mary Ann, Eds., American Chemical Society, 2002, 45-50.

039 “Construction of Solar Energy Devices with Natural Dyes”, Warner, John C. in Greener Approaches to Undergraduate Chemistry Experiments, Kirchhoff, Mary; Ryan, Mary Ann, Eds., American Chemical Society, 2002, 42-44.

038 “Synthesis of 7-Hydroxy-4-Methylcoumarin by a Solid-Catalyzed Pechmann Reaction”, Warner, John C. in Greener Approaches to Undergraduate Chemistry Experiments, Kirchhoff, Mary; Ryan, Mary Ann, Eds., American Chemical Society, 2002, 25-26.

037 “Water-Soluble Catalysis: Aqueous Analogue of the Grignard Reaction”, Warner, John C. in Greener Approaches to Undergraduate Chemistry Experiments, Kirchhoff, Mary; Ryan, Mary Ann, Eds., American Chemical Society, 2002, 23-24.

036 “Benzoin Condensation Using Thiamine as a Catalyst Instead of Cyanide”, Warner, John C. in Greener Approaches to Undergraduate Chemistry Experiments, Kirchhoff, Mary; Ryan, Mary Ann, Eds., American Chemical Society, 2002, 14-17.

035 “Biosynthesis of Ethanol: Renewable Feedstocks and Enzyme Catalysis”, Warner, John C. in Greener Approaches to Undergraduate Chemistry Experiments, Kirchhoff, Mary; Ryan, Mary Ann, Eds., American Chemical Society, 2002, 11-13.

034 “Microwave-Assisted Diels-Alder Reaction of Anthrocene and Maleic Anhydride”, Warner, John C. in Greener Approaches to Undergraduate Chemistry Experiments, Kirchhoff, Mary; Ryan, Mary Ann, Eds., American Chemical Society, 2002, 8-10.

033 “Photocatalysis of Electron Transfer Reactions by C60 Adducts.” Hamann, Thomas W.; Bussandri, Alejandro P.; Van Willigen, Hans; Najah, Samira; Warner, John C. Proceedings – Electrochemical Society 2000, (Fullerenes: Volume 8: Electrochemistry and Photochemistry), 289-298.

032 “Lithographically patterned superconductor bolometer detectors for visible and near-infrared radiation incorporating wavelength-selective light-absorbing elements.” Eames, Sara J.; Yoo, J. Seung-Jin; Warner, John C.; Neikirk, Dean P.; McDevitt, John Thomas. Proc. SPIE-Int. Soc. Opt. Eng., 3790(Engineered Nanostructural Films and Materials), 160-168, 1999.

031 “A Four Color Optical Sensor: Wavelength-Selective Dye/Superconductor Assemblies”; Eames, S.; Savoy, S.; Wells, C.; Zhao, J.; Warner. J. C.; McDevitt, J.in Spectroscopy of Superconducting Materials, E. Faulques, Ed.,ACS Books, US, 1999, 278-2

030 “Non-Covalent Derivatives of Hydroquinone: Bis-(N,N-Dialkyl)Bicyclo[2.2.2]octane-1,4-dicarboxamide Complexes.” Foxman, Bruce M.; Guarrera, Pai, Ramdas; Tassa, Carlos; Donna J.; Warner, John C. Crystal Enginerering 1999 2(1), 55.

029 “Environmentally Benign Synthesis Using Crystal Engineering: Steric Accommodation in Non-Covalent Derivatives of Hydroquinones.” Foxman, Bruce M.; Guarrera, Donna J.; Taylor, Lloyd D.; Warner, John C. Crystal Engineering.1998, 1, 109.

028 “Green Chemistry: Theory and Practice.” Anastas, Paul T.; Warner, John C., Oxford University Press, London. 1998.

027 “Pollution Prevention via Molecular Recognition and Self Assembly: Non-Covalent Derivatization.” Warner, John C., in “Green Chemistry: Frontiers in Benign Chemical Synthesis and Processes.” Anastas, P. and Williamson, T. Eds., Oxford University Press, London. pp 336 - 346. 1998.

026 “Turbulent Flow Liquid Chromatography” Quinn, Hubert M.; Takarewski, Joseph J.; Warner, John C. American Laboratories, September 1998.

025 “Non-Covalent Derivatization: Diffusion Control via Molecular Recognition and Self Assembly”. Guarrera, D. J.; Kingsley, E.; Taylor, L. D.; Warner, John C. Proceedings of the IS&T's 50th Annual Conference. The Physics and Chemistry of Imaging Systems, 537, 1997.

024 “Radical Reactions of Azo, Hydrazo and Azoxy Compounds.” Koga, Gen; Warner, John C.; Anselme, J.-P., in “The Chemistry of Functional Groups. Vol 2” S. Patai, Ed., John Wiley, New York. pp 603-645. 1997.

023 “The Synthesis of 1-[Vinylbenzyl]thymine, A Very Versatile Monomer.” Cheng, C. M.; Egbe, M. J.; Grasshoff, M. J.; Guarrera, D. J.; Pai, R. P.; Taylor, L. D.; Warner, John C., J. Polymer Sci., Part A: Polymer Chem. 1995, 33, 2515.

022 “New Thymine and Uracil Photopolymers” Cheng, C. M.; Egbe, M. J.; Grasshoff, M. J.; Guarrera, D. J.; Pai, R. P.; Taylor, L. D.; Warner, John C. Proceedings of the IS&T's 47th Annual Conference. The Physics and Chemistry of Imaging Systems, 810, 1994.

021 “Molecular Self-Assembly in the Solid State. The Combined Use of Solid State NMR and Differential Scanning Calorimetry for the Determination of Phase Constitution.” Guarrera, D.; Taylor, L. D.; Warner, John. C. Chemistry of Materials 1994, 6, 1293.

020 “Structural Elucidation of Solid State Phenol-Amide Complexes.” Guarrera, Donna. J., Taylor, Lloyd D., Warner, John C., Proceedings of the 22nd NATAS Conference, 496 1993.

019 “Pyridopyrimidines.” Warner, John C. in “Miscellaneous Fused Pyrimidines” T. Delia, Ed. Part IV, vol. 24, John Wiley, New York 1992.

018 “New Synthetic Studies on Deazafolates.” Taylor, E. C.; Chang, Z. Y.; Harrington, P. M.; Hamby, J. M.; Papadopoulou, M.; Warner, J. C.; Wong, G. S. K.; Yoon, C. M.; Shih, C., Chem. Biol. Pteridines, 1989 Proc. Int. Symp. Pteridines Folic Acid Deriv., 9th, Meeting Date 1989, 987. Ed. by: Curtius, H.-C.; Ghisla, S.; Blau, N. de Gruyter: Berlin, Fed. Rep. Ger. 1990.

017 “Synthesis and Competitive Thermal Reactions of 3-[2'-(2-Propynylthio)- phenylamino]-1,2,4-triazines.” Taylor, E. C.; Pont, J. L.; Warner, J. C., J. Org. Chem., 1989, 54, 1456.

