

Publications 2018

- Photochemistry in a capsule: Ultrafast electron transfer across an organic nanocapsular wall
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- Probing the pH Dependent Assembly-Disassembly of Water-Soluble Organic Capsules with Coumarins and Anthracene
A. Mohan Raj, S. G. Talluri, M. Dubus, S. Gupta, B. Mondal and V. Ramamurthy, *J. Photochem. Photobiol. A*, **2018**, 355, 398–407.
- Selective Photocycloaddition of Alkenes in Confined Spaces: A Comparison between Cucurbiturils, Cyclodextrins, and Calixarenes as Reaction Containers
M. Pattabiraman, J. Sivaguru and V. Ramamurthy, *Israel J. Chem.* **2018**, 58, 264-275
- Understanding the Complexation of Aliphatic and Aromatic acids Guests with Octa acid
R. Choudhury and V. Ramamurthy, *J. Phys. Org. Chem.*, **2018**, DOI: 10.1002/poc.3795
- Competitive binding of organic dyes between cucurbiturils and octaacid
S. Gupta, Y. Zhao, R. Varadharajan and V. Ramamurthy, *ACS Omega*, **2018**, 3, 5083-5091.
- Characterization and singlet oxygen oxidation of 1-alkyl cyclohexenes encapsulated within a water-soluble organic capsule
S. Gupta and V. Ramamurthy, *ChemPhotoChem.*, **2018**, 2, 655-666.
- Supramolecular-Surface Photochemistry: Assembly and photochemistry of host-guest capsules on silica surface
E. Ramasamy and V. Ramamurthy, *Org. Lett.*, **2018**, 20, 4187-4190.
- Luminescent supramolecular polymer nanoparticles for ratiometric hypoxia sensing, imaging and therapy
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- In Search of Stable Visible Light Absorbing Photocatalysts: Gold Nanoclusters
B. Mondal, M. Anthony Raj and V. Ramamurthy, *J. Chem. Sci.*, **2018**, 130: 139, 1-10. (<https://doi.org/10.1007/s12039-018-1553-x>)
- Efficient Chemo- and Regioselective Synthesis of Alkynyl Cyclobutanes by Visible Light Photocatalysis
C. Zhou, T. Lei, X-Z. Wei, Z. Liu, B.Chen, V. Ramamurthy, C-H. Tung, and L-Z. Wu, *Org. Lett.*, **2018**, 20, 6808-6811.