

Publications - William B. Euler

1. "Quadrupole and Magnetic Resonance of Linear Chain RbFeCl_3 and CsFeCl_3 ," William B. Euler, Christopher Long, William G. Moulton, Barry B. Garrett, *J. Magn. Reson.*, **1978**, 32, 23-32.
2. "Chlorine and Rubidium Resonances in RbNiCl_3 ," William B. Euler, Christopher Long, William G. Moulton, Barry B. Garrett, *J. Magn. Reson.*, **1978**, 32, 33-38.
3. "Double Ordering in Magnetic Linear Chain Systems," Barry B. Garrett, William B. Euler, *Sol. State Commun.*, **1978**, 28, 505-507.
4. "Covalency from Quadrupole Coupling in ABCl_3 Systems," William B. Euler, Leonard E. Mohrmann, Jr., B. B. Garrett, *J. Magn. Reson.*, **1979**, 35, 185-192.
5. "Ground State Properties of CsCoCl_3 ," William B. Euler, Barry B. Garrett, *J. Phys. Chem. Solids*, **1981**, 42, 7-12.
6. "Optical Selection Rules and Magnon Assignments for the Low Temperature Magnetic Spin Structures of CsCoCl_3 and CsNiCl_3 ," William B. Euler, Barry B. Garrett, *J. Phys. Chem. Solids*, **1981**, 42, 13-18.
7. "Carrier Properties of Porphyrinic Molecular Metals," William B. Euler, Jens Martinsen, Laurel J. Pace, Brian M. Hoffman, James A. Ibers, *Mol. Cryst. Liq. Cryst.*, **1981**, 77, 949-960.
8. "Thermodynamics of Molecular Metal Formation: Metallophthalocyanine and Tetrathiafulvalene Iodides," William B. Euler, Mary E. Melton, Brian M. Hoffman, *J. Am. Chem. Soc.*, **1982**, 104, 5966-5971.
9. "Synthesis, Characterization, and EPR Spectral Studies of the Multi-Metal Species $(\text{Fe}(\text{MS}_4)_2)^{3-}$ ($\text{M}=\text{Mo}, \text{W}$)," G. Delbert Friesen, John W. MacDonald, William E. Newton, William B. Euler, Brian M. Hoffman, *Inorg. Chem.*, **1983**, 22, 2202-2208.
10. "Double Integration and Titration of the Electron Paramagnetic Resonance Signal in the Molybdenum Iron Protein of *Azotobacter Vinlandii*," William B. Euler, Jens Martinsen, John W. MacDonald, Gerald D. Watt, Z.-C. Wang, *Biochemistry*, **1984**, 23, 3021-3024.
11. "Madelung Energy Calculations on the Highly Conducting Molecular Metal Nickel Phthalocyanine Iodide," William B. Euler, *Inorg. Chem.*, **1984**, 51, 2645-2650.
12. "Extended Hückel Calculations on Azo and Azine Analogues of Polyacetylene," William B. Euler, Charles R. Hauer, *Sol. State Commun.*, **1984**, 51, 473-476.
13. "Exact Results for EPR $\mathbf{g}$ and $\mathbf{A}$ Tensors in the $\mathbf{S}_1=1, 3/2, 2, 5/2, \mathbf{S}_2=1/2$ Spin-Coupled Systems. The Effect When $\mathbf{S}$ is Not a Good Quantum Number," William B. Euler, *Inorg. Chem.*, **1986**, 25, 1871-1875.
14. "Extended Hückel Calculations on the π System of Polyaniline," William B. Euler, *Sol. State Commun.*, **1986**, 57, 857-859.
15. "The Structure of 2,3-Butanedionedi-hydrazone and IR Study of Higher Polyazines: A New Class of Polymeric Conductors," Charles R. Hauer, Gregory S. King, Erica L. McCool, William B. Euler, Joseph D. Ferrara, Wiley J. Youngs, *J. Am. Chem. Soc.*, **1987**, 109, 5760-5765.
16. "Extended Hückel Calculations on Defect States in the π System of Polyazine," William B. Euler, *J. Phys. Chem.*, **1987**, 91, 5795-5800.
17. "Steric and Electronic Interactions Between Cofacial Metallocene Rings," Regina Arnold, Bruce M. Foxman, Myron Rosenblum, William B. Euler, *Organometallics*, **1988**, 7, 1253-1259.