016 “Aromatic-Aromatic Interactions in Molecular Recognition: A Family of Artificial Receptors for Thymine that Shows Both Face-To-Face and Edge-To-Face Orientations.” Muehldorf, A. V.; Van Engen, D.; Warner,J. C.; Hamilton, A. D., J. Am. Chem. Soc., 1988, 110, 6561.

015 “Deazafolates.” Warner, John C., PhD Dissertation, Princeton University, 1988

014 “Competitive Intramolecular Diels-Alder Reaction and Intramolecular Coplanar Cycloamination of 3-(3-Butynylthio)-1,2,4-triazin-5-ones.” Taylor, E. C.; Pont, J. L.; Van Engen, D.; Warner, J. C., J. Org. Chem., 1988, 53, 5093.

013 “Synthesis of 2-Amino-6,7-Dihydrothieno[3,2-g]-5-deazapterin.” Taylor, E. C.; Pont, J. L.; Warner, J. C., J. Het. Chem., 1988, 25, 1733.

012 “Diels-Alder Reactions of 6-Azapterins. An Alternate Strategy for the Synthesis of 5,10 Dideaza-5,6,7,8-tetrahydrofolic Acid (DDATHF).” Taylor, E. C.; Harrington, P. M.; Warner, J. C., Heterocycles, 1988, 27, 1925.

011 “Diels-Alder Reactions of 7-Azalumazines. Synthesis of Condensed Lumazines and 8-Deazalumazines” Taylor, E. C.; Warner, J. C.; Pont, J. L., J. Org. Chem., 1988, 53, 3568.

010 “Intramolecular Diels-Alder Reactions of 6-Azalumazines and 6-Azapterins. A Facile Route to 6,7-Annulated-5-deazapteridines.” Taylor, E. C.; Warner, J. C.; Pont, J. L., J. Org. Chem., 1988, 53, 800.

009 “Heterodienophilic Intramolecular Diels-Alder Reactions of 1,2,4-Triazines. Synthesis of Novel Polycyclic Condensed Pyrazines and Lumazines.” Taylor, E. C.; Pont, J. L.; Warner, J. C., Tetrahedron.; 1987, 43, 5159, 1988, 44, 1825.

008 “Synthesis and Structural Confirmation of 5,6-Cyclopenteno-5-deazapterin.” Taylor, E. C.; Warner, J. C., Heterocycles, 1987, 26, 2673.

007 “Diels-Alder Reactions of Bicyclic 1,2,4-Triazines: The Conversion of Pyrimido[4,5-e]-1,2,4-triazines to Pyrido[2,3-d]pyrimidines.” Taylor, E. C.; McDaniel, K. F.; Warner, J. C. Tetrahedron Lett., 1987, 28, 1977.

006 “Benzoyl Phenyl 1-Methylpyrazoles. Synthesis, Characterization, and Spectra.” Kano, K.; Scarpetti, D.; Warner, J. C.; Anselme, J.-P.; Springer, J. P.; Arison, B. H. Can. J. Chem., 1986, 64, 2211.

005 “The Wittig Reaction in the Undergraduate Organic Laboratory.” Warner, J. C.; Anastas, P. T.; Anselme, J.-P. J. Chem. Ed., 1985, 62, 346.

004 “The Chemistry of N-Nitrosamines.” Warner, John C., B.S. Undergraduate Thesis, University of Massachusetts Boston, 1984.

003 “N-Nitrosamines from the Reaction of Sulfamoyl Chlorides with Sodium Nitrite.” Warner, J. C.; Nakajima, M.; Anselme, J.-P. Bull. Soc. Chim. Belges, 1984, 93, 919.

002 “N-Nitrosamines via the Phase-Transfer mediated Nitrosation of Secondary Amines with Sodium Nitrite and N-Haloamides.” Nakajima, M.; Warner, J. C.; Anselme, J.-P. Tetrahedron Lett., 1984, 25, 2619.

001 “N-Nitrosamines from the Reaction of N-Chlorodialkylamines with Sodium Nitrite.” Nakajima, M.; Warner, J. C.; Anselme, J.-P. J. Chem. Soc., Chem. Commun., 1984, 451.

