Publications (List of papers published in SCI Journals, in year wise descending order).

2015


2014


2013


2012


2011


2010


29. Preparation of graphene by the rapid and mild thermal reduction of graphene oxide induced by microwaves. Wufeng Chen, Lifeng Yan, P. R. Bangal, *Carbon* 2010,48 ,1146-1152

2009


2008


2007


2006


Before Joining CSIR-IICT


46. Solvent Effect on Spectroscopic Anomaly of 4-N,N dimethylamino cinnamaldehyde: A Competition between Twisted Intramolecular Charge Transfer and Intermolecular


(i) Photoinduced Proton Coupled Electron Transfer from hydrogen bonded Phenol-base pair to meso-tetrakis pentafluorophenyl Porphyrin(PFP).

(ii) Two-focus Fluorescence Correlation Spectroscopy (2fFCS): A robust tool for absolute Diffusion Coefficient Measurement in crowded environment.
(invited talk) P. R. Bangal, 24-28th Nov., 2013 FCS 2013, National Fluorescence Workshop IISC & JNCASR Bangalore. IT-12


(iv) Proton Coupled Electron Transfer(PCET) in free based Porphyrin, P Hemant Kumar, D. Siva, S. Prashanthi, P. R. Bangal. 3rd Asia Pacific Symposium of Radiation Chemistry(APSRC-2010) and Trombay Symposium on Radiation & Photochemistry. (TSRP-2010), PC-071. (Poster)

(v) Fluorescence Correlation Spectroscopy: A Promising Too for Nanomaterials Research. Prakriti Ranjan Bangal. JSPS-DST Asian Academic Seminar cum School-2010. 29th Nov-4th Dec, Saha Institute of Nuclear Physics, Kolkata. (Poster, selected as Outstanding Poster)

(vi) Proton Coupled Electron Transfer Probed by Fluorescence SpectroscopyS. Prashanthi, P. Hemant Kumar, P. R. Bangal. Fluorescence in Biology: An International Conference, 2009, Tata Institute of Fundamental Research, Mumbai India, P-47. (Poster)


(viii) Millimeter-wave spectral studies of cyanogen chloride (ClCN) produced by DC discharge. P.R. Varadwaj, P. R. Bangal and A.I. Jaman. *First International Conference on Millimeter and Sub-millimeter-wave spectroscopy and Technology* (ICSST-04), October 13-15, 2004, Indian Physical Laboratory, Ahmedabad. (Oral)

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