18. "Infrared Spectra of Iodine Doped Polyazines," William B. Euler, *Sol. State Commun.*, **1988**, 68, 291-293.
19. "Solid State NMR on Oligomeric and Polymeric Azines," William B. Euler, James E. Roberts, *Synthetic Metals*, **1989**, 29, E545-E549.
20. "A Solid State ^{13}C NMR Study of Oligomeric and Polymeric Azines," William B. Euler, James E. Roberts, *Macromolecules*, **1989**, 22, 4221-4225.
21. "The Effect of Increasing Propyl Group Substitution on Permethyl Polyazine," William B. Euler, Gregory S. King, *Macromolecules*, **1989**, 22, 4664-4666.

Publications - William B. Euler

22. "The Synthesis, Characterization, and Iodine Doping of a Soluble Polyazine: The Propyl-Methyl Substituted Derivative," William B. Euler, *Chemistry of Materials*, **1990**, 2, 209-213.
23. "Synthesis, Structure, Infrared Spectra, and Iodine Doping of Unsubstituted Polyazines," William B. Euler, Benjamin C. Gill, *Advanced Organic Solid State Materials*, Materials Research Society Symposium Proceedings, L. Y. Chiang, P. M. Chaikin, D. O. Cowan, eds., **1990**, 173, 375-378.
24. "The Structure of Glyoxal Dihydrazone and Synthesis, Characterization, and Iodine Doping of Unsubstituted Polyazine," Benjamin Chaloner-Gill, Clair J. Cheer, James E. Roberts, William B. Euler, *Macromolecules*, **1990**, 23, 4597-4603.
25. "Preparation and Characterization of a Ni(en)_2^{2+} Complex of Permethylpolyazine," William B. Euler, *Polyhedron*, **1991**, 10, 859-865.
26. " ^{13}C and ^{15}N Solid State NMR of Partially Methyl Substituted Polyazines," Benjamin Chaloner-Gill, William B. Euler, James E. Roberts, *Macromolecules*, **1991**, 24, 3074-3080.
27. "Direct Evidence of a Bipolaron Charge Carrier in Conducting Polyazines by ^{13}C and ^{15}N Solid State NMR; Detection of a Nitrenium Cation by Natural Abundance ^{15}N Solid State NMR," Benjamin Chaloner-Gill, William B. Euler, Paul D. Mumbauer, James E. Roberts, *J. Am. Chem. Soc.*, **1991**, 113, 6831-6834.
28. "X-Ray Powder Diffraction on Oligomeric and Polymeric Permethylpolyazine," William B. Euler, Andrew Szabo, *Sol. State Commun.*, **1991**, 79, 547-549.
29. "A Comparative Theoretical Study of Hydrazine," Brian K. Schmitz, William B. Euler, *J. Molec. Struct. (Theochem)*, **1992**, 257, 227-242.
30. "Optical Spectroscopy and Photochemistry of Thin Films of Propylmethylpolyazine," Bradford C. Sherman, William B. Euler, *Electrical, Optical, and Magnetic Properties of Organic Solid State Materials*, Materials Research Society Symposium Proceedings, L. Y. Chiang, A. F. Garito, D. J. Sandman, eds., **1992**, 247, 675-679.
31. "Dimeric Ruthenium Complexes of Dicyanopyrazines: Complexes with an Unstable Mixed-Valence State," Eric C. Kesslen, William B. Euler, *Polyhedron*, **1992**, 11, 3109-3115.
32. "The Electrochemical Synthesis and Electrochromic Properties of a Conducting Polymer: Polyaniline," Bradford C. Sherman, William B. Euler, R. Ken Forcé, *J. Chem. Ed.*, **1994**, 71, A94-A96.
33. "A Computational Study of Azine, Azoethene and Diimine linkages in the Poly/oligoazine System," Brian K. Schmitz, William B. Euler, *J. Comp. Chem.*, **1994**, 15, 1163-1175.
34. "The Electronic Spectroscopy of Propylmethylpolyazine," Bradford C. Sherman, William B. Euler, *Chem. Mater.*, **1994**, 6, 899-906.
35. "The Solvent Sensitive Reaction of Phenyl Substituted Poly(iminomethylene)," Jingxian Sun, Jiun-Tang Huang, William B. Euler, William Rosen, *Proceedings of the Second International Conference on Intelligent Materials*, C. A. Rogers, G. G. Wallace, ed., Technomic Publishing Co., Lancaster, PA, **1994**, 1223-1229.