**Recent Examples (5-years) Presentations:**

* Plenary Lecture, *Green Chemistry: Addressing Climate Change at the Molecular Level*, Climate KIC Strategy Workshop 2018, Amsterdam, Netherlands, May 29, 2018.
* Guest Lecture, *20 Years of the Green Chemistry Invention Factory*, Industrial Agro-Biotechnologies Chair, AgroParis Tech Lecture, Reims, France, May 24, 2018.
* Guest Lecture, *20 Years of the Green Chemistry Invention Factory*, The Technical University of Berlin, Berlin, Germany, May 16, 2018
* Keynote Speaker, *Green Chemistry Innovation and Entrepreneurship*, 3rd Green and Sustainable Chemistry Conference, Berlin, Germany, May 15, 2018.
* Invited Lecture, *Inventing for the Circular Economy*, The Swedish Foundation for Strategic Environmental Research, Stockholm, Sweden, April 26, 2018.
* Special Lecture, *Green Chemistry: The Missing Elements*, Victoria Australia Environmental Protection Agency Melbourne, Victoria, Australia, February 22, 2018
* Keynote Speaker, *Green Chemistry: The Missing lements,* Elevating Impact Summit, Portland, OR February 9, 2018.
* Plenary Speaker, *Invention at the intersection of STEM and Sustainability* Massachusetts STEM Summit, Fitchburgh, MA November 14, 2017.
* Master Speaker, *Green Chemistry: Inventing Biomimicry Technologies in a Circular Economy*, Greenbuild International Conference and Expo, Boston, MA, November 09, 2017.
* Award Speaker, *Green Chemistry: The Missing Elements*, Gand Seminar, Loyola University Maryland, Baltimore, MD. November 07, 2017.
* Keynote Address, *Inventing for the Circular Economy with Green Chemistry*, CE100 Reykjavik, Ellen MacArthur Foundation, Reykjavik, Iceland, October 12, 2017.
* Keynote Address, *Catalyzing Innovation While Addressing Global Challenges,* Chemical Innovation Exchange Conference, Frankfurt, Germany, September 19, 2017
* Keynote Presentation, *Entropy Considerations in the Sustainable Design of Cosmetics,* The Future of Sustainability, NY Society of Cosmetic Chemists, Paramus, NJ, February 15, 2017
* Henry and Carol Mosher Award Lecture, *Green Chemistry: The Missing Elements*, Silicon Valley American Chemical Society, Santa Clara, CA, January 26, 2017
* Keynote Lecture, Green Chemistry: *Driving Innovation to Commercialization,* World Conference on Fabric and Home Care, Singapore, October 7, 2016
* Award Address, *Inventing Green Chemistry*, AAAS / Lemelson Foundation Invention Ambassadors, Washington, DC, July 14, 2016
* Earth Day Keynote, *Green Chemistry: The Missing Elements*, Stony Brook University, Earthstock: A Celebration of Earth Day, Stony Brook, NY, April 22, 2016
* Keynote Lecture, *Entropic Considerations in Molecular Design and Elements of Innovation,* 5th Design Science Symposium, Rhode Island School of Design, Providence, RI, April 17, 2016
* Keynote Lecture, *Entropic Considerations in Materials Design,* Buildwell 2016, San Francisco, CA, February 11, 2016
* Closing Keynote, *Innovation with Green Chemistry: A Faster Path to Commercialization*, InformEx 2016, New Orleans, LA, February 4, 2016.
* Keynote Speaker, *Green Chemistry and Innovation*, 4th Industrial Green Chemistry International Convention, Mumbai, India, December 04, 2015
* Centennial Speaker, *Green Chemistry: The Missing Elements,* University of Toledo Chemistry and Biochemistry Department, Toledo, OH, October 01, 2015
* Keynote Speaker, *Green Chemistry and Product Development*, Living Product Expo, Pittsburgh, PA, September 18, 2015
* Keynote Lecture, *The Technology Greenhouse – Idea to Commercialization,* The Guardian Sustainable Business Event, New York, NY, September 2, 2015
* Eminent Scientist Lecture, *What’s in Your Chemical Toolbox?*, 250th American Chemical Society National Meeting, Boston, MA, August 17, 2015
* Keynote Lecture, *Ocean Plastics and Green Chemistry*, United Nations Parley – Oceans, Climate. Life, New York, NY, June 29, 2015
* Keynote Lecture, *Molecular Mechanisms and Entrepreneurship in Green Chemistry,* International Symposium on Green Chemistry, La Rochelle, France, May 4, 2015
* Plenary Speaker, *Entropic Control, Sustainable Nanotechnology at the Molecular Level*, 6th Sustainable Nanotechnology Conference, Venice, Italy, March 11, 2015
* Keynote Speaker, *Green Chemistry and Innovation*, AfterTaste 2015: Inside Imagination, New School of Design, New York, NY, February 28, 2015
* Keynote Speaker, Green Chemistry: *Helping Create a Safer, More Sustainable Future*, Iowa State University Symposium on Sustainability, Ames, IA, February 23, 2015
* Keynote Speaker, *Green Chemistry and Bio-Based Materials*, 6th Next Generation Bio-Based & Sustainable Chemicals Summit, New Orleans, LA, February 3, 2015
* Keynote Speaker, *Green Chemistry: Research through to Commercialization,* 5th Asia-Oceanic Conference on Green and Sustainable Chemistry, New Delhi, India, January 15, 2015
* Keynote Speaker, *Green Chemistry: Biomimicry and Molecular Psychology*, Bioneers 25th Anniversary Summit, San Rafael, CA, October 18, 2014
* Keynote Speaker, *Perspective on Sustainable Chemistries*, 33rd Dish Symposium, Hosted By BASF, Detroit, MI, September 23, 2014
* Expert Panelist Kickoff Event, *Green Chemistry and Building Materials*, Building Product Ecosystems, New York, NY, September 17, 2014
* Perkin Medal Award Address, *Green Chemistry a Perspective*, Society of the Chemical Industry, Philadelphia, PA, September 16, 2014
* Plenary Address, *Green Chemistry: New Eyes and new Ideas in Science,* Biennial Conference of Chemical Education, Allendale, MI
* Opening Keynote, *Introduction to Green Chemistry,* Chemicals, Health and Green Chemistry Workshop, Ramat Hanadiv, Israel, June 10, 2014
* Opening Keynote, *Green Chemistry Approaches to Endocrine Disruptor Free Products*, Environmental Endocrine Disruptors Gordon Research Conference, Lucca, Italy, May 11, 2014
* Keynote Address, *Green Chemistry and Competitive Advantage*, Pressure Sensitive Tape Council Annual Meeting, Nashville, TN, April 30, 2014
* Keynote Lecture, Green Chemistry: *An Opportunity for Growth and Competitive Advantage,* EcoChem: Global Sustainable Chemistry and Engineering, Basel, Switzerland, November 19, 2013
* Innovation Day Opening Plenary, *Entropy at the Intersection of Innovation and Sustainability*, The Chemical Heritage Foundation, Philadelphia, PA, September 17, 2013
* Marple Schweitzer Award Lecture, *Green Chemistry: The Missing Elements,* Northwestern University, Evanston, IL, May 31, 2013
* Jean Dreyfus Boissevain Award Lecture, *Green Chemistry: The Missing Elements,* Eastern Michigan University, Ypsilanti, MI, May 29, 2013
* Keynote Lecture, *Entropic Control in Materials Design as an Example of Green Chemistry,* Adhesive and Sealant Council Annual Meeting, Atlanta, GA, April 21, 2013
* Lardy Award Lecture, *Green Chemistry: Principles and Practice*, South Dakota State University, Brookings, SD, February 6, 2013
* Henry Maso Award Lecture, *Green Chemistry: The Missing Elements of Materials Design,* Society of Cosmetic Chemistry Annual Scientific Seminar, Charleston, SC, May 31, 2012
* Closing Keynote, *The Future in Green Chemistry,* Fortune Brainstorm Green, Laguna Niguel, CA, April 18, 2012

