

1. M. Drees, K. Premaratne, W. Graupner, J. R. Heflin, R. M. Davis, D. Marciu, and M. Miller, "Creation of a gradient polymer-fullerene interface in photovoltaic devices by thermally controlled interdiffusion", *Applied Physics Letters*, 2002.
2. D. Marciu, M. B. Miller, C. Kozikowski, J. R. Heflin, S. Cho, B. A. Reid, K. Kuroda, W. Graupner, H. Wang, H. W. Gibson, and R. M. Davis, "Enhanced Photovoltaic response in ionically self-assembled monolayer thin-film devices", *MRS Symp. Proc.* **708**, (2001).
3. M. Drees, K. Premaratne, W. Graupner, J.R. Heflin, D. Marciu, M. Miller, R. M. Davis, "Nanoscale Control of the Polymer-Fullerene Interface in Photovoltaic Devices by Thermally-Controlled Interdiffusion", *MRS Symp. Proc.* **708**, (2001).
4. Mark R. Anderson, Richey M. Davis, C. Douglas Taylor, Michaiiah Parker, Spencer Clark, Daniela Marciu, and Michael Miller, *Thin Polyimide Films Prepared by Ionic Self-Assembly*, *Langmuir*, **17**, 8380 (2001).
5. J. A. Janik, J. R. Heflin, D. Marciu, M. B. Miller, and R. M. Davis, *Electrochromic Behavior of Ionically Self-Assembled Thin Films*, *MRS Symp. Proc.* **660**, JJ8.20.1-6 (2001).
6. R. Schroeder, C. Soman, C. Brands, J. R. Heflin, W. Graupner, H. Wang, H. W. Gibson, D. Marciu, M. B. Miller, *Photoluminescence Studies on Energy Migration in Multilayer Organic Photovoltaic Devices Based on Ionically Self-assembled Monolayers*, *Proc. of SPIE* **4108**, 85 (2000).
7. W. Graupner, T. Piok, C. Brands, P. J. Neyman, A. Erlacher, C. Soman, M. A. Murray, R. Schroeder, J. R. Heflin, D. Marciu, A. Drake, M. B. Miller, H. Wang, H. Gibson, H. C. Dorn, G. Leising, M. Guzy, R.M. Davis, *Efficient Charge Generation in Conjugated Molecules*, *Polymer Preprints in print*, 2000.
8. T. Piok, C. Brands, P. J. Neyman, A. Erlacher, C. Soman, M. A. Murray, R. Schroeder, W. Graupner, J. R. Heflin, D. Marciu, A. Drake, M. B. Miller, H. Wang, H. Gibson, H. C. Dorn, G. Leising, M. Guzy, R.M. Davis, *Photovoltaic Cells Based on Ionically Self-Assembled Nanostructures*, *Synthetic Metals* **7516**, 1-5 (2000).
9. Charles Brands, T. Piok, Pat J. Neyman, A. Erlacher, C. Soman, M.A. Murray, R. Schroeder, James R. Heflin, Wilhelm Graupner, Daniela Marciu, Adam Drake, Michael B. Miller, Hong Wang, Harry W. Gibson, Harry C. Dorn, Guenther Leising, M. Guzy, Rick M. Davis, *Photovoltaic responses in ionically self-assembled nanostructures containing conjugated polymers and fullerenes*, *Proc. of SPIE Vol.* 3937, 51-62 (2000).
10. C. Figura, P.J. Neyman, D. Marciu, C. Brands, M.A. Murray, S. Hair, R.M. Davis, M.B. Miller, and J. R. Heflin, *Thermal Stability and Immersion Solution Dependence of Second Order Nonlinear Optical Ionically Self-Assembled Film*, *SPIE Proc. Vol.* 3939, pp. 214-222 (2000).