36. "Electronic and FTIR Spectroscopy of Controlled Chain Length Pristine and Iodine-Doped Permethylazine Oligomers," Bradford C. Sherman, Brian K. Schmitz, William B. Euler, *Chem. Mater.*, **1995**, 7, 806-812.
37. "Synthesis and Characterization of Pyridine End-Capped Oligoazines," Eric C. Kesslen, William B. Euler, *Tetrahed. Lett.*, **1995**, 36, 4725-4728.
38. "Syntheses and Characterization of Poly(aminophenazines)," Ajith H. Premasiri, William B. Euler, *Polym. Mater. Sci. Eng.*, **1995**, 72, 327-328.
39. "Syntheses and Characterization of Poly(aminophenazines)," Ajith H. Premasiri, William B. Euler, *Macromolecular Chemistry and Physics*, **1995**, 196, 3655-3666.
40. "Synthesis and Characterization of Oligonaphthylamines," Brian K. Schmitz, William B. Euler, *J. Electroanal. Chem.*, **1995**, 399, 47-52.
41. "IR Spectroscopy of Pristine and Iodine-Doped Permethylpolyazine," William B. Euler, *Chem. Mater.*, **1996**, 8, 554-557.

Publications - William B. Euler

42. "Aggregation and Precipitation Phenomena in Poly(phenylisocyanide)," Jiun-Tang Huang, Jingxian Sun, William B. Euler, William Rosen, *J. Polym. Sci. Part A: Polym. Chem.*, **1997**, 35, 439-446.
43. "Isolation and Characterization of a Unique Heterocyclic Ring System from Nickel Ion Catalyzed Polymerization of Phenylisocyanide," William B. Euler, Jiun-Tang Huang, Misoo Kim, Lynne Spencer, William Rosen, *J. Chem. Soc. Chem. Commun.*, **1997**, 257-258.
44. "Polyazines: Synthesis, Structure, Spectroscopy, and Conducting Properties," William B. Euler, invited review, in *Handbook of Organic Conductive Molecules and Polymers*, H. S. Nalwa, editor, John Wiley & Sons, Chichester, **1997**, volume 2, 719-740.
45. "LFER Correlation of ^{13}C Chemical Shift in Para-Substituted Phenyl Isocyanide: Implications for Formation of a Unique Polymer," Misoo Kim, William B. Euler, William Rosen, *J. Org. Chem.*, **1997**, 62, 3766-3769.
46. "Tris-(phenylimino)-1,3-diphenyl-1,2,3-propanetrione: A Model Compound Implicating a Nonhelical Structure for Poly(N-phenyliminomethylene)," Lynne Spencer, Misoo Kim, William B. Euler, William Rosen, *J. Am. Chem. Soc.*, **1997**, 119, 8129-8130.
47. "Complete Solution NMR Analysis of Three Oligoimine Model Compounds," Lynne Spencer, William B. Euler, Daniel D. Traficante, Misoo Kim, William Rosen, *Mag. Reson. Chem.*, **1998**, 36, 398-402.
48. "The Sensors and Surface Technology Partnership for Education and Research at the University of Rhode Island," Stephen V. Letcher, William B. Euler, *ChemTech*, **1998**, 28, 10-13.
49. "Single Crystal X-ray Structures of 2-Pyridinecarboxaldehydeazine and Biacetylazine: Implications of the Conjugation in Systems with Carbon-Nitrogen Double Bonds," Eric C. Kesslen, William B. Euler, Bruce M. Foxman, *Chem. Mater.*, **1999**, 11, 336-340.
50. "Smart Optical Waveguide Sensors for Cumulative Damage Assessment," Otto J. Gregory, William B. Euler, Everett E. Crisman, Hanan Mogawer, Kimberly A. Thomas, *Proceedings SPIE: Smart Structures and Materials 1999: Smart Systems for Bridges, Structures, and Highways*, S. C. Liu, editor, SPIE Press, Bellingham, WA, vol. 3671, **1999**, 100-108.
51. "Configurational and Conformational Mobility in a Cross Conjugated Derivative of 1,3-Diketo-2-iminopropane," Yueyang Song, Lynne Spencer, William B. Euler, William Rosen, *Org. Lett.*, **1999**, 1, 561-564.
52. "Convenient Syntheses of 2,2'-Biindole," Darrell J. Koza, William B. Euler, *Heterocyclic Communications*, **1999**, 5, 399-402.
