John C. Warner

100 Research Drive
Wilmington, MA 01887
978-225-5420
John@JohnWarner.Org
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).

While a senior research group leader at the Polaroid Corporation (1988-1997) Warner coauthored the defining text for the field of Green Chemistry with Paul Anastas and codified the 12 Principles of Green Chemistry. He is the editor of the journal "Green Chemistry Letters and Reviews". Warner is on the advisory panel for the Ellen MacArthur Foundation's New Plastics Economy has been elected a full member of the Club of Rome and is an advisor for Parley for the Oceans where in 2016 he helped create the technology for the Adidas Parley Recycled Ocean Plastics Shoe. He has served as sustainability advisor for several multinational companies. 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".

The Warner Babcock Institute for Green Chemistry (WBI) is an independent 42,000 sq ft (4000 sq m) research laboratory in Wilmington, Massachusetts fully equipped with state-of-the-art chemistry and engineering equipment. With over 230 patents across more than 70 patent families, he has worked with over 100 fortune 500 companies helping to invent commercially relevant (high performance and appropriate cost) green chemistry technologies across all sectors of the chemical industry. His chemistry inventions have served as the foundation for several new companies, examples include: Collaborative Medicinal Development (ALS Therapy, Phase II Clinical Trials), Hairprint (hair color restoration), Collaborative Aggregates (Delta-S and Delta-Mist, asphalt warm mix, rejuvenator, & spray coat), Ambient Photonics (Lowlight Indoor Solar Energy devices for IoT and BIPV) Formaldehyde and Isocyanate Free wood composite adhesive, and Lithium Cobalt Battery recycling technology.

In 2007 Warner cofounded the nonprofit organization Beyond Benign with Amy Cannon. Collocated at the WBI labs in Wilmington, MA, Beyond Benign creates curricula and training for K-12 and university educators to incorporate concepts of green chemistry an sustainability to improve STEM education. Beyond Benign administers the Green Chemistry Commitment, asking University Chemistry departments to incorporate the principles of green chemistry into their mainstream curricula.

John has received awards as an academic (PAESMEM – President G. W. Bush & NSF, 2004), industrial chemist (Perkin Medal – Society of Chemical Industry, 2014), inventor (Lemelson Ambassadorship – Lemelson Foundation & AAAS) and for governmental chemicals policy (Reinventing Government National Performance Review – Vice President A. Gore & EPA, 1997). 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. He serves as Distinguished Professor of Green Chemistry at Monash University in Australia and 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 John.Warner@WarnerBabcock.Com
	Beyond Benign Co-Founder John_Warner@BeyondBenign.Org
February 2019 – Present	**Monash University** Distinguished Professor of Green Chemistry John.Warner@Monash.Edu
December 2015 – Present	**Harvard University** Adjunct, Extension School, Green Chemistry JohnWarner@FAS.Harvard.Edu

January 1996 – August 2007

University of Massachusetts
Director, Center for Green Chemistry, Lowell [2004-2007]
Professor (Tenured), Plastics Engineering, Lowell [2004-2007]
Professor (Tenured), Community Health and Sustainability [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:

"Jean Dreyfus Lectureship" Southern California Conference on Undergraduate Research. **2019**
"Doris and Kenneth Kolb Chemistry Lecture" Bradley University **2019**
"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
Pearsons Organic Chemistry Advisory Board

American Chemical Society, Fellow
Royal Society of Chemistry, Fellow
Royal Australian Chemistry Institute
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
Victorian, Australia EPA Strategic Advisor
Founding Stakeholder, Presidential Green Chemistry Challenge
Ellen MacArthur Foundation – The New Plastics Economy, Advisory Panel.
Parley for the Oceans, Advisor
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
Nike, Sustainability Advisory Board
Levis, Sustainability Advisor
Biogen, Sustainability Advisory Panel
DexLeChe, Advisor

University Classes Taught:

Intro Chemistry I & II
Organic Chemistry I & II
Biochemistry I & II
Physiological Chemistry I & II
Nutrition
Medicinal Chemistry
Polymer Chemistry
Biophysical Chemistry
Chemistry and the Environment
Chemical Dynamics
Chemical Structure
Chemical Synthesis
Experimental Conceptualization
Introduction to Green Chemistry
Principles of Green Chemistry
Mechanistic Toxicology
Toxicology and Env. Health Sciences for Chemists
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)

Recent 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: (235 Patent Applications in 72 Patent Families)

72. "Methods of producing metal oxide films, patterned metal oxide surfaces, and filtration of volatile organic compounds"
Warner, John C.,
Priority Date: June 2, 2017 - WBI
(235) World Intellectual Property Organization (PCT) WO 2018/222976 Filed June 1, 2018.
(234) United States Provisional Patent Application US 65/514,004 Filed June 2, 2017.

71. "Non-covalent derivatives of histone deacetylase inhibitors and methods of treatment"
Baldino, Carmen M., Muollo, Laura, Warner, John C.,
Priority Date: June 1, 2017 - WBI
(233) World Intellectual Property Organization (PCT) WO 2018/222572 Filed May 29, 2018.
(232) United States Provisional Patent Application US 62/516,585 Filed June 1, 2017.

