

List of Publications for Michael Lesiecki

1. U. Klingbeil, J. Canter, M. Lesiecki, "A Laser Based Fundus Camera for IR Angiography," *Opt. Eng.* **34**, 775 (1995).
2. M. Quigley, J. Maroon, T. Shih, A. Elrifai, M. Lesiecki, "Laser Discectomy: Comparison of Systems," *Spine* **19**, 319 (1994).
3. R. Hill, D. Stern, M. Lesiecki, et al., "The Effects of Pulse Width on Laser Trabecular Ablation (LTA)," *Lasers in Surgery and Medicine* **13**, 440 (1993).
4. R. Hill, M. Le, H. Yashiro, C. Constan, A. Treadway, D. Stern, M. Lesiecki, L. Brown, M. Berns, "Ab-Interno Erbium:YAG Laser Sclerostomy with Iridotomy in Dutch Crossing Rabbits," *Lasers Surg. Med.* **13**, 559 (1993).
5. M. Quigley, T. Shih, A. Elrifai, J. Maroon and M. Lesiecki, "Percutaneous Laser Discectomy with the Ho:YAG Laser," *Laser in Surgery and Medicine*, **12**, 621 (1992).
6. H. Espinet, M. Lesiecki, M. Ramsburg, "Laser-Induced Gratings in Cholesteric/Nematic Mixtures," *Appl. Phys. Lett.*, 29 June 1987.
7. H. Espinet, M. Lesiecki, M. Ramsburg and D. Jenkins, "Nd:YAG Laser-Induced Nonlinear Reflection in Cholesteric-Nematic Liquid Crystals," *J. Appl. Phys.* **59**, 1386 (1986).
8. J. M. Drake, M. L. Lesiecki and D. M. Camaioni, "Photophysics and Cis-Trans Isomerization of DCM," *Chem. Phys. Lett.* **113**, 530 (1985).
9. W. R. L. Thomas, J. M. Drake and M. L. Lesiecki, "Light Transport in Planar Luminescent Solar Concentrators: The Role of Matrix Losses," *Appl. Opt.* **22**, 3440 (1983).
10. J. Sansregret, J. M. Drake, W. R. L. Thomas and M. L. Lesiecki, "Light Transport in Planar Luminescent Solar Concentrators: The Role of Dye Self-Absorption," *Appl. Opt.* **22**, 573 (1983).
11. Y. Gu, M. I. Lesiecki, S. E. Bialkowski and W. A. Guillory, "Vibrational Relaxation Dynamics of the X State of C₃," *Chem. Phys. Lett.* **92**, 443 (1982).
12. J. M. Drake, M. L. Lesiecki, J. Sansregret and W. R. L. Thomas, "Performance Evaluation of Organic Dyes in PMMA in a Planar Luminescent Solar Concentrator," *Appl. Opt.* **21**, 2945 (1982).
13. C. E. Hamilton, M. L. Lesiecki, L. J. Allamandola and J. W. Nibler, "Spectroscopy and Triplet State Lifetime for Yttrium Fluoride (YF) in Inert Gas Matrices," *J. Chem. Phys.* **76**, 189 (1982).
14. M. L. Lesiecki and J. M. Drake, "Use of the Thermal Lens Technique to Measure the Quantum Yields of Dyes in PMMA for Luminescent Solar Concentrator," *Appl. Opt.* **21**, 557 (1982).
15. M. L. Lesiecki, K. W. Hicks, A. Orenstein et al., "C₃ Production, Vibrational Relaxation and Chemical Kinetics Following IR Photolysis of Allene," *Chem. Phys. Lett.* **71**, 72 (1980).

Publications for Micheal Lesiecki (continued)

16. M. L. Lesiecki, G. R. Smith, H. J. Stewart and W. A. Guillory, "Energy Dispersion and Relaxation in Propynal Using Laser IR/Visible Double Resonance," *Chem. Phys.* **46**, 321 (1980).
17. K. W. Hicks, M. L. Lesiecki, S. M. Riseman and W. A. Guillory, "The Infrared Photolysis of CH₃NC," *J. Chem. Phys.* **83**, 1936 (1979).
18. M. L. Lesiecki and W. A. Guillory, "Low Pressure Infrared Multiplephoton Photochemistry of Acetonitrile," *J. Chem. Phys.* **69**, 4572 (1978).
19. J. H. Hall, M. L. Lesiecki and W. A. Guillory, "The Mechanism of the Laser-Induced Infrared Photolysis of Ethylene," *J. Chem. Phys.* **68**, 2247 (1978).
20. M. L. Lesiecki and W. A. Guillory, "Photoluminescence Spectroscopy of the CN Radical Produced in the Infrared Photolysis of CH₃CN," *Chem. Phys. Lett.* **49**, 92 (1977).
21. M. L. Lesiecki and W. A. Guillory, "Infared Laser-Induced Photochemistry of Cyclopropane," *J. Chem. Phys.* **66**, 4317 (1977).
22. M. L. Lesiecki and W. A. Guillory, "Energy Partitioning in CN(X) Produced in the Infrared Laser-Induced Photofragmentation of CH₃CN," *J. Chem. Phys.* **66**, 4239 (1977).
23. M. L. Lesiecki and J. W. Nibler, "Infrared and Raman Spectra and Structures of Matrix Isolated Magnesium Dihalides: MgF₂, MgCl₂, MgBr₂, and MgI₂," *J. Chem. Phys.* **64**, 871 (1976).
24. M. L. Lesiecki and J. W. Nibler, "Infrared and Raman Spectra and Structures of Matrix Isolated Thallous Halide Dimers: Tl₂F₂ and Tl₂Cl₂," *J. Chem. Phys.* **63**, 3452 (1975).
25. M. L. Lesiecki and J. W. Nibler, "Deposition Rate Monitor for Matrix Isolation Studies of High Temperatures Species," *Appl. Spec.* **28**, 381 (1974).
26. M. L. Lesiecki and J. W. Nibler and C. W. DeKock, "Laser Excited Raman Spectra of Matrix Isolated PrF₃," *J. Chem. Phys.* **57**, 1352 (1972).
27. M. L. Lesiecki and J. S. Shirk, "Infrared Spectrum of AlCl₃ and Al₂Cl₆ Isolated in Solid Argon," *J. Chem. Phys.* **56**, 4171 (1972).