53. "End Group Effects on the Structure and Spectroscopy of Oligoazines," William B. Euler, Meng Cheng, Chao Zhao, *Chem. Mater.*, **1999**, 11, 3702-3708.
54. "A Temperature Insensitive Smart Optical Strain Sensor," Kimberly A. Thomas, William B. Euler, Everett E. Crisman, Otto J. Gregory, *Proceedings SPIE: Smart Structures and Materials 2000: Smart Systems for Bridges, Structures, and Highways*, S. C. Liu, editor, SPIE Press, vol. 3988, **2000**, 429-439.
55. "Determination of K_{sp} , ΔG° , ΔH° , and ΔS° for the Dissolution of Calcium Hydroxide in Water: A General Chemistry Experiment," William B. Euler, Louis J. Kirschenbaum, Ben Ruekberg, *J. Chem. Ed.*, **2000**, 77, 1039-1040.
56. "The Influence of Preparation Conditions on the Surface Morphology of Poly(vinylidene fluoride) Films," Marcel Benz, William B. Euler, Otto J. Gregory, *Langmuir*, **2001**, 17, 239-243.
57. "UV-vis Spectroscopy of $\text{Ru}(\text{bpy})_2\text{L}^{2+}$ Complexes Where L is a Linear Oligoazine," William B. Euler, Meng Cheng, C. Zhao, *Polyhedron*, **2001**, 20, 507-514.
58. "An Electrochemical, Spectroscopic, and Theoretical Study of Poly(2,3-diaminophenazine)," Kimberly A. Thomas, William B. Euler, *J. Electroanal. Chem.*, **2001**, 501, 235-240.
59. "Comparison of Analytical Methods for Characterization of the Thermochromic Transition of Poly(3-alkylthiophene)s," Carmen Beildeck, Brett L. Lucht, William B. Euler, *Polym. Prepr.*, **2001**, 42(2), 211-212.

Publications - William B. Euler

60. "The Role of Solution Phase Water on the Deposition of Thin Films of Poly(vinylidene fluoride)," Marcel Benz, William B. Euler, Otto J. Gregory, *Macromolecules*, **2002**, 35, 2682-2688.
61. "Investigation of the Thermochromic Properties of Polythiophenes Dispersed in Host Polymers," Brett L. Lucht, William B. Euler, Otto J. Gregory, *Polym. Prepr.*, **2002**, 43(1), 59-60.
62. "Investigation of the Oxidative Coupling Polymerization of 3-Alkylthiophenes with Iron (III) Chloride," Yu Wang, Brett L. Lucht, William B. Euler, *Polymer Preprints*, **2002**, 43(2), 1160.
63. "Determination of the Crystalline Phases of Poly(vinylidene fluoride) Under Different Preparation Conditions Using Differential Scanning Calorimetry and Infrared Spectroscopy," Marcel Benz, William B. Euler, *J. Appl. Polym. Sci.*, **2003**, 89, 1093-1100.
64. "Synthesis and Solution Characterization of $[\text{Ru}(\text{bpy})_2]^{2+}$ Modified Polyazines," Meng Cheng, William B. Euler, *Inorg. Chem.*, **2003**, 42, 5384-5391.
65. "Photoconductivity of Single Wall Carbon Nanotubes Under CW NIR Illumination," Igor A. Levitsky, William B. Euler, *Appl. Phys. Lett.*, **2003**, 83, 1857-1859.
66. "Photoconductivity of Single-Walled Carbon Nanotubes Under CW Illumination," Igor A. Levitsky, Peter T. Kanelos, William B. Euler, *IEEE_Nano 2003 Proceedings*, **2003**, vol 2, p. 619-622.
67. "Novel Actuating System Based on a Composite of Single-Walled Carbon Nanotubes and an Ionomeric Polymer," Igor A. Levitsky, Peter T. Kanelos, William B. Euler, *Mat. Res. Soc. Symp. Proc.*, **2004**, 785, D9.1.1 – D9.1.6.
68. "Unusual Chromic and Doping Behavior of Ether Substituted Polythiophenes," Yu Wang, William B. Euler, Brett L. Lucht, *ChemComm*, **2004**, 686-687.