**Abstracts:**

* “Towards meeting the UN sustainability goals through green chemistry” Hawkins, Neil; Warner John 256th ACS National Meeting & Exposition, Boston, MA, United States, August 19-23, 2018. CHED-424.
* “Twenty years of theory and practice” Warner, John; Anastas, Paul 256th ACS National Meeting & Exposition, Boston, MA, United States, August 19-23, 2018. YCC-12.
* “20 Years of the 12 Principles” Warner, John C. 22nd Annual Green Chemistry and Engineering Conference, Portland, OR, June 18, 2018. GC&E 03.
* “Molecular mechanisms of ethical design” Warner, John 255th ACS National Meeting & Exposition, New Orleans, LA, United States, March 18-22, 2018, PROF-39.
* “Principle 10. Learning from nature how to make materials compatible with nature” Warner, John 255th ACS National Meeting & Exposition, New Orleans, LA, United States, March 18-22, 2018, CHED-316.
* “Green chemistry theory & practice: Principle 1. From improving what is to inventing what could be” Warner, John; Anastas, Paul 255th ACS National Meeting & Exposition, New Orleans, LA, United States, March 18-22, 2018, CHED-245.
* “Green chemistry: Inventing for a circular economy” Warner, John C. 21st Annual Green Chemistry & Engineering Conference, Reston, VA, United States, June 13-15, 2017. GC+E-96.
* “Green chemistry's role in recycling “Warner, John C., 21st Annual Green Chemistry & Engineering Conference, Reston, VA, United States, June 13-15, 2017, GC+E-62.
* “Green chemistry: Invention with intention to avoid harm” Warner, John C.; Anastas, Paul T., 21st Annual Green Chemistry & Engineering Conference, Reston, VA, United States, June 13-15, 2017. GC+E-41.
* “3D Printing Dye-Sensitized Solar Cells” Kurriss, Phoebe; Loebelenz, Jean; Warner, John C. 253nd ACS National Meeting & Exposition, San Francisco, CA, United States, April 2-6, 2017. CHED-022.
* “Green chemistry innovations through the lens of thermodynamics” Warner, John, 252nd ACS National Meeting & Exposition, Philadelphia, PA, United States, August 21-25, 2016 CHED-123.
* “Green chemistry: An opportunity for growth & competitive advantage” Warner, John, 252nd ACS National Meeting & Exposition, Philadelphia, PA, United States, August 21-25, 2016 MPPG-11.
* “Green chemistry education: Techniques and resources for adopting green chemistry theory and practice in K-​12 through higher education programs” Cannon, Amy; Warner, John; Anderson, Kate; Enright, Mollie, 251st ACS National Meeting & Exposition, San Diego, CA, United States, March 13-17, 2016 (2016), CHED-1737.
* “Technology greenhouse: Ideas through commercialization” Warner, John, 251st ACS National Meeting & Exposition, San Diego, CA, United States, March 13-17, 2016 (2016), INOR-646.
* “Eminent Scientist Lecture: What's in your chemical toolbox?” Warner, John C., 250th ACS National Meeting & Exposition, Boston, MA, United States, August 16-20, 2015 SOCED - 1
* “Green chemistry and entrepreneurship” Warner, John C.; Pont, Joseph, 250th ACS National Meeting & Exposition, Boston, MA, United States, August 16-20, 2015 CHED-129.
* “Teaching toxicology and environmental impact: A toxicology course for chemistry majors at Simmons College” Cannon, Amy S.; Warner, John C., 250th ACS National Meeting & Exposition, Boston, MA, United States, August 16-20, 2015 CHED-121.
* “Concrete solar cells? An investigation into an alternative form of alternative energy” Ackley, Brandon; Bianchini, Jason; Warner, John C., 249th ACS National Meeting & Exposition, Denver, CO, United States, March 22-26, 2015, CHED-163.
* “Warner Babcock Institute for Green Chemistry: Inventions in sustainability" Warner, John C., 248th ACS National Meeting & Exposition, San Francisco, CA, United States, August 10-14, 2014 SCHB-6.
* “Teaching toxicology in the chemistry curriculum” Cannon, Amy S.; Warner, John C., 248th ACS National Meeting & Exposition, San Francisco, CA, United States, August 10-14, 2014 CHED-174.
* “Green Chemistry and innovation: SCHB perspective” Warner, John C.; Pont, Joseph L. 248th ACS National Meeting & Exposition, San Francisco, CA, United States, August 10-14, 2014 CHED-130.
* “Decision making and innovation in commercial chemical research and development”, Warner, John C., 247th ACS National Meeting & Exposition, Dallas, TX, United States, March 16-20, 2014, SCHB-17.
* “Green Chemistry Commitment: Pathways for green chemistry adoption in higher education”, Cannon, Amy S.; Warner, John C., 247th ACS National Meeting & Exposition, Dallas, TX, United States, March 16-20, 2014, CHED-202.
* “[Weaving mechanistic toxicology into the chemistry curriculum](file://localhost/scifinder/references/answers/351EFFB9X86F35092X49673FCB2DF3E43DCF:3520AF83X86F35092X6F29265D549B3B0F3A/3.html%3fnav=eNpdkLEvA1Ecx3-uEREGLCJCDAYhedf0tGlTCW0ojctV2hKxyNO-tKd39857r9UuwoDBYlAWg8GmO_EnSIzCIhE7q8TkXUuEN_3y-37fJ9_ft_EG7QLasIBRLRjwxxJhbTUcSmhBfySwGkoEIoFQcDY4GYlrcX9Ci0nrBmfQu4krGFnYKaCkI0iBsL7Xi8uPvcOwAm1JaK9gq0yqDHp-fUbZ3iDsoFEf6jp5OVIAqi4A-CSwKGAwtpxdSKXXk8bKnJGVg5Fan0-nlpeSxryATtN2KROSwLdgB3zyH8htyXbTZOvfVmH0b744pRbBzv0I2304_3yX-dZ-8rmen3Ppn6CsgHKYI8pzmCFOWIUwlKc2Nh2Uo7ZNHZSRETIuyU0dX10Mnb3cKaDo0G3XUixvOthaJDUBY7oEqRKkNkFqC6S2QGoLpEpnVIcOu-YRuYAB3UurloVpqbrplEh-AfNihoho1XVluP7mMZ6M_shP1uNa_Xl82Ovy5-Sm61u_nd2vn95cT_q8rre7ZT090zPQfNUvOeijRw&key=caplus_2013:1016503&title=V2VhdmluZyBtZWNoYW5pc3RpYyB0b3hpY29sb2d5IGludG8gdGhlIGNoZW1pc3RyeSBjdXJyaWN1bHVt&launchSrc=reflist&pageNum=1&sortKey=ACCESSION_NUMBER&sortOrder=DESCENDING)”, Warner, John C. 17th Annual Green Chemistry & Engineering Conference, Bethesda, MD, United States, June 18-20, 2013, GCE-177.
* “Green Chemistry Commitment: Transforming chemistry education”; Cannon, Amy S.; Warner, John C.; Anderson, Kate, 245th ACS National Meeting & Exposition, New Orleans, LA, United States, April 7-11, 2013, CHED-79.
* “Green chemistry: The missing element”; Warner, John C., 245th ACS National Meeting & Exposition, New Orleans, LA, United States, April 7-11, 2013, CHED-1.
* “Green chemistry commitment: Transforming chemistry education”; Warner, John C.; Cannon, Amy S.; Anderson, Kate; Brush, Edward J., 244th ACS National Meeting & Exposition, Philadelphia, PA, United States, August 19-23, 2012, CHED-136.
* “Green chemistry: Theory and practice”; Warner, John C.; 244th ACS National Meeting & Exposition, Philadelphia, PA, United States, August 19-23, 2012, CHED-135.
* “Environmental concerns and chemical solutions: A first year chemistry course”; Warner, John C.; Cannon, Amy S., 243rd ACS National Meeting, San Diego, CA, United States, March 25-29, 2012, CHED-1563.