70. "Stilbene and fused stilbene derivatives as solar cell dyes"
Warner, John C.
Priority Date: May 9, 2017 - WBI
(231) World Intellectual Property Organization (PCT) WO 2018/208712 Filed May 8, 2018.
(230) United States Provisional Patent Application US 62/503,645 Filed May 9, 2017.

69. "Biodegradable alternative to polyurethane-based foam cushioning"
Warner, John C.; Whitefield, Justin R.; Polley, Jennifer Dawn; Stoler, Emily Jennifer,
Priority Date May 3, 2017 - WBI
(229) World Intellectual Property Organization (PCT) WO 2018/204565 Filed May 3, 2018.
(228) United States Provisional Application US 62/500,826 Filed May 3, 2017.

68. "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 - Nike
(227) World Intellectual Property Organization (PCT) WO 2018/156689 Filed February 22, 2018.
(226) United States Patent Application US 2018/0235316 Filed February 17, 2017.

67. "Tunable adhesive compositions and methods."
Long, Elisha; Warner, John C.; Whitfield, Justin; Dorogy, Bill; Kearney, Frederick Richard,
Priority Date: November 8, 2016 – Caddis Adhesives
(225) World Intellectual Property Organization (PCT) WO 2018/094357 Filed November 20, 2017.
(224) United States Patent Application U S2018/0346778A1 Filed May 31, 2018.

66. "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 – Lanxess Solutions US
(223) United States Patent Application US 2018/0223172 Filed April 3, 2018.

65. "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 – Lanxess Solutions US
(222) Israel Patent Application IL 264231 Filed January, 13 2019.
(221) Indian Patent Application IN 2019/17,000,141 Filed January 2, 2019.
(220) Australia Patent Application AU 2017/296043 Filed July 14, 2017.
(219) World Intellectual Property Organization (PCT) WO 2018/013949 Filed July 14, 2017.
(218) United States Patent Application US 2018/0016484 July 14, 2017.

64. "Bisphenol-A free crosslinked polymer compositions."
Warner, John C.; Whitfield, Justin; Kearney, Frederick R.; Gladding, Jeffrey; Hari, Anitha,
Priority Date: June 27, 2016 - WBI
(217) Korea Patent Application KR 2019/0022788 Filed June 27, 2017.
(216) Australia Patent Application AU 2017/289153 Filed June 27, 2017.
(215) World Intellectual Property Organization (PCT) WO 2018/ 005430 Filed June 27, 2017.
(214) United States Provisional Patent US 62/355,074 Filed June 27, 2016.

63. "Photochromic water harvesting platform."
Warner, John C.; Cheruku, Srinivasa R.; Trakhtenberg, Sofia
Priority Date: June 23, 2016 - WBI
(213) Australia Patent Application AU 2017/281784 Filed June 23, 2017.
(212) World Intellectual Property Organization (PCT) WO 2017/223397 Filed June 23, 2017.
(211) United States Provisional Application US 62/353,925 Filed June 23, 2016.

62. "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. - WBI
(210) Australia Patent Application AU 2017/281523 Filed June 23, 2017.
(209) World Intellectual Property Organization (PCT) WO 2017/223413 Filed June 23, 2017.
(208) United States Provisional Patent Application US 62/353,805 Filed June 23, 2016.

61. "Lignocellulosic composites and methods of making same."
Warner, John C.; Whitfield, Justin R.; Gladding, Jeffery A.; Allen, Richard M.,
Priority Date: May 26, 2016 – WBI/Collaborative Aggregates
(207) European Patent Office Patent Application EP 3302969 Filed mAy 26, 2016.
(206) Canadian Patent Application CA 2986427 Filed May 26, 2016.
(205) Japan Patent Application JP 2018/516784 Filed May 26, 2016.
(204) Australia Patent Application AU 2016/267104 Filed May 26, 2016.
(203) World Intellectual Property Organization (PCT) WO 2016/191521 Filed May 26, 2016.
(202) United States Patent Application US 2018/0147824 Filed May 26, 2016.

60. "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 – WBI/Natura Cosmeticsicos
(201) Chile Patent Application CL 2018/001800 Filed June 29, 2018.
(200) Mexico Patent Application 2018/008138 Filed December 29, 2016.
(199) South Korea Patent Application KR 2018/0123010 Filed December 29, 2016.
(198) Brazilian Patent Application BR 112018013359 Filed December 29, 2016.
(197) Australia Patent Application AU 2016/379964 Filed December 29, 2016.
(196) European Patent Office Patent Application EP 3397237 Filed December 29, 2016.
(195) Argentina Patent Application AR 107239 Filed December 28, 2016.
(194) World Intellectual Property Organization (PCT) WO 2017/112999 Filed December 29, 2016.
(193) United States Patent Application US 2017/0189310 Filed December 30, 2015.