69. "Suppression of Toxic Compounds Produced in the Decomposition of Lithium-Ion Battery Electrolytes," Christopher L. Campion, Wentao Li, William B. Euler, Brett L. Lucht, Boris Ravdel, Joseph F. DiCarlo, Robert Gitzendanner, K. M. Abraham, *Electrochem. Solid State Lett.*, **2004**, 7, A194-A197.
70. "Electromechanical Actuation of Composite Material From Carbon Nanotubes and Ionomeric Polymer," Igor A. Levitsky, Peter Kanelos, William B. Euler, *J. Chem. Phys.*, **2004**, 121, 1058-1065.
71. "Observation of Two-Step Thermochromism in Poly(3-docosylthiophene): DSC and Reflection Spectroscopy," Yu Wang, Nadia Archambault, Adrienne Marold, Lucy Weng, Brett L. Lucht, William B. Euler, *Macromolecules*, **2004**, 37, 5415-5422.
72. "Hybrid Solar Cells Based on Porous Si and Copper Phthalocyanine Derivatives," Igor A. Levitsky, William B. Euler, Natalya Tokranova, Bai Xu, James Castracane, *Appl. Phys. Lett.*, **2004**, 85, 6245-6247.
73. "Nanoporous Si – Organic Composite Photovoltaics," Igor A. Levitsky, William B. Euler, Natalya Tokranova, Bai Xu, James Castracane, *Mat. Res. Soc. Symp. Proc. – Mater. for Photovoltaics*, **2005**, 836, L.2.10.1 – L.2.10.6.
74. "Hybrid Solar Cells Based on Organic Material Embedded Into Porous Silicon," Natalya Tokranova, Igor Levitsky, Bai Xu, James Castracane, William B. Euler, *Proc. SPIE*, **2005**, 5724, 183-190.
75. "Bis(phosphine Imide)s: Easily Tunable Organic Electron Donors," Vanina G. Guidi, Zhou Jin, Devin Busse, William B. Euler, Brett L. Lucht, *J. Org. Chem.*, **2005**, 70, 7737-7743.
76. "An Optical Device for Measuring Bending Strain to 5,000 Micro-Strain and Compatible With Optical Fiber Installations," Everett E. Crisman, John S. Derov, Gary Barchard, Otto J. Gregory, William B. Euler, *IEEE Sensors Journal*, **2005**, 5, 1321-1326.
77. "Photoactuation in Nafion-Carbon Nanotube Bilayer Composites," Igor A. Levitsky, Peter T. Kanelos, Elana A. Viola, William B. Euler, *Proc. SPIE Nanosensing: Materials and Devices II*, **2005**, 6008, 600802-1 – 600802-6.
78. "Effect of Residual Monomer on the Spectroscopic Properties of Polythiophenes," Yu Wang, Ashley Mills, William B. Euler, Brett L. Lucht, *ChemComm*, **2006**, 2121 – 2122.

79. "Photoactuation from a Carbon Nanotube – Nafion Bilayer Composite," Igor A. Levitsky, Peter T. Kanelos, Destiny S. Woodbury, William B. Euler, *J. Phys. Chem. B*, **2006**, *110*, 9421 – 9425.
80. "Fluorescent Polymer – Porous Silicon Microcavity Devices For Explosives Detection," Igor A. Levitsky, William B. Euler, Natalya Tokranova, Aimée Rose, *Appl. Phys. Lett.*, **2007**, *90*, 041904-1 – 041904-3.
81. "Field Effect of Carbon Nanotubes with an Ionomeric Polymer," Igor A. Levitsky, Igor G. Kolobov, William B. Euler, *Phys. Stat. Sol. B.*, **2007**, *244*, 2666 – 2672.
82. "New Chemical Sensors Based on Point Heterocontact Between Carbon Nanotubes and Metals," Gennadiy V. Kamarchuk, Igor G. Kolobov, Andrei V. Khotkevich, Igor K. Yanson, Alexander P. Pospelov, Igor A. Levitsky, William B. Euler, *Sensors and Actuators B: Chemical.*, **2008**, *134*, 1022 – 1026.
83. "Mesophase Formation in Poly(3-alkylthiophene)s Containing Long Chain Alkyl Groups," Yu Wang, Nadia Archambault, Allison M. Belcher, David B. Damon, Devin Busse, Ashley Mills, Amanda E. Riddle, Ivan J. Samardjiev, Brett L. Lucht, William B. Euler, *Macromolecules*, **2008**, *41*, 7115 – 7121.
