

Recent Publications of Professor G. Jones II Research Group

“Nanosecond Laser Flash Photolysis: Dealing with Dynamic-range and Response-time Limitations of the Detection System”, V. Vullev, and G. Jones, II, *Journal of Applied Sciences*, **5**, 517 (2005).

“New Detection Targets for Amyloid-reactive Probes: Spectroscopic Recognition of Bacterial Spores”, G. Jones, II, and P. Landsman, *SPIE-Int. Soc. Opt. Eng.*, **5795** (Chemical and Biological Sensing VI), 1 (2005).

“Detection of Lipopolysaccharide and Lipid A Employing a Spermine-Pyrene Conjugate”, G. Jones, II, and H. Jiang, *Bioconjugate Chem.*, **16**, 621 (2005).

“Photochromic Agents as Tools for Protein Structure Study: Lapachenole Is a Photoaffinity Ligand of Cytochrome P450 3A4”, C. A. Gartner, B. Wen, J. Wan, R. S. Becker, G. Jones, II, S. P. Gygi, and S. D. Nelson, *Biochemistry*, **44**, 1846 (2005).

“A Biomimetic Approach to the Rocaglamides Employing Photogeneration of Oxidopyryliums Derived from 3-Hydroxyflavones”, B. Gerard, G. Jones, II, and J. A. Porco, Jr., *J. Am. Chem. Soc.*, **126**, 13620 (2004).

“Photophysical Properties, Photodegradation Characteristics, and Lasing Action for Coumarin Dye C540A in Polymeric Media”, G. Jones, II, Z. Huang, D. P. Pacheco, Jr., and J. A. Russell, *SPIE-Int. Soc. Opt. Eng.*, **5332** (Solid State Lasers XIII), 200 (2004).

“Photochemistry of Rhodamine Dye Salts Involving Intra-ion-pair Electron Transfer”, G. Jones, II, X. Wang, and J. Hu, *Canadian J. Chem.*, **81**, 789 (2003).

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“Photoinduced Electron Transfer for Pyrromethene Dyes”, G. Jones, II, S. Kumar, O. Klueva, and D. Pacheco, *J. Phys. Chem. A*, **107**, 8429 (2003).

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“Medium Effects on the Photophysical Properties of Terbium(III) Complexes with Pyridine-2,6-dicarboxylate”, G. Jones, II and V. I. Vullev, *Photochem. Photobiol. Sci.*, **1**, 925 (2002).

“Photoinduced Charge Transfer in Helical Poly-peptides”, V. I. Vullev and G. Jones, II, *Res. Chem. Intermed.*, **28**, 795 (2002).

“A Time-resolved Fluorescence Study of Dissolved Organic Matter in a Riverine to Marine Transition Zone”, C. D. Clark, J. Jimenez-Morais, G. Jones, II, E. Zanardi-Lamardo, C. A. Moore, and R. G. Zika, *Marine Chemistry*, **78**, 121 (2002).

“Photoinduced Electron Transfer in Alkanoylpyrene Aggregates in Conjugate Polypeptides”, V. I. Vullev and G. Jones, II, *Tetrahedron Lett.*, **43**, 8611 (2002).

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“Photochemical and Lasing Properties of Pyrromethene Dyes”, G. Jones, II, O. Klueva, S. Kumar, and D. Pacheco, *SPIE-Int. Soc. Opt. Eng.* (Solid State Lasers X), 51 (2001).

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