59. "Thermal recording materials containing phosphate modifier."
Chaker, Fadi; Warner, John Charles; Whitfield, Justin Robert; Li Lugus, Michelle Wanchi; Banerjee, Deboshri,
Priority Date: December 18, 2013 - Appvion
(192) Canadian Patent Application CA 2915013 Filed December 2, 2014.
(191) European Patent Office Patent Application EP 3083262A Filed December 2, 2014.
(190) China Patent **CN 105358328** Filed December 2, 2014. Granted September 7, 2018.
(189) World Intellectual Property Organization (PCT) WO 2015/094630 Filed December 2, 2014.
(188) United States Patent **US 9,126,451** Filed December 18, 2013. Granted September 8. 2015.

58. "Stilbene derivatives for the treatment of CNS and other disorders"
Warner, John C.
Priority Date: May 9 2017 - WBI
(187) World Intellectual Property Organization (PCT) WO 2018/208709 Filed May 8, 2018.
(186) United States Provisional Patent Application US 62/503,654 Filed May 8, 2018.

57. "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 - WBI
(185) Israel Patent Application IL 259674 Filed May 29, 2018.
(184) Australia Patent Application AU 2016/353004 Filed November 10, 2016.
(183) China Patent Application CN 108699019 Filed November 10, 2016.
(182) European Patent Office Patent Application EP 3374354 Filed November 10, 2016.
(181) Japan Patent Application JP 2019/501875 Filed November 10, 2016.
(180) Canadian Patent Application CA 3005212 Filed November 10, 2016.
(179) World Intellectual Property Organization (PCT) WO 2017/083488 Filed November 10, 2016.
(178) United States Patent Application US 2018/0346433 Filed November 10, 2016.

56. "Preparation of dipyridyl thiosemicarbazones as anticancer agents."
Warner, John C.; Gladding, Jeffery A.; Cheruku, Srinivasa R.,
Priority Date: September 29, 2015 – Oncochel Therapeutics
(177) World Intellectual Property Organization (PCT) WO 2017/058748 Filed September 27,2016.
(176) United States Provisional Patent Application US 62/234,198 Filed September 29, 2015.

55. "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 - WBI
(175) United States Patent **US 9,932,424** Filed November 16, 2015. Granted April 3, 2018.

54. "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 – NBD Nanotechnologies
(174) Japan Patent Application JP 2018/510862 Filed March 9, 2016.
(173) European Patent Office Patent Application EP 3268412 Filed March 9, 2016.
(172) World Intellectual Property Organization (PCT) WO 2016/145060 Filed March 9, 2016.
(171) United States Patent **US 10,740,059** Filed March 9, 2016. Granted January 1, 2019.

53. "Processes for preparing functionalized f-poss monomers."
Warner, John C.; Loebelenz, Jean R.; Cheruku, Srinivasa Rao; Gero, Thomas Woodrow,
Priority Date: February 19, 2015 – NBD Nanotechnologies
(170) European Patent Office Patent Application EP 3259278 Filed February 19, 2016
(169) Japan Patent Application JP 2018/512382 Filed February 19, 2016.
(168) World Intellectual Property Organization (PCT) WO 2016/134207 Filed February 19, 2016.
(167) United States Patent **US 9,630,981** Filed February 19, 2016. Granted April 25, 2017.

52. "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 – NBD Nanotechnologies
(166) China Patent Application CN 109503652 Filed September 14, 2018.
(165) European Patent Office Patent Application EP 3456723 Filed September 14, 2018.
(164) United States Patent Application US 2018/0094006 Filed Septamber 14, 2017.

51. "Synthetic Blend Fluorinated Polyhedral Oligomeric Silsesquioxane (F-POSS) compositions formed from multiple feedstock materials. Continuation."
Warner, John Charles,
Priority Date: October 7, 2014 – NBD Nanotechnologies
(163) United States Patent **US 10,208,070** Filed August 8, 2016. Granted February 18, 2019.

50. "Synthetic blend Fluorinated Polyhedral Oligomeric Silsesquioxane (F-POSS) compositions formed from multiple feedstock materials."
Warner, John Charles,

Priority Date: October 7, 2014 – NBD Nanotechnologies
(162) European Patent Office Patent Application EP 3204450 Filed October 7, 2015.
(161) Japan Patent Application JP 2017/538791 Filed October 7, 2015.
(160) World Intellectual Property Organization (PCT) WO 2016/057599 Filed October 7, 2015.
(159) United States Patent **US 9,409,933** Filed October 7, 2015. Granted August 9, 2016.

49. "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 - Solazyme
(158) World Intellectual Property Organization (PCT) WO 2015/196134 Filed June 19, 2015.
(157) United States Provisional Patent Application US 62/015,154 Filed June 20, 2014.

48. "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 – Naucity Pharmaceuticals
(156) United States Patent **US 9,889,103** Filed September 6, 2017. Granted February 13, 2018.

47. "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– Naucity Pharmaceuticals
(155) European Patent Office Patent Application EP 3122342 Filed March 27, 2015.
(154) World Intellectual Property Organization (PCT) WO 2015/148880 Filed March 27, 2015.
(153) United States Patent **US 9,763,902** Filed March 27, 2015. Granted Septamber 19, 2017.

