

Sl. No.	Title	Author(s)	Journal/Year/ Volume/ Page No./DOI	ISSN No.	Impact Factor
1	Glutathione-modified ultrasmall Ce ³⁺ and Tb ³⁺ -doped SrF ₂ nanocrystal for the fluorescent determination of Hg(II) and Pb(II) ions.	Manjunath Chatti, [#] Shyam Sarkar , [#] and Venkataramanan Mahalingam* (# equal authorship)	Microchimica Acta , 2016, 183,133–140 DOI: 10.1007/s00604-015-1610-9	1436-5073	3.741
2	Enhanced visible and nearinfrared emissions via Ce ³⁺ to Ln ³⁺ energy transfer in Ln ³⁺ -doped CeF ₃ nanocrystals (Ln=Sm and Nd).	Tuhin Samanta, Shyam Sarkar , Venkata NKB Adusumalli, and Venkataramanan Mahalingam*	Dalton Trans. , 2016, 45, 78–84 DOI: 10.1039/c5dt02974k	1477-9234	4.197
3	Highly selective and sensitive detection of Cu ²⁺ ions using Ce(III)/Tb(III)-doped SrF ₂ nanocrystals as fluorescent probe	Shyam Sarkar , Manjunath Chatti, Venkata N. K. B. Adusumalli, and Venkataramanan Mahalingam*	ACS Appl. Mater. Interfaces , 2015, 7, 25702–25708 DOI: 10.1021/acsami.5b06730	1944-8244	6.723
4	Strong Single-Band Blue Emission from Colloidal Ce ³⁺ /Tm ³⁺ -Doped NaYF ₄ Nanocrystals for Light-Emitting Applications.	Venkata N. K. B. Adusumalli, [#] Shyam Sarkar , [#] and Venkataramanan Mahalingam* (# equal authorship)	ChemPhysChem , 2015, 16, 2312 – 2316 DOI : 10.1002/cphc.201500104	1439-7641	3.419
5	Intense NIR emissions at 0.8 μm, 1.47 μm, and 1.53 μm from colloidal LiYbF ₄ :Ln ³⁺ (Ln = Tm ³⁺ and Er ³⁺) nanocrystals.	Shyam Sarkar , Venkata N. K. B. Adusumalli, Venkataramanan Mahalingam* and John A. Capobianco*	Phys. Chem. Chem. Phys. , 2015, 17, 17577-17583 DOI: 10.1039/c5cp01083g	1463-9076	4.493
6	Highly luminescent colloidal Eu ³⁺ -doped KZnF ₃ nanoparticles for the selective and sensitive detection of Cu(II) ions.	Shyam Sarkar , Manjunath Chatti, and Venkataramanan Mahalingam*	Chem. Eur. J. , 2014, 20, 3311-3316 DOI: 10.1002/chem.201304697	1521-3765	5.731
7	Strong Stokes and upconversion luminescence from ultrasmall Ln ³⁺ -doped	Shyam Sarkar , Armita Dash and Venkataramanan	Chem. Asian J. , 2014, 9, 447-451	1861-471X	4.587