Recent Presentations

1. "Fiber Delivered Er:YAG Laser for Glaucoma Surgery," SPIE OE/Lase 93, number 1877-40, Los Angeles, CA, 1993.
2. "Dentin Ablation by Laser: Energy vs. Volume," Annual Session of the American Association of Endodontists, San Francisco, CA, 1992.
3. "Medical Laser Delivery Systems," Optcon Solution Series, Optcon, Boston, MA, 1992.

Recent Presentations (continued)

4. "Er:YAG Laser Applications in Ophthalmology," IEEE Lasers and Electro-Optics Society Annual Meeting, Boston, MA, 1992.
5. "Laser Interstitial Therapies," IEEE Lasers and E-O Society Annual Meeting, San Jose, CA, 1991.
6. "Medical Applications of Lasers: Laser Lithotripsy," American Institute of Aeronautics and Astronautics, Honolulu, HI, 1991.
7. "Indocyanine Green Angiography with an Infrared Diode Laser Equipped Fundus Camera," Third International Congress on Laser Technology in Ophthalmology, San Francisco, CA, 1991.

Recent Conference Proceedings and Abstracts

1. M. Lesiecki, A. Assalian, K. Damji, N. Lesiecki and R. Allingham, "IOP Correlates with Acoustic Resonance Frequency," ARVO Abstracts, *Invest. Ophthalmol. Vis. Sci.*, **36**(4), 2868 (1995).
2. U. Klingbeil, J. Canter, M. Lesiecki and E. Reichel, "Infrared Laser Based Fundus Angiography," *Proc. Of the SPIE: Ophthalmic Technologies IV, Vol 2126*, 48-55 (1994).
3. MR Quigley, T Shih, A Elrifai, JC Maroon and ML Lesiecki, "Comparison of Nd:YAG Laser, Ho:YAG Laser and Nucleotomy in a Porcine Model" Am. Soc. Laser Medicine and Surgery Annual Meeting, *Lasers Surg. Med. Suppl.* **6**:108, Toronto, Canada, 1994.
4. MR Quigley, T Shih, A Elrifai, JC Maroon and ML Lesiecki, "Characterization of Optimum Laser Parameters for Percutaneous Laser Discetomy," Am. Soc. Laser Medicine and Surgery Annual Meeting, *Lasers Surg. Med. Suppl.* **6**:107, Toronto, Canada, 1994.
5. "A Diode Laser for Interstitial Hyperthermia," Am. Soc. Laser Medicine and Surgery Annual Meeting, *Lasers Surg. Med. Suppl.* **5**:360, New Orleans, LA, 1993.
6. M. Dahl, R. Hill, J. Ryan, M. Lesiecki, L. Liaw, M. Berns, "Ab-Externo Erbium (Er):YAG Laser Sclerostomies with 200, 300 and 400 u Fiberoptics in Rabbits," ARVO Abstracts, *Invest. Ophthalmol. Vis. Sci.*, **34**(4), 174 (1993).
7. S.K. Becker, R.L. Beckman, B.A. Welcome, M. Nissen, H.D. Perry, M.L. Lesiecki, "Subconjunctival Mitomycin-C as an Adjunct to Erbium Laser Sclerostomy in a Rabbit Model," ARVO Abstracts, *Inv. Ophth. Vis. Sci.*, **34**(4), 1807 (1993).
8. M. Lee, R. Hill, H. Yashiro, C. Constan, D. Stern, M. Lesiecki, et al.c "Ab-Interno Erbium (Er):YAG Laser Sclerostomy with Iridectomy in Dutch Cross Rabbits," ARVO Abstracts, *Inv. Ophth. Vis. Sci.*, **33**(4), 2867, (1992).
9. M. Lesiecki, R. Hill, D. Stern, et al., "Effects of Pulse Width on Erbium (Er):YAG Laser Ablation of Human Trabecular Meshwork," ARVO Abstracts, *Invest. Ophth. Vis. Sci.*, **33**(4), 2868 (1992). 13

Recent Conference Proceedings and Abstracts (continued)

10. R. Beckman, R. Simmons, O. Singh, H. Beckman, G. Baerveldt, J. Lowery, M. Lesiecki, "Ab-Externo Erbium Laser Sclerostomy in Humans," ARVO Abstracts, *Invest. Ophthalmol. Vis. Sci.*, **33**(4), 1637 (1992).
11. M. Quigley, T. Shih, A. Elrifai, D. Loesch, K. Smith, M. Lesiecki and J. Maroon, "Laser Discectomy: Comparison of HO:YAG and Nd:YAG Systems," *Surgical Forum* **42**, 507 (1991).
12. M. Lesiecki, "Applications of High Power Diode Lasers in Medicine," Proceedings of IEEE Lasers and Electro-Optics Society Annual Meeting, Boston, 1990.