46. "Metal complexes and methods of treatment."
Warner, John C.; Cheruku, Srinivasa R.; Hari, Anitha; Norman, James J.,
Priority Date: November 11, 2013 – WBI/Collaborative Medicinal Development
(152) Israel Patent Application IL 245593 Filed May 10, 2016.
(151) Australia Patent **AU 2014/346476** Filed November 10, 2014. Granted January 24, 2019.
(150) European Patent Office EP 3068762 Filed November 10, 2014.
(149) Japan Patent Application JP 2016/540828 Filed November 10, 2014.
(148) China Patent Application CN 105899519 Filed November 10, 2014.
(147) Canadian Patent Application CA 2930290 Filed November 10, 2014.
(146) World Intellectual Property Organization (PCT) WO 2015/070177 Filed November 10, 2014.
(145) United States Patent Application US 2016/0271175 Filed November 10, 2014.

45. "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 – WBI/Collaborative Aggregates
(144) Australia Patent Application AU 2018/256540 Filed October 31, 2018.
(143) United States Patent Application US 2018/0257985 Filed May 14, 2018.

44. "Asphalt binder additive compositions and related methods."
Warner, John C.; Muollo, Laura Rose; Walker, Rowan Lewis; Bianchini, Jason R.,
Priority Date: November 11, 2013– WBI/Collaborative Aggregates
(142) Japan Patent JP 6,474,085 Filed November 10, 2014. Granted February 27, 2019..
(141) Australia Patent AU 2014346479 Filed November 10, 2014. Granted August 2, 2018.
(140) European Patent Office EP 3107958 Filed November 10, 2014.
(139) World Intellectual Property Organization (PCT) WO 2015/070180 Filed November 10, 2014.
(138) United States Patent **US 9,994,485** Filed November 10, 2014. Granted June 12, 2018

43. "Formulation and processes for hair coloring, Continuation."
Warner, John C.; Muollo, Laura; Stewart, Amie,
Priority Date: October 14, 2013 – WBI -> Hairprint
(137) United States Patent **US 9,522,102** Filed September 9, 2014. Granted December 20, 2016.

42. "Formulation and processes for hair coloring."
Warner, John C.; Muollo, Laura; Stewart, Amie,
Priority Date: October 14, 2013– WBI -> Hairprint
(136) South Africa Patent Application ZA 2016/03186 Filed May 11, 2016.
(135) Israel Patent Application IL 245082 Filed April 13, 2016.
(134) Brazilian Patent Application BR 102014025546 Filed October 14, 2014.
(133) Japan Patent JP 6449269 Filed January 25, 2014. Granted January 9, 2019.

(132) European Patent Office EP 3057561 Filed January 25, 2014.
(131) China Patent Application CN 105792797 Filed January 25, 2014.
(130) South Korea Patent Application KR 2016/0068958 Filed January 25, 2014.
(129) Australia Patent Application AU 2014/337395 Filed January 25, 2014.
(128) World Intellectual Property Organization (PCT) WO 2015/057254 Filed January 25, 20134
(127) United States Patent **US 8,828,100** Filed October 14, 2013. Granted September 9, 2014.

41. "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 - WBI
(126) European Patent Office **EP 3041840** Filed August 29, 2014. Granted February 28, 2018.
(125) World Intellectual Property Organization (PCT) WO 2015/034785 Filed August 29, 2014.
(124) United States Patent **US 9,394,299** Filed August 29, 2013. Granted July 19, 2016.

40. "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 – Empire Technology Development
(123) China Patent Application CN 105592893 Filed October 2, 2013.
(122) World Intellectual Property Organization (PCT) WO 2015/050542 Filed October 2, 2013.
(121) United States Patent Application US 2016/0312121 Filed October 2, 2013. Abandoned

39. "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 – Empire Technology Development
(120) World Intellectual Property Organization (PCT) WO 2015/026353 Filed August 22, 2013.
(119) United States Patent **US 9,856,381** Filed August 22, 2013. Granted January 2, 2018.

38. "Flexible microreactors."
Warner, John C.,
Priority Date: June 18, 2013 – John C. Warner -> WBI
(118) United States Patent Application US 2014/0369901 Filed June 18, 2013. Abandoned

37. "Thermal imaging."
Warner, John C.,
Priority Date: June 18, 2013 – John C. Warner -> WBI
(117) United States Patent **US 10,245,867** Filed June 18, 2013, Granted April 2, 2019.

36. "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 – WBI/Collaborative Medicinal Development
(116) Japan Patent **JP 6345674** Filed September 27, 2013. Granted June 20, 2018.
(115) China Patent **CN 10499485** Filed September 27, 2013. Granted November 30, 2018.
(114) European Patent Office EP 2900239 Filed September 27, 2013. Granted March 20, 2019.
(113) Canadian Patent Application CA 2886749 Filed September 27, 2013.
(112) Brazilian Patent Application BR 112015007095 Filed September 27, 2013.
(111) South Korea Patent Application KR 2015/0060775 Filed September 27, 2013.
(110) Australia Patent **AU 2013/323198** Filed September 27, 2013. Granted March 29, 2018.
(109) World Intellectual Property Organization (PCT) WO 2014/052906 Filed September 27, 2013.
(108) United States Patent **US 10,047,089** Filed September 27, 2013. Granted August 14, 2018.

