John Warner's Publications:

100 "Driving to green with various approaches to sustainability" Warner, John C. L"Actualite Chimique 456-458, 11-12.

099 "John C. Warner (the Elder)'s Vision of Chemistry and Responsible Citizenship, with an Update by John C. Warner (the Younger)" Warner, John C. Journal of Chemical Education (2020), 97(4), 881-883.

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.