* “Green chemistry: New directions in science”; Warner, John C., 243rd ACS National Meeting, San Diego, CA, United States, March 25-29, 2012, CHED-8.
* “History and Principles of Green Chemisry”, Warner, John, 43rd Western Regional Meeting of the American Chemical Society, Pasadena, CA, United States, November 10-12, 2011, WRM-160
* “Green Chemistry: New Eyes and New Ideas in Science” Warner, John C. 242nd ACS National Meeting & Exposition, Denver, CO, August 28-September 1, 2011, CHED-5.
* “Green Chemistry: Sustainability with Nature’s Resources” Warner, John C. 241st ACS National Meeting, Anaheim, CA, March 27-31, 2011. CHED-1
* “Food and medicines of the future: The role of green chemistry” Warner, John C. 240th ACS
* National Meeting, Boston, MA, August 22-26, 2010. CHED-1
* “Green Chemistry Through Collaborative Innovation” Warner, John C. 239th ACS National Meeting, San Francisco, CA March 21-25, 2010. ORGN-347.
* “Green Chemistry: A Call to Arms” Warner, John C. 239th ACS National Meeting, San Francisco, CA March 21-25, 2010. CHED-1.
* “Town Hall Conversation with California Green Chemsitry Initiative” Warner, John C. 239th ACS National Meeting, San Francisco, CA March 21-25, 2010. SUST-11
* “There has Never Been a Better Time to Be a Chemist” Warner, John C. 37th Northeast Regional Meeting of the American Chemistry Society, Burlington, VT June 29- July 2, 2008. NERM-025
* “Science and Policy Perspectives on Sustainability” Warner, John C. 235th ACS National Meeting, New Orleans, LA April 6-10, 2008. IEC-126
* “Green chemistry laboratory and ACS SEED students: A unique match” Trakhtenberg, Sofia; Cannon, Amy S.; Boggs, Roger A.; Warner, John C. *234th ACS National Meeting*, Boston, MA, August 19-23, 2007. CHED-120.
* “Solution based sustainability centers” Warner, John C. *234th ACS National Meeting*, Boston, MA, August 19-23 2007. CHED-011.
* “Green Chemistry and Entropic Control in Materials Design” Warner, John C.. *35th Northeast Regional Meeting of the American Chemical Society*, Binghamton, NY, October 5-7 2006. NRM-290
* “Green Chemistry with Thymine Containing Photopolymers” Saito, Kei; Bianchini, Jason; Warner, John C. *35th Northeast Regional Meeting of the American Chemical Society*, Binghamton, NY, October 5-7 2006. NRM-218.
* “Green Chemistry: Necessary Steps to a Sustainable Future” Warner, John C. *Chemistry and Sustainable Development, 6th ANQUE International Congress of Chemistry.* Puerto de la Cruz, Tenerife, Spain December 5-7, 2006. Plenary Lecture
* “Core-bound nano micelles based on hydrogen bonding and photocrosslinking of thymine.” Saito, Kei; Ingalls, Laura R.; Warner, John C. *232nd ACS National Meeting*, San Francisco, CA, Sept. 10-14, 2006. POLY-353.
* “Photoreversible polymerization of thymine functionalized monomers based on noncovalent interaction.” Saito, Kei; Kiarie, Cecilia W.; Hayek, Rami E. I.; Warner, John C. *232nd ACS National Meeting*, San Francisco, CA, Sept. 10-14, 2006 IEC-074.
* “K-12 outreach and science literacy through green chemistry.” Cannon, Amy S.; Warner, John C. *232nd ACS National Meeting*, San Francisco, CA, Sept. 10-14, 2006. CHED-465.
* “Graduate degrees in green chemistry.” Warner, John C. *232nd ACS National Meeting*, San Francisco, CA, Sept. 10-14, 2006 CHED-434.
* “Noncovalent derivatization in pharmaceutical dissolution control”. Johnson, Abby M.; Warner, John C. *37th Great Lakes Regional Meeting of the American Chemical Society*, Milwaukee, WI, May 31-June 2, 2006, GLRM-355.
* “Green Chemistry and the Competitive Edge”. Warner, John C. *37th Great Lakes Regional Meeting of the American Chemical Society*, Milwaukee, WI, May 31-June 2, 2006,GLRM-025.
* “Synthesis of thymine-functionalized nano core-crosslinked micelles by poly(vinyl-benzylthymine)--poly(styrene sulfonic acid sodium salt)” Saito, Kei; Warner, John C. *231st ACS National Meeting*, Atlanta, GA, March 26-30, 2006 IEC-268.
* “Green Chemistry and Entropic Control in Materials Design” Warner, John C. *IUPAC Second International Symposium on Green/Sustainable Chemistry,* Delhi, India, January 10-13, 2006. PL-6.
* “Studies and properties of titanium dioxide dispersions.” Johnson, Abby; Cannon, Amy S.; Dua, Vineet; Warner, John C., *229th ACS National Meeting*, San Diego, CA, March 13-17, 2005. IEC-089.
* “Control of transition state geometry through noncovalent derivatization.” Warner, John C.; Pyers, John E. *229th ACS National Meeting*, San Diego, CA, March 13-17, 2005, IEC-088.
* “Quantitative study of photodimerization in thymine based polymers.” Kiarie, Cecilia W.; Warner, John C.; Trakhtenberg, Sofia; Dua, Vineet, *229th ACS National Meeting*, San Diego, CA, March 13-17, 2005, IEC-087.
* “Green chemistry considerations in the enzymatic construction of conductive nanocomposites.” Trakhtenberg, Sofia; Warner, John C.; Kumar, Jayant; Samuelson, Lynn; Bruno, Ferdinando F.; Nagarajan, Ramaswamy; Hangun-Balkir, Yelda. *229th ACS National Meeting*, San Diego, CA, March 13-17, 2005 IEC-144.
* “Structure-activity relationship of organic acids in titanium dioxide nanoparticle dispersions.” Cannon, Amy S.; Warner, John C.; Johnson, Abby; Dua, Vineet., *229th ACS National Meeting*, San Diego, CA, March 13-17, 2005, COLL-609.
* “Green Chemistry methods for a solid-state Diels-Alder [4 +2]cycloaddition reaction.” Whitfield, Justin R.; Warner, John C., *229th ACS National Meeting*, San Diego, CA, March 13-17, 2005, CHED-1461.
* “Illustrating green chemistry through hands-on learning from the "real world". Cannon, Amy S.; Trakhtenberg, Sofia; Warner, John C., *229th ACS National Meeting*, San Diego, CA, March 13-17, 2005, CHED-1335
* “Microwaves and Green Chemistry” Pal, Reshma; Pollastri, Michael *4th University of Massachusetts Green Chemistry Conference: Economic Success through Green Chemistry & University-Industry Partnerships*, Fall River, MA January 13, 2005.
* “Noncovalent Derivatization and Green Chemistry” Cannon, Amy S. *4th University of Massachusetts Green Chemistry Conference: Economic Success through Green Chemistry & University-Industry Partnerships*, Fall River, MA January 13, 2005.
* “Studies and Properties of Titanium Dioxide Dispersions” Johnson, Abby; Warner, John C. *4th University of Massachusetts Green Chemistry Conference: Economic Success through Green Chemistry & University-Industry Partnerships*, Fall River, MA January 13, 2005.