35. "Electronic Device and corrosion resistant electrode stack therein."
Plavisch, Lauren; Ricci, Melissa; Warner, John C.,
Priority Date: April 10, 2012 - WBI
(107) United States Patent Application US 2013/0263921 April 10, 2012. Abandoned

34. "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 - WBI
(106) United States Patent Application US 2013/0180587 Filed January 17, 2012. Abandoned

33. "Dye formulation for fabricating dye sensitized electronic devices."

Warner, John C.; Viola, Michael S.,
Priority Date: September 23, 2011 - WBI
(105) United States Patent Application US 2013/0074935 Filed Selptember 23, 2011. Abandoned

32. "Protective barriers for electronic devices."
Warner, John C.; Viola, Michael S.,
Priority Date: September 2, 2011 - WBI
(104) United States Patent **US 8,581,246** Filed September 2, 2011. Granted November 12, 2013. Expired.

31. "Formulation and method for hair dyeing."
Warner, John C.; Viola, Michael S.,
Priority Date: September 2, 2011 - WBI
(103) United States Patent **US 8,366,791** Filed Septamber 2, 2011. Granted February 5, 2013.

30. "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 - WBI
(102) Taiwan Patent TW I593157 Filed June 20, 2012. Granted July 21, 2017.
(101) Singapore Patent Application SG 10201605021 Filed June 19, 2012.
(100) African Regional Intellectual Property Organization Patent Application AP 2014/07373 Filed June 19, 2012.
(99) China Patent CN 103620861 Filed June 19, 2012. Granted February 15, 2017.
(98) South Korean Patent KR 101965465 Filed June 19, 2012.Granted April 3, 2019.
(97) European Patent Office EP 2724413 Filed June 19, 2012. Granted December 5, 2018.
(96) Japan Patent Application JP 2018/095968 Filed January 9, 2018.
(95) Japan Patent JP 6453077 Filed June 19, 2012. Granted January 16, 2019.
(94) World Intellectual Property Organization (PCT) WO 2012/177620 Filed June 18, 2012.
(93) United States Patent **US 9,972,830** Filed June 19, 2012. Granted May 15, 2018.

29. "Sustainable process for reclaiming precious metals and base metals from electronic waste. Continuation"
Korzenski, Michael B.; Jiang, Ping; Norman, James; Warner, John; Ingalls, Laura; Gnanamgari, Dinakar; Strickler, Fred; Mendum, Ted,
Priority Date: August 20, 2010 – WBI/Entegris/ATMI
(92) Japan Patent Application JP 2017/110301 Filed December 22, 2016.
(91) United States Patent Application US 2016/0122846 Filed January 12, 2016. Abandoned

28. "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 – WBI/Entegris/ATMI
(90) South Korea Patent Application KR 2013/0099948 Filed August 19, 2011.
(89) Chile Patent Application CL 2013/000500 Filed February 20, 2013.
(88) Japan Patent **JP 6,068,341** Filed August 19, 2011. Granted January 25, 2017.
(87) Brazilian Patent Application BR112013003854 Filed August 19, 2011.
(86) Taiwan Patent Application TW 2017/16588 Filed August 19, 2011.
(85) Taiwan Patent **TW I558818** Filed August 19, 2011. Granted November 21, 2016.
(84) Chinese Patent Application CN 105274338 Filed August 19, 2011.
(83) Chinese Patent **CN 103,249,849** Filed August 19, 2011. Granted November 25, 2015.
(82) South Korean Patent Application KR 2013/0099948 Filed August 19, 2011.
(81) European Patent Office EP 2606158A Filed August 19, 2011. Withdrawn
(80) World Intellectual Property Organization (PCT) WO 2012/024603 Filed August 19, 2011.
(79) United States Patent **US 9,238,850** Filed August 19, 2011. Granted January 19, 2016.

27. "Systems and Methods for Preparing Components of Photovoltaic Cells."
Warner, John C.; Van Benschoten, Helen; Cannon, Amy,
Priority Date: February 18, 2010 – WBI/OneSun
(78) World Intellectual Property Organization (PCT) WO 2011/103494 Filed February 18, 2011.
(77) United States Patent Application US 2011/0232742 Filed February 17, 2011. Abandoned

26. "Semiconductors compositions for dye-sensitized solar cells."
Warner, John C.; Van Benschoten, Helen; Cannon, Amy,
Priority Date: February 18, 2010 – WBI/OneSun
(76) World Intellectual Property Organization (PCT) WO 2011/103503 Filed February 18, 2011.
(75) United States Patent Application US 2011/0232717 Filed February 17, 2011. Abandoned

25. "Additives for solar cell semiconductors."
Warner, John C.,
Priority Date: February 18, 2010 – WBI/OneSun
(74) World Intellectual Property Organization (PCT) WO 2011/103506 Filed February 18, 2011.
(73) United States Patent Application US 2011/0226306 Filed February 17, 2011. Abandoned

24. "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 – WBI -> John Masters Organic -> Sumitomo Mitsui Banking Corp
(72) World Intellectual Property Organization (PCT) WO 2012/067868 Filed November 7, 2011.
(71) United States Patent **US 8,118,880** Filed November 15, 2011. Granted February 21, 2012.