84. "Optical Humidity Sensing and Ultrasound Effect for Mesoporous Silicon One-Dimensional Photonic Crystals," Igor G. Kolobov, William B. Euler, Igor A. Levitsky, *Appl. Optics*, **2010**, *49*, 137 – 141.
85. "Carbon Nanotube-Si Diode as a Detector of Mid-Infrared Illumination," Pang-Leen Ong, William B. Euler, Igor A. Levitsky, *Appl. Phys. Lett.*, **2010**, *96*, 033106-1 – 033106-3.
86. "Hybrid Solar Cells Based on Single-Walled Carbon Nanotubes/Si Heterojunctions," Pang-Leen Ong, William B. Euler, Igor A. Levitsky, *Nanotechnology*, **2010**, *21*, 105203-1 – 105203-7.
87. "Gas Phase Sensors for Bases Using Rhodamine B in Nafion Films," Eunhae Hwang, Igor A. Levitsky, William B. Euler, *J. Appl. Polym. Sci.*, **2010**, *116*, 2425 – 2432.
88. "Two-Step Thermochromism in Poly(3-docosyloxy-4-methylthiophene): Mechanistic Similarity to Poly(3-docosylthiophene)," Dinesh Chalasani, Joshua K. Potvin, Brett L. Lucht, William B. Euler, *J. Polym. Sci. A Polym. Chem.*, **2010**, *48*, 4370 – 4373.
89. "Kinetics of Photoactuation in Single Wall Carbon Nanotube – Nafion Bilayer Composite," Elana A. Viola, Igor A. Levitsky, William B. Euler, *J. Phys. Chem. C*, **2010**, *114*, 20258 – 20266.
90. "Computational Analysis of Bending Strain in Single Chains of β -PVDF," Elana A. Viola, William B. Euler, *J. Polym. Sci. Part B: Polym. Phys.*, **2011**, *49*, 1493 – 1495.
91. "Achieving High Mid-IR Bolometric Responsivity for Anisotropic Composite Materials from Carbon Nanotubes and Polymers," A. Y. Glamazda, V. A. Karachevtsev, William B. Euler, Igor A. Levitsky, *Adv. Func Mater.* **2012**, *22*, 2177 – 2186.
92. "Doping of PVDF with Cobalt Nitrate: Structural, Electrical, and Magnetic Properties," Katie Fontaine, Wendy Lopez, Everett Crisman, John Derov, William B. Euler, *J. Polym. Sci. Part A: Polym. Chem.*, **2012**, *50*, 3970 – 3975.
93. *Photophysics of Carbon Nanotubes Interfaced With Organic and Inorganic Materials*, Igor A. Levitsky, William B. Euler, Victor A. Karachevtsev, Springer, **2012**, London.
94. "Fluorescent Species Formed by the Reaction of Trinitroaromatics With N,N-Dimethylformamide and Hydroxide," Christopher A. Latendresse, Syrena C. Fernandes, Sangmin You, Hui Qi Zhang, William B. Euler, *J. Phys. Chem. A*, **2013**, *117*, 324 – 332.
95. "Light Trapping to Amplify Metal Enhanced Fluorescence with Application for TNT Sensing," Meredith A. Matoian, Richard Sweetman, Emily C. Hall, Shayna Albanese, William B. Euler, *J. Fluoresc.*, **2013**, *23*, 877 – 880.
96. "A Fluorometric Sensing Array for the Detection of Military Explosives and IED Materials," Christopher A. Latendresse, Syrena C. Fernandes, Sangmin You, Hui Qi Zhang, William B. Euler, *Anal. Methods*, **2013**, *5*, 5457 – 5463.

97. "Speciation of the Products of and Establishing the Role of Water in the Reaction of TNT with Hydroxide and Amines: Structure, Kinetics, and Computational Results," Christopher A. Latendresse, Syrena C. Fernandes, Sangmin You, William B. Euler, *J. Phys. Chem. A*, **2013**, *117*, 11167 – 11182.
98. "Detection of Dinitrotoluene Isomers Using Reactions With Bases: A Structural, Spectroscopic, Kinetic, and Computational Study," Sangmin You, Christopher A. Latendresse, Syrena C. Fernandes, Kathleen M. Sullivan, William B. Euler, *Sens. Actuat. B: Chem.*, **2015**, *216*, 165 – 175.