* “Enzymatic Degradation and Analysis of Environmentally Benign Photopolymers” Whitfield, Justin R.; Warner, John C. *4th University of Massachusetts Green Chemistry Conference: Economic Success through Green Chemistry & University-Industry Partnerships*, Fall River, MA January 13, 2005.
* “Controlled Release from Thymine Based Photopolymers” Siladi, Raina; Warner, John C. *4th University of Massachusetts Green Chemistry Conference: Economic Success through Green Chemistry & University-Industry Partnerships*, Fall River, MA January 13, 2005.
* “Synthesis and Studies of Photochromic Spiropyrans” Balin, Taylor; Cannon, Amy S.; Warner, John C. *4th University of Massachusetts Green Chemistry Conference: Economic Success through Green Chemistry & University-Industry Partnerships*, Fall River, MA January 13, 2005.
* “The Design of a Cost-Effective Titanium Dioxide Photo-Catalyst for the Removal of Arsenic in Drinking Water” Mendum, Ted; Cannon, Amy S.; Dye, Kevin; Johnson, Abby; Pyers, John; Warner, John C. *4th University of Massachusetts Green Chemistry Conference: Economic Success through Green Chemistry & University-Industry Partnerships*, Fall River, MA January 13, 2005.
* “Noncovalent Forces in Dye Sensitization of Titanium Dioxide Solar Energy Devices” Cain, Tim; Warner, John C. *4th University of Massachusetts Green Chemistry Conference: Economic Success through Green Chemistry & University-Industry Partnerships*, Fall River, MA January 13, 2005.
* “Relating the Principles” Dye, Kevin; Cannon, Amy S.; Warner, John C. *4thUniversity of Massachusetts Green Chemistry Conference: Economic Success through Green Chemistry & University-Industry Partnerships*, Fall River, MA January 13, 2005.
* “Environmentally Benign Photopolymers Based on DNA Mimics” Warner, John C. *ARCHIPOL 2005: III Argentine-Chilean Polymer Symposium*, Cordoba, Argentina, December 4-7, 2005, 13.
* “Bioinspired Thymine Containing Polymers: Synthesis, Characterization and Mathematical Modeling” Martino, D.; Estenoz, D; Warner, John C. *ENPROMER 2005, 2nd Mercosur Congress on Chemical Engineering, 4th Mercosur Congress on Process Systems Engineering*, Río de Janeiro, Brasil, August 14-18, 2005, 413.
* “Environmentally Benign Photopolymers Based on a DNA Mimic” Bianchini, Jason; Warner, John C. *Sukant Tripathy Annual Memorial Symposium*, Lowell, MA, December 3, 2004.
* “Structure-Activity Relationship of Organic Acids in Titanium Dioxide Nanoparticle Dispersions” Cannon, Amy S.; Warner, John C. *Sukant Tripathy Annual Memorial Symposium*, Lowell, MA, December 3, 2004.
* “Studies and Properties of Titanium Dioxide Dispersions” Johnson, Abby; Cannon, Amy S.; Dua, Vinneet; Warner, John C. *Sukant Tripathy Annual Memorial Symposium*, Lowell, MA, December 3, 2004.
* “Quantitative Study of Photodimerization in Thymine Based Polymers” Kiarie, Ceclia; Trakhtenberg, Sofia; Dua, Vineet; Warner, John C. *Sukant Tripathy Annual Memorial Symposium*, Lowell, MA, December 3, 2004.
* “Microwave Enhancement in 1,3-Dipolarcycloaddition Reactions of Arylnitrileoxices and Arylcinnamamides” Pal, Reshma; Warner, John C. *Sukant Tripathy Annual Memorial Symposium*, Lowell, MA, December 3, 2004.
* “Controlled Release from Thymine Based Photopolymers” Siladi, Raina; Warner, John C. *Sukant Tripathy Annual Memorial Symposium*, Lowell, MA, December 3, 2004.
* “Green Chemistry Considerations in the Enzymatic Construction of Conductive Nanocomposites” Trakhtenverg, Sofia; Hangun-Balkir, Yelda; Warner, John C.; Nagarajan, Ramaswamy; Bruno, Ferdinando F.; Samuelson, Lynn; Kumar, Jayant *Sukant Tripathy Annual Memorial Symposium*, Lowell, MA, December 3, 2004.
* “Enzymatic Degradation and Analysis of Environmentally Benign Photopolymers” Whitfield, Justin R.; Warner, John C. *Sukant Tripathy Annual Memorial Symposium*, Lowell, MA, December 3, 2004.
* “Environmentally Benign Synthesis of Photoactive Materials” Cannon, Amy S. *Synthesis in Transition: Taking the Green Route*, Groton, CT, November 17, 2004
* “The Low Temperature Preparation of Titanium Dioxide Semi Conductor Films” Cannon, Amy S.; Warner, John C. *6th Green Chemistry Conference*, Barcelona, Spain, November 9, 2004.
* “Molecular design for hazard reduction using green chemistry.” Anastas, Nicholas; Warner, John, *228th ACS National Meeting*, Philadelphia, PA, United States, August 22-26, 2004 TOXI-038.
* “If not you, who else is going to save the world?” Warner, John C., *228th ACS National Meeting,* Philadelphia, PA, United States, August 22-26, 2004, IEC-002.
* “Bridging the gap between science, safety and pollution prevention through green chemistry.” Warner, John C., *228th ACS National Meeting,* Philadelphia, PA, United States, August 22-26, 2004. CHAS-001
* “Control of Dissolution Kinetics Using Non-Covalent Derivatization” Lee, Dong E.; Warner, John C. *226th ACS National Meeting*, New York, NY, United States, September 7-11, 2003. IEC-108
* “Green Chemistry Modifications of Traditional Diels Alder [4+2] Cycloaddtion Syntheses” Whitfiedl, Justin R.; Warner John C. *226th ACS National Meeting*, New York, NY, United States, September 7-11, 2003. IEC-095
* “The Benign Construction of Dye Sensitized Solar Energy Devices: The Search for Truly Environmentally Friendly Alternative Energies” Cannon, Amy S.; Warner John C. *226th ACS National Meeting*, New York, NY, United States, September 7-11, 2003. IEC-080
* “Green chemistry in the chemical research lab.” Warner, John C. *36th Middle Atlantic Regional Meeting of the American Chemical Society*, Princeton, NJ, United States, June 8-11, 2003. 6.
* “Sustaining the earth with green chemistry.” Anastas, Paul T.; Warner, John C.; Kirchhoff, Mary M. *225th ACS National Meeting*, New Orleans, LA, United States, March 23-27, 2003. SOCED-001.
* “Reaction design and environmentally benign synthesis.” Pyers, John, IV; Warner, John C.; Cannon, Amy S. *225th ACS National Meeting*, New Orleans, LA, United States, March 23-27, 2003. IEC-151.
* “Optimization of photodimerization reactions toward the environmentally benign synthesis of stereospecific cyclobutane functionalities.” Pyers, John, IV; Warner, John C. *225th ACS National Meeting*, New Orleans, LA, United States, March 23-27, 2003. IEC-150
* “Green synthesis of cosensitizers used in dye-sensitized solar-energy devices.” Cannon, Amy S.; Warner, John C. *225th ACS National Meeting*, New Orleans, LA, United States, March 23-27, 2003. IEC-149.
* “Noncovalent derivatization of quinone and benzoin.” Turner, Michele; Cannon, Amy S.; Warner, John C. *225th ACS National Meeting*, New Orleans, LA, United States, March 23-27, 2003. IEC-148.