23. "Coloring composition containing an aromatic compound and tyrosinase."
Warner, John C.; Stoler, Emily J.,
Priority Date: November 13, 2009 - WBI -> John Masters Organic
(70) China Patent Application CN 102695495 Filed November 15, 2011.
(69) World Intellectual Property Organization (PCT) WO 2011/060351 Filed November 15, 2011.
(68) United States Patent Application US 2011/0113571 Filed November 15, 2011. Abandoned

22. "Coloring Composition Containing An Aromatic Compound And Forming A Non-Covalent Derivatization Complex."
Warner, John C.; Stoler, Emily J.,
Priority Date: November 13, 2009 - WBI -> John Masters Organic
(67) United States Patent Application US 2011/0113573 Filed November 15, 2010. Abandoned

21. "Coloring composition containing an aromatic compound and an Initiator."
Warner, John C.; Stoler, Emily J.,
Priority Date: November 13, 2009 - WBI -> John Masters Organic
(66) Japan Patent Application JP 2013/510880 Filed November 15, 2011.
(65) European Patent Office EP 2501374 Filed November 15, 2011.
(64) World Intellectual Property Organization (PCT) WO 2011/060354 Filed November 15, 2010.
(63) United States Patent **US 8,231,689** Filed November 15, 2010. Granted July 31, 2012.

20. "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 WBI/ATMI
(62) Taiwan Patent Application TW 2011/07464 Filed February 5, 2010.
(61) World Intellectual Property Organization (PCT) WO 2010/091045 Filed February 3, 2010.
(60) United States Provisional Application 61/150,216 Filed February 5, 2009.

19. "Photo-induced copolymer functionalized substrates."
Warner, John C.; Cannon, Amy; Dye, Kevin,
Priority Date: May 23, 2006 – University of Massachusetts
(59) World Intellectual Property Organization (PCT) WO 2007/139810 Filed May 23, 2006.
(58) United States Provisional Patent Application 60/802,851 Filed May 23, 2006.

18. "Photoreactive polymers and devices for use in hair treatments."
Warner, John C.; Cannon, Amy S.; Raudys, Jennifer; Undurti, Arundhati
Priority Date: December 20, 2002 - University of Massachusetts
(57) Australia Patent **AU 2003/297535** Filed December 22, 2003. Granted December 3, 2009. Expired
(56) Japan Patent Application JP 2006/514037 Filed December 22, 2003.
(55) European Patent Office EP 1575537 Filed December 22, 2003. Withdrawn
(54) Canadian Patent Application CA 2510162 Filed December 22, 2003. Abandoned
(53) World Intellectual Property Organization (PCT) WO 2004/058187 Filed December 22, 2003.
(52) United States Patent **US 7,550,136** Filed December 19, 2003. Granted June 23, 2009.

17. "Biodegradable Polymers"
Warner, John C.; Morelli, Alessandra; Ku, Man Ching
Priority Date: November 16, 2001 - University of Massachusetts
(51) United States Patent Application US 2005/0266546 Filed June 28, 2005.Abandoned

16. "Solubilizing Cross-Linked Polymers with Photolyase."

Warner, John C.; Morelli, Alessandra; Ku, Man Ching,
Priority Date: November 16, 2001 - University of Massachusetts
(50) United States Patent **US 6,946,284** Filed November 15, 2002. Granted September 20, 2005.

15. "Metal oxide films."
Warner, John C.; Morelli, Alessandra,
Priority Date: July 15, 2001 - University of Massachusetts
(49) World Intellectual Property Organization (PCT) WO 2003/008079 Filed July 17, 2002.
(48) United States Patent Application US 2003/0054207 Filed July 17, 2002. Abandoned

14. "Thermographic recording."
Dombrowski, Edward J.; Guarrera, Donna J.; Jones, Robert L.; Mischke, Mark R.; Warner, John C.; Yang, Jiyue,
Priority Date: April 22, 1997 - Polaroid
(47) United States Patent **US 5,750,464** Filed April 22, 1997. Granted May 12, 1998. Expired

13. "Thermographic recording film."
Dombrowski, Edward J.; Jones, Robert L.; Warner, John C.; Yang, Jiyue,
Priority Date: April 22, 1997 - Polaroid
(46) United States Patent **US 5,750,463** Filed April 22, 1997. Granted May 12, 1998. Expired

