

Venkata Nanda Kishor Babu Adusumalli

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Microwave Synthesis, Photoluminescence, and Photocatalytic Activity of PVA-Functionalized Eu ³⁺ -Doped BiOX (X = Cl, Br, I) Nanoflakes. <i>Langmuir</i> , 2014, 30, 1401-1409.	1.6	138
2	Highly Selective and Sensitive Detection of Cu ²⁺ Ions Using Ce(III)/Tb(III)-Doped SrF ₂ Nanocrystals as Fluorescent Probe. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 25702-25708.	4.0	98
3	3,5-Dinitrobenzoic Acid-Capped Upconverting Nanocrystals for the Selective Detection of Melamine. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 7833-7839.	4.0	40
4	Enhanced visible and near infrared emissions via Ce ³⁺ to Ln ³⁺ energy transfer in Ln ³⁺ -doped CeF ₃ nanocrystals (Ln = Nd and Sm). <i>Dalton Transactions</i> , 2016, 45, 78-84.	1.6	33
5	Near-infrared light triggered superior photocatalytic activity from MoS ₂ -NaYF ₄ :Yb ³⁺ /Er ³⁺ nanocomposites. <i>Dalton Transactions</i> , 2016, 45, 12384-12392.	1.6	32
6	Ce ³⁺ sensitized bright white light emission from colloidal Ln ³⁺ doped CaF ₂ nanocrystals for the development of transparent nanocomposites. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2289-2294.	2.7	25
7	Strong Single-Band Blue Emission from Colloidal Ce ³⁺ /Tm ³⁺ -Doped NaYF ₄ Nanocrystals for Light-Emitting Applications. <i>ChemPhysChem</i> , 2015, 16, 2312-2316.	1.0	16
8	Methyl Oleate-Capped Upconverting Nanocrystals: A Simple and General Ligand Exchange Strategy To Render Nanocrystals Dispersible in Aqueous and Organic Medium. <i>Langmuir</i> , 2015, 31, 5521-5528.	1.6	15
9	Tuning the Energy Transfer Efficiency between Ce ³⁺ and Ln ³⁺ Ions (Ln=Tm, Sm,) <i>Tj ETQq1 1 0.784314 rgB</i> Journal, 2017, 23, 994-1000.	1.7	13
10	EDTA functionalization of SrF ₂ :Yb,Er nanoparticles by hydrothermal synthesis: Intense red upconversion, NIR-to-NIR emission and luminescence nanothermometry characteristics. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 20376-20392.	1.1	13
11	Intense NIR emissions at 0.8 μ m, 1.47 μ m, and 1.53 μ m from colloidal LiYbF ₄ :Ln ³⁺ (Ln) <i>Tj ETQq1 1 0.784314 rgB</i> Journal, 2017, 23, 17577-17583.	1.3	11
12	4-Mercaptobenzoic acid capped terbium(III)-doped CaF ₂ nanocrystals: a fluorescent probe for nitroaromatic pollutants. <i>Mikrochimica Acta</i> , 2019, 186, 389.	2.5	11
13	Gallic acid capped Tb ³⁺ -doped CaF ₂ nanocrystals: an efficient optical probe for the detection of carbonate and bicarbonate ions. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4267-4274.	2.7	11
14	Ce ³⁺ -Sensitized Tm ³⁺ /Mn ²⁺ -Doped NaYF ₄ Colloidal Nanocrystals: Intense Cool White Light from a Phosphor-Coated UV LED. <i>Chemistry - A European Journal</i> , 2017, 23, 18134-18139.	1.7	8
15	Double bond terminated Ln ³⁺ -doped LiYF ₄ nanocrystals with strong single band NIR emission: simple click chemistry route to make water dispersible nanocrystals with various functional groups. <i>New Journal of Chemistry</i> , 2016, 40, 3080-3085.	1.4	7
16	Classification of Transitions in Upconversion Luminescence of Lanthanides by Two-Dimensional Correlation Analysis. <i>Journal of Physical Chemistry A</i> , 2019, 123, 2457-2461.	1.1	6
17	3,5-Dihydroxy Benzoic Acid-Capped CaF ₂ :Tb ³⁺ Nanocrystals as Luminescent Probes for the WO ₄ ²⁻ Ion in Aqueous Solution. <i>ACS Omega</i> , 2020, 5, 4568-4575.	1.6	5
18	Ligand-Sensitized LaF ₃ :Eu ³⁺ and SrF ₂ :Eu ³⁺ Nanoparticles and in Vitro Haemocompatibility Studies. <i>ChemMedChem</i> , 2021, 16, 1640-1650.	1.6	5

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19	Red-emitting cyclometalated platinum(II) complexes with imidazolyl phenanthrolines: Synthesis and photophysical properties. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 361, 86-92.	2.0	3
20	Panchromatic Ru(II)-polypyridyl complexes as NIR emitters. <i>New Journal of Chemistry</i> , 2019, 43, 14669-14673.	1.4	3
21	Structural and optical studies of strong red emitting $\text{Na}_x\text{ScF}_{3+x}:\text{Yb}^{3+},\text{Er}^{3+}$ upconversion nanoparticles. <i>ALP Conference Proceedings</i> , 2019, , .	0.3	2