* “Dynamic control of noncovalent interactions in mesoscale assembly: Green chemistry in action.” Undurti, Arundhati; Warner, John C. *225th ACS National Meeting*, New Orleans, LA, United States, March 23-27, 2003. IEC-147
* “Joe Breen: The heart and soul of green chemistry.” Anastas, Paul T.; Kirchhoff, Mary M.; Warner, John C. *225th ACS National Meeting*, New Orleans, LA, United States, March 23-27, 2003. IEC-139.
* “Green Chemistry and Science Education for Everyone” Warner, John C. *The First International Conference on Green & Sustainable Chemistry*, Waseda University, Tokyo, Japan, March, 2003.
* “The Green Synthesis of Organic Co-Sensitizers for their use in Dye-Sensitized Solar Energy Devices” Cannon, Amy S.; Warner, John C. *The First International Conference on Green & Sustainable Chemistry*, Waseda University, Tokyo, Japam, March, 2003.
* “Bioinspired Water-Soluble Thymine Based Polymers” Raudys, Jennifer; Warner, John C. *The First International Conference on Green & Sustainable Chemistry*, Waseda University, Tokyo, Japam, March, 2003.
* “Non-Covalent Derivatization: Solving Real World Problems at the Molecular Level with Green Chemistry” Turner, Michele; Cannon, Amy S.; Warner, John C. *The First International Conference on Green & Sustainable Chemistry*, Waseda University, Tokyo, Japam, March, 2003.
* “Green Chemistry Considerations in the Construction of Solar Energy Devices” Cannon, Amy S.; Warner, John C. 6th *Annual Green Chemistry and Engineering Conference Proceedings*, Washington, DC, 2002.
* “Templated photodimerization: Green chemistry applications toward the synthesis of natural products.” Pyers, John E., IV; Warner, John C. *224th ACS National Meeting*, Boston, MA, United States, August 18-22, 2002. MEDI-406.
* “Green chemistry considerations in a pharmaceutical synthesis.” Undurti, Arundhati; Warner, John C. *224th ACS National Meeting*, Boston, MA, United States, August 18-22, 2002. MEDI-405.
* “The green chemistry Ph.D. program at UMASS Boston.” Cannon, Amy S.; Warner, John C. *224th ACS National Meeting*, Boston, MA, United States, August 18-22, 2002. CHED-274.
* “Correlating real world green chemistry examples to classroom topics.” Warner, John C. *224th ACS National Meeting*, Boston, MA, United States, August 18-22, 2002. CHED-272.
* “A lab's eye view of XL.” Warner, John C. *224th ACS National Meeting*, Boston, MA, United States, August 18-22, 2002. CHAS-013.
* “Green chemistry considerations in the design of small molecules for protein interactions.” Undurti, Arundhati; Mullin, Steven; Shvirsky, Rachel; Warner, John C. *224th ACS National Meeting*, Boston, MA, United States, August 18-22, 2002. BTEC-012.
* “Bio-inspired thymine polymers and the enzymatic reversal of photocrosslinking.” Lloyd-Kindstrand, Lisa; Warner, John C. *224th ACS National Meeting*, Boston, MA, United States, August 18-22, 2002. BTEC-009.
* “Bioinspiration and the use of noncovalent interactions in green chemistry.” Pyers, John E., IV; Cannon, Amy S.; Lloyd-Kindstrand, Lisa; Warner, John C. *224th ACS National Meeting*, Boston, MA, United States, August 18-22, 2002.
* “Green Chemistry Considerations in Construction of Solar Energy Devices” Cannon, Amy S.; Warner, John C. *6th Annual Green Chemistry and Engineering Conference*, Washington, D.C., June, 2002.
* “Molecular Strands Within Inert Solid Matrices” Lo, Wen Feng; Warner, John C. *6th Annual Green Chemistry and Engineering Conference*, Washington, D.C., June, 2002.
* “Integrating Research and Teaching in Green Chemistry” Pyers, John E.; Warner, John C. *6th Annual Green Chemistry and Engineering Conference*, Washington, D.C., June, 2002.
* “Green Chemistry Considerations in a Pharmaceutical Synthesis” Undurti, Arundhati; Warner, John C.; *6th Annual Green Chemistry and Engineering Conference*, Washington, D.C., June, 2002.
* “Green chemistry: practicing environmentally benign chemistry.” Anastas, Paul T.; Warner, John C.; Kirchhoff, Mary M. 223rd ACS National Meeting, Orlando, FL, United States, April 7-11, 2002.
* “Non Covalent Derivatization Related to Pharmaceuticals.” Cannon, Amy S.; Warner, John C. *223rd ACS NationalMeeting*, Orlando, FL, United States, April 7-11, 2002.
* “Environmentally Benign Photopolymers for Pharmaceutical Applications.” Warner, John C.; Lloyd-Kindstrand, Lisa; Raudys, Jennifer; Andreyeva, Mariya. *223rd ACS National Meeting*, Orlando, FL, United States, April 7-11, 2002.
* “Templated Photodimerization of Cinnamamides.” Pyers, John E.; Warner, John C. *223rd ACS National Meeting Orlando*, FL, United States, April 7-11, 2002.
* “Structural Control in Binary Phenol-Amide Systems.” Warner, John C.; Cannon, Amy S.; Foxman, Bruce M.; Bourghol, Magali. *223rd ACS National Meeting*, Orlando, FL, United States, April 7-11, 2002.
* “Green chemistry considerations in a pharmaceutical synthesis.” Undurti, Arundhati; Warner, John C. *223rd ACS National Meeting*, Orlando, FL, United States, April 7-11, 2002.
* “Enzymatic processing of thymine containing photopolymers.” Lloyd-Kindstrand, Lisa; Warner, John C. *223rd ACS National Meeting*, Orlando, FL, United States, April 7-11, 2002.
* “Green chemistry in the construction of photovoltaic devices.” Cannon, Amy S.; Warner, John C. *223rd ACS National Meeting*, Orlando, FL, United States, April 7-11, 2002.
* “Joe Breen: The heart and soul of green chemistry.” Warner, John C.; Kirchhoff, Mary M.; Anastas, Paul T. *223rd ACS National Meeting*, Orlando, FL, United States, April 7-11, 2002.
* “Green Chemistry: Environmental and Economic Considerations During the Design Stage of Product Development.” Warner, John C. *International Symposium on Catalysis and Fine Chemicals 2001*, Waseda University, Tokyo Japan, March, 2001.
* “Green Chemistry: Education and Training” Warner, John C. *Chemical Research Applied to World Needs XIV*, Boulder Colorado, June 2001.
* “An Overview of Green Chemistry.” Warner, John C. *Macromolecular-Metal Complexes 9*, Brooklyn, NY, August, 2001.
* “Yield optimization of photochemical dimerization reactions toward the synthesis of natural products.” Warner, John C.; Pyers, John E. *221st ACS National Meeting*, San Diego, CA, United States, April 1-5, 2001.
* “Ionic liquids in crystal engineering: Establishing structure-activity relationships and the thermodynamics of crystallization by differential scanning calorimetry.” Warner, John C.; Cannon, Amy S. *221st ACS National Meeting*, San Diego, CA, United States, April 1-5, 2001.