12. "Photograph system."
Guarrera, Donna J.; Mattucci, Neil C.; Mehta, Avinash C.; Taylor, Lloyd D.; Warner, John C.,
Priority Date: February 9, 1996 - Polaroid
(45) Japan Patent Application JPH 11508381 Filed January 1, 1997.
(44) German Patent **DE 69,701,493 D1** Filed January 21, 1997. Granted April 27, 2000.
(43) European Patent Office **EP 0,820,607** Filed January 21, 1997. Granted March 22, 2000.
(42) Canadian Patent Application CA 2212884 Filed January 21, 1997.
(41) World Intellectual Property Organization (PCT) WO 1997/029405 Filed January 21, 1997.
(40) United States Patent **US 5,705,312** Filed November 25, 1996. Granted January 6, 1998. Expired

11. "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 – Polaroid -> Latran Technologies
(39) Japan Patent **JP 2,968,342** Filed April 19, 1996. Granted October 25, 1999.
(38) German Patent **DE 69,609,136 T2** Filed April 19, 1996. Granted March 22, 2001.
(37) German Patent **DE 69,609,136 D1** Filed April 19, 1996. Granted August 10, 2000.
(36) European Patent Office **EP 0,767,932** Filed April 19, 1996. Granted July 5, 2000.
(35) Canadian Patent **CA 2,189,459** Filed April 19, 1996. Granted October 17, 2006.
(34) World Intellectual Property Organization (PCT) WO 1996/034315 Filed April 19, 1996.
(33) United States Patent **US 5,561,029** Filed April 28, 1995. Granted October 1, 1996. Expired

10. "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 – Polaroid -> Intellectual Ventures
(32) United States Patent **US 5,411,929** Filed June 30, 1994. Granted May 2, 1995. Expired

9. "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 - Polaroid -> Intellectual Ventures
(31) United States Patent **US 5,424,268** Filed May 13, 1994. Granted June 13, 1995. Expired

8. "Copolymeric Mordants and Photographic Products and Processes Containing Same."
Grasshoff, J. Michael; Taylor, Lloyd D.; Warner, John C.,
Priority Date: May 13, 1994 - Polaroid -> Intellectual Ventures
(30) United States Patent **US 5,395,731** Filed May 13, 1994. Granted March 7, 1995. Expired

7. "Copolymers Having Pendant Functional Thymine Groups."
Grasshoff, J. Michael; Taylor, Lloyd D.; Warner, John C.,
Priority Date: May 13, 1994 - Polaroid -> Intellectual Ventures
(29) United States Patent **US 5,708,106** Filed May 3, 1996. Granted January 13, 1998. Wxpired

6. “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. - Polaroid -> Intellectual Ventures
(28) German Patent **DE 69,504,652 T2** Filed May 10, 1995. Granted February 11, 1999.
(27) United States Patent **US 5,616,451** Filed May 24, 1995. Granted April 1, 1997. Expired

5. “Vinylbenzyl thymine monomers”
Grasshoff, J. Michael; Taylor, Lloyd D.; Warner, John C.,
Priority Date: May 13, 1994. Polaroid -> Intellectual Ventures
(26) Japan Patent Application JPH 10500169 Filed May 10, 1995.
(25) German Patent **DE 69,504,652 D1** Filed May 10, 1995. Granted October 15, 1998.
(24) European Patent Office **EP 0,759,193** Filed May 10, 1995. Granted September 9, 1998.
(23) Canadian Patent Application CA 2185144 Filed May 10, 1995.
(22) World Intellectual Property Organization (PCT) WO 1995/031755 Filed May 10, 1995.
(21) United States Patent **US 5,455,349** Filed May 13, 1994. Granted Pctober 3, 1995. Expired

4. “Process for Fixing an Image, and Medium for Use Therein. Continuation”
Marshall, John L.; Shon Baker, Rita S.; Takiff, Larry C.; Telfer, Stephen J.; Warner, John C.,
Priority Date: April 24, 1994. Polaroid -> Senshin Capital
(20) German Patent **DE 69,506,396 T2** Filed April 25, 1995. Granted May 20, 1999.
(19) United States Patent **US 5,741,630** Filed April 28, 1995. Granted December 10, 1996. Expired

3. “Process for Fixing an Image, and Medium for use Therin.”
Ehret, Anne; Marshall, John L.; Baker, Rita S. S.; Takiff, Larry C.; Telfer, Stephen J.; Warner, John C.,
Priority Date: April 24, 1994 - Polaroid -> Intellectual Ventures
(18) Singapore Patent SG 34781 Filed April 25, 1995. Granted April 17, 1997.
(17) Mexico Patent Application PA/a/1996/004903 Filed October 17, 1996.
(16) Australia Patent **AU 684,637** Filed April 25, 1995. Granted December 18, 1997.
(15) Austria Patent Application AT 173979 Filed April 25, 1995.
(14) Brazil Patent Application BR 9507854 Filed April 25, 1995.
(13) Japan Patent JPH 09512498 Filed April 25, 1995.
(12) German Patent **DE 69,506,396 D1** Filed April 25, 1995. Granted January 14, 1999.
(11) European Patent Office **EP 0,757,628** Filed April 25, 1995. Granted December 12, 1998.
(10) Canadian Patent Application CA2186514 Filed April 25, 1995.
(9) World Intellectual Property Organization (PCT) WO1995/029067 Filed April 25, 1995
(8) United States Patent **US 5,582,956** Filed April 28, 1995. Granted December 12, 1996 Expired