11. D. Marciu, M. B. Miller, A. L. Ritter, M. A. Murray, P. J. Neyman, W. Graupner, J. R. Heflin, H. Wang, H. W. Gibson, R. M. Davis *SPIE January 2000, San Jose, CA, Efficiency Optimization in Ionically Self-Assembled Thin Film Polymer Light-Emitting Diodes*, *SPIE Proc. Vol.* 3938, pp. 169-179 (2000)
12. D. Marciu, M. B. Miller, J. R. Heflin, M. A. Murray, A. L. Ritter, P. J. Neyman, W. Graupner, H. Wang, H. W. Gibson, and R. M. Davis *MRS November-December 1999, Boston, MA, Characterization of Polymer Light Emitting Diodes Fabricated by Ionically Self-Assembled Monolayer Technique*
13. D. Marciu, M. Miller, A. L. Ritter, P. J. Neyman, W. Graupner, J. R. Heflin, D. Marciu, M. Miller, A. Drake, H. Wang, H. W. Gibson, H. C. Dorn, and R. M. Davis. 1999. *Photovoltaic Responses in Polymer-Fullerene Ionically Self-Assembled Nanostructures. MRS, Boston, MA.*
14. C. Figura, P. J. Neyman, C. Brands, M. A. Murray, S. Hair, J. R. Heflin, D. Marciu, M. Miller, and R. M. Davis. 1999. *Control of Second-Order Nonlinear Optical Susceptibility in Ionically Self-Assembled Films by pH and Ionic Strength. MRS Fall Meeting, Boston, MA.*

15. Y. Liu, R. Claus, D. Marciu, C. Figura, and J. R. Heflin, MRS Symp. Proc. **561**, 29 (1999). *Second order nonlinear optical thin films fabricated from electric field-assisted electrostatic self-assembled monolayer method*
16. J. R. Heflin, Y. Liu, C. Figura, D. Marciu, Y. Liu, R. O. Claus. 1999. *Thickness-dependence of second harmonic generation in thin films fabricated from self-assembled monolayers*. Appl. Phys. Lett., 74: 495.
17. K. M. Lenahan, Y. Wang, Y. Liu, R. O. Claus, J. R. Heflin, D. Marciu, C. Figura. 1998. *Novel polymer dyes for nonlinear optical applications using ionic self-assembled monolayer technology*. Adv. Mater., 10: 853.
18. J. R. Heflin, D. Marciu, C. Figura, S. Wang, P. Burbank, S. Stevenson, H. C. Dorn. 1998. *Enhanced nonlinear optical response of an endohedral metallofullerene through metal-to-cage charge transfer*. Appl. Phys. Lett., 72: 2788.
19. J. R. Heflin, Y. Liu, C. Figura, D. Marciu, R. O. Claus. 1997. *Second-order nonlinear optical thin films fabricated from ionically self-assembled monolayers*. Proc. SPIE, 3147: 10.
20. J. R. Heflin, D. Marciu, C. Figura, S. Wang, R. Yordanov, J. C. Withers. 1997. *Optical limiting over an extended spectral region by derivatization of C₆₀*. Proc. SPIE 3146: 142.
21. J. R. Heflin, D. Marciu, C. Figura, S. Wang, P. Burbank, S. Stevenson, H. C. Dorn, and J. C. Withers. 1996. *Degenerate four-wave mixing in endohedral metallofullerenes and optical limiting of C₆₀ derivatives and higher fullerenes*. Proc. SPIE 2854: 162.
22. J. R. Heflin, D. Marciu, S. Wang, C. Figura, and R. Yordanov. 1995. *Long-wavelength optical limiting of C₆₀, C₆₀ charge-transfer complexes, C₆₀ derivatives, and higher fullerenes*. Proc. Science and Technology of Atomically Engineered Materials 501.
23. J. R. Heflin, S. Wang, D. Marciu, C. Figura, and R. Yordanov. 1995. *Optical limiting of C₆₀, C₆₀ charge transfer-complexes, and higher fullerenes from 532 to 750 nm*. Proc. SPIE 2530: 176.
24. J. R. Heflin, S. Wang, D. Marciu, J. W. Freeland, and B. Jenkins. 1994. *Dispersion of optical limiting in C₆₀ and phthalocyanines*. Polym. Prep. 35: 238.