* “Environmentally benign processing of thymine based plastics.” Warner, John C.; Norman, James J. *221st ACS National Meeting*, San Diego, CA, United States, April 1-5, 2001.
* “Bioinspiration: Controlling the physical properties by using non-covalent bonds.” Jeganathan, Mirnahini, Sr.; Warner, John C. *221st ACS National Meeting*, San Diego, CA, United States, April 1-5, 2001.
* “Bio-Based Synthesis and Processing – Session Chair” Warner, John C. *4th Annual Green Chemistry and Engineering Conference*, Washington, DC, June 2000.
* “Linking Undergraduate Research and Teaching Through Green Chemistry.” Warner, John C. *Bienniel Conference of Chemical Education*, Ann Arbor, MI, July, 2000.
* “Green Chemistry Lab Modules.” Warner, John C. *Bienniel Conference of Chemical Education*, Ann Arbor, MI, July, 2000.
* “Non-covalent derivatization: Pollution prevention using molecular recognition and self assembly.” Warner, John C.; Cesar, Guimy; Epie, Felix; Morelli, Alessandra; Najah, Samira; Wang, Jun. *220th ACS National Meeting*, Washington, DC, United States, August 20-24, 2000.
* “Green photoresists based on DNA photodimerization.” Warner, John C.; Morelli, Alessandra; Dew, Shana; Lloyd-Kindstrand, Lisa. *220th ACS National Meeting*, Washington, DC, United States, August 20-24, 2000.
* “Templated photodimerization of N,N-dialkylcinnamamides.” Warner, John C.; Ferla, Brian. *220th ACS National Meeting*, Washington, DC, United States, August 20-24, 2000.
* “Green chemistry laboratory for education and research in sustainable innovation.” Warner, John C. *220th ACS National Meeting*, Washington, DC, United States, August 20-24, 2000.
* “Non-Covalent Derivatives of Hydroquinone: Bis-(N,N-Dialkyl)Bicyclo[2.2.2]octane-1,4-dicarboxamide Complexes.” Foxman, Bruce M.; Guarrera, Pai, Ramdas; Tassa, Carlos; Donna J.; Warner, John C. *Crystal Enginerering* 1999 *2(1),* 55.
* “Green Chemistry: Interdisciplinary Research, Environmental Reality and the Economic Bottom Line at the Scientific Frontier.” Warner, John C. *The Seventh International Symposium on New Chemistry*, Yokahama, Japan, October, 1999.
* “Green chemistry: Interdisciplinary research, environmental realities, and the economic bottom line at the frontiers of science.” Warner, John C. *218th ACS National Meeting*, New Orleans, LA, United States, August 22-26, 1999.
* “Environmentally benign polymers based on DNA mimics.” Warner, John C.; Morelli, Alessandra; Ku, Man Ching. *218th ACS National Meeting*, New Orleans, LA, United States, August 22-26, 1999.
* “Using multidimensional self-assembly to control physical properties.” Warner, John C.; Tassa, Carlos. *218th ACS National Meeting*, New Orleans, LA, United States, August 22-26, 1999.
* "Enzyme Mediated Photoreactions of DNA Mimics.” Warner, John C. *Bio/Environmental Degradable Polymers Society National Meeting*, New Orleans, LA, August, 1999.
* “Green chemistry in undergraduate education.” Warner, John C. *217th ACS National Meeting*, Anaheim, CA, March 21-25, 1999.
* “Reactions of benzaldoximoyl chlorides with organic oxides.” Bui, Khai; Warner, John C. *217th ACS National Meeting*, Anaheim, CA, March 21-25, 1999.
* “Non-covalent derivatives of hydroquinone: Binary derivatives in one, two and three dimensions.” Jian, Tianying; Cesar, Guimy; Epie, Felix; Warner, John C. *217th ACS National Meeting*, Anaheim, CA, March 21-25, 1999.
* “Hydrogen bond mediated photo-dimerization in synthetic analogs of DNA.” Morelli, Alessandra; Palmer, Tiffany; Pressler, Whitney; Priego, Michelle; Warner, John C. *217th ACS National Meeting*, Anaheim, CA, March 21-25, 1999.
* “Non-covalent derivatization: Control of physical properties using molecular recognition and self assembly.” Warner, John C. *217th ACS National Meeting*, Anaheim, CA, March 21-25, 1999.
* “Triazine dyes inhibit the activity of the bacterial toxin colicin V.” Mullin, Steven; Eristi, Can; Warner, John C.; Skvirsky, Rachel. *217th ACS National Meeting*, Anaheim, CA, March 21-25, 1999.
* “Crystal packing in binary organic solids. Warner, John C.; Bai, Jie; DeVincent, Donna; Foxman, Bruce M.; Tassa, Carlos. *217th ACS National Meeting*, Anaheim, CA, March 21-25, 1999.
* “Hydrogen Bond Mediated Photo-Dimerization In Synthetic Analogs of DNA: Environmentally Benign Photoresists.” Warner, John C. *2nd Annual Green Chemistry and Engineering Conference*, Washington, DC, June, 1998.
* “Non Covalent Derivatization.” Warner, John C. *26th Australasian Chemical Engineering Conference*, Port Douglas, North Queensland, Australia, September, 1998.
* “Structure and properties of dipyridylcarbonate complexes.” Haverty, Michael G.; Warner, John C. *216th ACS National Meeting*, Boston, MA, August 23-27, 1998.
* “The influence of hydrogen bonding on polymeric thymine photodimerization.” Palmer, Tiffany; Schwartz, Marietta; Warner, John C. *216th ACS National Meeting*, Boston, MA, August 23-27, 1998.
* “Effect of TiO2 morphology on dye binding.” Pressler, Whitney A.; Morelli, Alessandra; Warner, John C. *216th ACS National Meeting*, Boston, MA, August 23-27, 1998.
* "Non-Covalent Derivatization: Evaluation of -Stacking in Self-Assembled Systems Using the Amide-Phenol Hydrogen Bond" Tassa, Carlos; Warner, John C. *IXth Midwest Organic Solid State Chemistry Symposium*, Manhattan, Kansas, June, 1998.
* “Non-Covalent Derivatization: Environmentally Benign Synthesis via Self-Assembly”, Warner, John C. *5th Chemical Congress of North America*, Cancun, Mexico, November, 1997.
* “The Role of Academia in Green Chemistry in the United States”. Warner, John C. *5th Chemical Congress of North America*, Cancun, Mexico, November, 1997.
* “Non-Covalent Derivatization: Supramolecular Assemblies as Environmentally Benign Green Chemistry.” Warner, John C. *31st Annual Middle Atlantic Regional American Chemical Society Meeting*, Pleasantville, NY, May, 1997.
* “Green Chemistry: A New Approach to Pollution Prevention.” Warner, John C. *31st Annual Middle Atlantic Regional American Chemical Society Meeting*, Pleasantville, NY, May, 1997.
* “Progress in Non-Covalent Derivatization.” Warner, John C. *1st Annual Green Chemistry and Engineering Conference*, Washington, DC, June, 1997.
* “Pollution prevention using non-covalent derivatization: Evaluation of Pi-stacking in self-assembled systems.” Foxman, Bruce M.; Guarrera, Donna J.; Warner, John C. *213th ACS National Meeting*, San Francisco, CA, April 13-17, 1997.