99. "Role of Mixed Solvation and Ion Pairing in the Solution Structure of Lithium Ion Battery Electrolytes," Daniel M. Seo, Stefanie Reininger, Mary Kutcher, Kaitlin Redmond, William B. Euler, Brett Lucht, *J. Phys. Chem. C*, **2015**, *119*, 14038 – 14046.
100. "Detection of Gas-Phase Explosive Analytes Using Fluorescent Spectroscopy of Thin Films of Xanthene Dyes," Hui Qi Zhang, William B. Euler, *Sens. Actuat. B: Chem.*, **2016**, *225*, 553 – 562.
101. "Structural Evolution of Ultrathin Films of Rhodamine 6G on Glass," Mingyu Chapman, Matthew Mullen, Elsa Novoa-Ortega, Mona Alhasani, James F. Elman, William B. Euler, *J. Phys. Chem. C*, **2016**, *120*, 8289 – 8297.
102. "The Influence of Interfacial Effects on the Photophysics of Rhodamine 6G Thin Films on a Poly(vinylidene fluoride) Surface," Matthew Mullen, William B. Euler, *Langmuir*, **2017**, *33*, 2194 – 2204.
103. "A Comparison of SERS and MEF of Rhodamine 6G on a Gold Substrate," Elizabeth Kohr, Buddini I. Karawdeniya, Jason R. Dwyer, Anju Gupta, William B. Euler, *Phys. Chem. Chem. Phys.*, **2017**, *19*, 27074 – 27080.
104. "The Influence of Zn²⁺-doped PVDF on the Fluorescent Properties of Rhodamine 6G," Mona Alhasani, Anju Gupta, William B. Euler, *J. Luminesc.*, **2018**, *196*, 116 – 125.
105. "Rhodamine 6G Structural Changes in Water/Ethanol Mixed Solvent," Mingyu Chapman, William B. Euler, *J. Fluoresc.*, **2018**, *28*, 1431 – 1437.
106. "Influence of Solvent and Molecular Weight in Wrinkle Formation in Spin-Cast Polystyrene Thin Films," Chunyi Tang, Matthew Mullen, William B. Euler, *AIMS Mater. Sci.*, **2020**, *7*, 60 – 74.
107. "A Spectroscopic Study of Xanthene Dyes on a Polystyrene Surface: An Investigation of Ion-p Interactions at Polymer Interfaces," Matthew Mullen, Nolan Fontaine, William B. Euler, *J. Fluoresc.*, **2020**, *30*, 811 – 818.
108. "Structure-Property Relationships on the Optical Properties of Rhodamine Thin Films," Elsa Novoa-Ortega, Mara Dubnicka, William B. Euler, *J. Phys. Chem. C*, **2020**, *124*, 16058 – 16068.
109. "Modeling of Poly(methylmethacrylate) Viscous Thin Films by Spin-coating," Navid Chapman, Mingyu Chapman, William B. Euler, *Coatings*, **2021**, *11*, 198.
110. "The Role of Zn²⁺-Doping on the Surface Chemistry of Poly(vinylidene difluoride) Thin Films," Angela Thach, Satu Heiskanen, Brett L. Lucht, William B. Euler, *Surface & Interfaces*, **2021**, *23*, 101005.
111. "Evolution of Surface Morphology of Spin-Coated Poly(methylmethacrylate) Thin Films," Navid Chapman, Mingyu Chapman, William B. Euler, *Polymers*, **2021**, *13*, 2124.
112. "Catalysis of the Thermal Decomposition of Transition Metal Nitrate Hydrates by Poly(vinylidene difluoride)," Lasanthi Sumathirathne, William B. Euler, *Polymers*, **2021**, *13*, 3112.
113. "Interfacial Effects of the Photophysics of Rhodamine 6G Ultra-Thin Films on a Poly(methylmethacrylate) Surface," Mingyu Chapman, Navid Chapman, William B. Euler, *J. Phys. Chem. C* **2022**, *126*, 8938.
114. "Structural and Optical Properties of Rhodamine Dye Aqueous Solutions and Thin Films," Mara Dubnicka, William B. Euler, *J. Phys. Chem. C* **2022**, *126*, 19386.
115. "Catalytic Thermal Decomposition of NO₂ by Iron(III) Nitrate Nonahydrate Doped Poly(Vinylidene Difluoride)," Lasanthi Sumathirathne, Carson Hasselbrink, Dugan Hayes, William B. Euler, *ACS Omega* **2022**, *7*, 43839.