	BiF ₃ (Ln= Eu ³⁺ , Yb ³⁺ /Er ³⁺) nanoparticles confined in a polymer matrix.	Mahalingam*	DOI: 10.1002/asia.201301281		
8	Microwave synthesis, photoluminescence and sunlight-driven photocatalytic activity of PVA functionalized Eu ³⁺ -doped BiOX (X = Cl, Br, I) nanoflakes”	Armita Dash, Shyam Sarkar , Venkata NKB Adusumalli, and Venkataramanan Mahalingam*	Langmuir. , 2014, 30, 1401-1409 DOI: 10.1021/la403996m	0743-7463	4.457
9	Tuning the Crystalline Phase and Morphology of the YF ₃ :Eu ³⁺ Microcrystals through Fluoride Source.	Shyam Sarkar , Venkataramanan Mahalingam*	CrystEngComm. , 2013, 15, 5750-5755 DOI: 10.1039/c3ce40554k	1466-8033	4.034
10	Sub-5 nm Ln ³⁺ -doped BaLuF ₅ Nanocrystals: A Platform to Realize Upconversion via Interparticle Energy Transfer.	Shyam Sarkar , Brahmaiah Meesaragandla, Chanchal Hazra and Venkataramanan Mahalingam*	Adv. Mater. , 2013, 25, 856-860 (Highlighted in Advances in Engineering) DOI: 10.1002/adma.201203641	1521-4095	15.409
11	Scaling Down the Size of the BaLnF ₅ (Ln=La, Gd, Lu) Nanocrystals by Ln ³⁺ Doping.	Shyam Sarkar , Chanchal Hazra, and Venkataramanan Mahalingam*	Dalton Trans. , 2013, 42, 63-66 DOI: 10.1039/c2dt31915b	1477-9234	4.197
12	Eu ³⁺ ions as an Optical Probe to Follow the Growth of Colloidal ZnO Nanostructures.	Chanchal Hazra, Shyam Sarkar , Brahmaiah Meesaragandla and Venkataramanan Mahalingam*	Dalton Trans. , 2013, 42, 11981-11986 DOI: 10.1039/c3dt51506k	1477-9234	4.197
13	Ricinoleic acid-capped upconverting nanocrystals: An ideal capping ligand to render nanocrystals water dispersible.	Brahmaiah Meesaragandla, Shyam Sarkar , Chanchal Hazra and Venkataramanan Mahalingam*	ChemPlusChem , 2013, 78, 1338-1342 DOI: 10.1002/cplu.201300205	2192-6506	3.026
14	Enhanced Quantum Efficiency for Dy ³⁺ Emissions in Water Dispersible PbF ₂	Shyam Sarkar , Chanchal Hazra, Manjunath Chatti,	RSC Adv. , 2012, 2, 8269-8272	2046-2069	3.84

	Nanocrystals.	Vasanthakumaran Sudarsan, and Venkataramanan Mahalingam*	DOI: 10.1039/c2ra21113k		
15	Bright Luminescence from Colloidal Ln ³⁺ -Doped Ca _{0.72} Y _{0.28} F _{2.28} (Ln=Eu, Tm/Yb) Nanocrystals via Both High and Low Energy Radiations.	Shyam Sarkar , Chanchal Hazra, and Venkataramanan Mahalingam*	<i>Chem. Eur. J.</i> , 2012, 18, 7050-7054 DOI: 10.1002/chem.201103157	1521-3765	5.731
16	Sonication-Responsive Organogelation of a Tripodal Peptide and Optical Properties of Embedded Tm ³⁺ Nanoclusters.	Sibaprasad Maity, Shyam Sarkar , Poulami Jana, Suman Kumar Maity, Santu Bera, Venkataramanan Mahalingam* and Debasish Halder*	<i>Soft Matter.</i> , 2012, 8, 3960-3966 DOI: 10.1039/c2sm25981h	1744-683X	4.029
17	Selective Reduction of Visible Upconversion Emissions Induced by Bi ³⁺ in Tm ³⁺ /Yb ³⁺ -doped Y _{0.89-x} Bi _x VO ₄ Microcrystals.	Chanchal Hazra, Shyam Sarkar and Venkataramanan Mahalingam*	<i>RSC Adv.</i> , 2012, 2, 6926-6931 DOI: 10.1039/c2ra20239e	2046-2069	3.84
18	The Correlation of the Variation of the Chemical Reactivity and Site Selectivity of Benzene, Naphthalene and Azulene in terms of Density Functional Descriptors.	Nazmul Islam, Monami Roy Chowdhury, Shyam Sarkar and Dulal C. Ghosh*	<i>Int. J. Chem. Mod.</i> , 2011, 4, 71-85	1941-3955	N/A