

Publications 2017

- Photocatalysis with Quantum Dots and Visible Light: Selective and Efficient Oxidation of Alcohols to Carbonyl Compounds Through a Radical Relay Process in Water
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- On the origin of chloride-induced emission enhancement in ortho substituted squaramides
A. Danao, V. Ramalingam, V. Ramamurthy and R. S. Muthyala, *J. Photochem. Photobiol. A*, **2017**, *344*, 108-113.
- Photoinduced electron transfer across an organic molecular wall: Octaacid encapsulated ESIPT dyes as electron donors
F. S. Santos, E. Ramasamy, V. Ramamurthy and F. S. Rodembusch, *Photochem. Photobiol. Sci.*, **2017**, *16*, 840-844.
- Melding Caged Compounds with Supramolecular Containers: The Photogeneration and Miscreant Behavior of the Coumarylmethyl Carbocation
N. Kamatham, José P. Da Silva, R. S. Givens and V. Ramamurthy, *Org. Lett.* **2017**, *19*, 3588–3591
- What is the Opto-Electronic Effect of the Capsule on the Guest Molecule in Aqueous Host/Guest Complexes? A Combined Computational and Spectroscopic Perspective
S. Bhandari, Z. Zheng, C-H. Chuang, M. Porel, Z-Q. You, V. Ramamurthy, C. Burda. J. M. Herbert, and B. D. Dunietz, *J. Phys. Chem. C* **2017**, *121*, 15481–15488
- A Green Synthesis of Indolines under Visible Light Irradiation
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- Container Chemistry: Manipulating excited state behavior of organic guests within cavitands that form capsules in water
P. Jagadesan, S. R. Samanta, R. Choudhury and V. Ramamurthy, *J Phys. Org. Chem.* **2017**, *30*, e3728; DOI: 10.1002/poc.3728
- ESI-MS of cucurbituril complexes under negative ESI
Maria A. A. Rodrigues, Débora C. Mendes, V. Ramamurthy and José P. Da Silva, *J. Am. Soc. Mass Spectrom.*, **2017**, *28*, 2508-2514.

General and Efficient Intermolecular [2+2] Photodimerization of Chalcones and Cinnamic Acid Derivatives in Solution through Visible Light Catalysis

T. Lei, C. Zhou, M. Y. Huang, L.M. Zhao, C. Ye, Q. Y. Meng, V. Ramamurthy, C. H. Tung, and L. Z. Wu, *Angew. Chem. Int. Ed.* **2017**, *56*, 15407–15410

Volume conserving geometric isomerization of encapsulated azobenzenes in ground- and excited states and as radical ion

A. Mohan Raj and V. Ramamurthy, *Org. Lett.* **2017**, *19*, 6116–6119