

Venkata Nanda Kishor Babu Adusumalli

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

21
papers

392
citations

9
h-index

19
g-index

21
ext. papers

440
ext. citations

4.7
avg, IF

3.77
L-index

#	Paper	IF	Citations
21	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	7.1	5
20	Ligand-Sensitized LaF ₃ :Eu and SrF ₂ :Eu Nanoparticles and in Vitro Haemocompatibility Studies. <i>ChemMedChem</i> , 2021 , 16, 1640-1650	3.7	1
19	3,5-Dihydroxy Benzoic Acid-Capped CaF ₂ :Tb Nanocrystals as Luminescent Probes for the WO ₄ Ion in Aqueous Solution. <i>ACS Omega</i> , 2020 , 5, 4568-4575	3.9	2
18	Panchromatic Ru(II)-polypyridyl complexes as NIR emitters. <i>New Journal of Chemistry</i> , 2019 , 43, 14669-14673	3.673	1
17	4-Mercaptobenzoic acid capped terbium(III)-doped CaF ₂ nanocrystals: a fluorescent probe for nitroaromatic pollutants. <i>Mikrochimica Acta</i> , 2019 , 186, 389	5.8	8
16	Structural and optical studies of strong red emitting Na _x ScF _{3+x} :Yb ³⁺ ,Er ³⁺ upconversion nanoparticles 2019 ,		2
15	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	2.1	6
14	Classification of Transitions in Upconversion Luminescence of Lanthanides by Two-Dimensional Correlation Analysis. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 2457-2461	2.8	3
13	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	4.7	3
12	Tuning the Energy Transfer Efficiency between Ce and Ln Ions (Ln=Tm, Sm, Tb, Dy) by Controlling the Crystal Phase of NaYF ₄ Nanocrystals. <i>Chemistry - A European Journal</i> , 2017 , 23, 994-1000	4.8	10
11	Ce-Sensitized Tm/Mn-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	4.8	8
10	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	3.6	5
9	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	4.3	25
8	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	7.1	21
7	Near-infrared light triggered superior photocatalytic activity from MoS ₂ -NaYF ₄ :Yb(3+)/Er(3+) nanocomposites. <i>Dalton Transactions</i> , 2016 , 45, 12384-92	4.3	26
6	Intense NIR emissions at 0.8 μ m, 1.47 μ m, and 1.53 μ m from colloidal LiYbF ₄ :Ln(3+) (Ln = Tm(3+) and Er(3+)) nanocrystals. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 17577-83	3.6	9
5	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, 25702-8	9.5	81

4	Strong Single-Band Blue Emission from Colloidal Ce(3+) /Tm(3+) -Doped NaYF ₄ Nanocrystals for Light-Emitting Applications. <i>ChemPhysChem</i> , 2015 , 16, 2312-6	3.2	13
3	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, 5521-8	4	15
2	3,5-Dinitrobenzoic acid-capped upconverting nanocrystals for the selective detection of melamine. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 7833-9	9.5	33
1	Microwave synthesis, photoluminescence, and photocatalytic activity of PVA-functionalized Eu ³⁺ -doped BiOX (X = Cl, Br, I) nanoflakes. <i>Langmuir</i> , 2014 , 30, 1401-9	4	115