2. “Process and Composition for use in Photographic Materials Containing Hydroquinones. Continuation.”
Taylor, Lloyd D.; Warner, John C.,
Priority Date: July 19, 1991. Polaroid -> Senshin Capital
(7) German Patent **DE 69,218,312 T2**, Filed July 3, 1992. Granted July 10, 1997.
(6) United States Patent **US 5,338,644** Filed December 23, 1992. Granted August 16, 1994. Expired

1. “Process and composition for use in photographic materials containing hydroquinones”
Taylor, Lloyd D.; Warner, John C.,
Priority Date: July 19, 1991, Polaroid -> Senshin Capital
(5) Japan Patent **JP 2,881,072** Filed July 16, 1992. Granted April 4, 1999.
(4) Canadian Patent Application CA 2070450, Filed July 4, 1992.
(3) German Patent **DE 69,218,312 D1**, Filed July 3, 1992. Granted April 24, 1997.
(2) European Patent **EP 0,523,470** Filed July 3, 1992, Granted March 19, 1997.
(1) United States Patent **US 5,177,262** Filed July 19, 1991. Granted January 5, 1993. Expired

Publications:

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

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

096 “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.

095 “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.

094 “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.

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

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

091 “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.

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

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

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

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

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

085 “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.

084 “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.

083 “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.

082 “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.

081 “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.

080 “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.

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

078 “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.

077 “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.

076 “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.

075 “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.

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

073 “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.

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

071 “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.

070 “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.

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

068 “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.

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

066 “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.

065 “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.

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

063 “Unintended Consequences” Warner, John C. Chemical and Engineering News 2006, 84, 5.

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:

- Award Speaker, Green Chemistry: The Miossing Elements, The Kold Lectureshio, Bradley University, April 9, 2019.
- Keynote Speaker, Green Chemistry and the Circular Economy, Ellen Macarthur Foundation CE100, Portland, OR, April 2, 2019.
- Award Address, *Green Chemistry: The Missing Elements*, The Senai Innovation Institute for Green Chemistry of the Firjan SENAI, Rio de Janeiro, February 21, 2019.
- Workshop Convenor, *Introduction to Green Chemistry*, United Nations Industrial Development Organization (UNIDO), Rio de Janeiro, February 18-22, 2019.
- Keynote Address, *The Mechanism to Achieve a Circular Bioeconomy*, Michigan Forest Bioeconomy Conference, Midland, MI, February 12, 2019.
- Keynote Presentation: *Green Chemistry*, Greenbuild 2018, Chicago, IL November 14, 2018.
- Keynote Speaker, *Introductions and Examples of Green Chemistry*, UNIDO Green Chemistry Conference, Vienna, Australia, November 5, 2018.
- Keynote Speaker, *Catalyzing Innovation While Addressing Global Challenges*, 50th Anniversary Conference of the Club of Rome, Rome, Italy, October 18, 2018.
- Keynote Speaker, *Green Chemistry: The Fabric of Sustainability*, Interact: The definitive converence on contract textiles, New You, NY October 10, 2018.
- Keynote Speaker, *50 Years of the Club of Rome and 20 Years of Green Chemistry*, The John Warner Center for Green Chemistry Startups, Berlin, Germany, October 2, 2018.
- Keynote Speaker, *The Crystalization of Green Chemistry*, Association for Crystallization Technology 22nd Larson Workshop, Boston, MA October 1, 2018.
- Invited Speaker, *Entropic Concepts in Materials Design*, Science History Institute's Innovation Day, Philadelphia, PA September 25.
- Invited Speaker, *20 Years of Green Chemistry*, Gordon College Annual Green Chemistry Symposium, Wenham, MA, September 24, 2018.
- Guest Lecture, Green Chemistry: The Missing Elements, Universidad EAN, Green Chemistry Conference, Bogota, Colombia. September 19, 2018.
- Keynote Speaker, *Principles of Circularity and Implications for the Chemicals and Waste Industry*, International Council of Chemical Associations (ICCA) and The Uited Nations Environmnet Programme, Chengdu, China, September 12, 2018.
- Plenary Lecture, *An International Perspective on Green Chemistry in the Food Insdustry*, Monash University Food Waste Symposium, Melbourne, Australia June 19, 2018.
- 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:

- "Green chemistry addressing the UN sustainable development goals", Cannon, Amy S.; Warner, John C. 257th ACS National Meeting & Exposition, Orlando, FL, United States, Mar. 31-Apr. 4, **2019**, CHED-0307.
- "Green chemistry: The technology greenhouse" Cannon, Amy S.; Warner, John C. 257th ACS National Meeting & Exposition, Orlando, FL, United States, Mar. 31-Apr. 4, **2019**, SCHB-0022.
- "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", 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.