

Manoj Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,021
citations

840776

11
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

1562
citing authors

#	ARTICLE	IF	CITATIONS
1	Forecast of Phase Diagram for the Synthesis of a Complex for the Detection of Cr ⁶⁺ Ions. ACS Omega, 2022, 7, 7460-7471.	3.5	4
2	Deciphering interaction between chlorophyll functionalized carbon quantum dots with arsenic and mercury toxic metals in water as highly sensitive dual-probe sensor. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 431, 114059.	3.9	7
3	Chelating agent and substrate effect on hydrothermal growth of Yb ³⁺ /Er ³⁺ doped NaYf ₄ film. Processing and Application of Ceramics, 2021, 15, 69-78.	0.8	4
4	Green route synthesized upconverting (NaYF ₄ : Yb ³⁺ , Tm ³⁺)nanophosphors and its photophysical and magnetic Properties. Journal of Luminescence, 2020, 228, 117654.	3.1	3
5	Fabrication of polyvinyl alcohol/chitosan oligosaccharide hydrogel: physicochemical characterizations and <i>in vitro</i> drug release study. International Journal of Polymer Analysis and Characterization, 2020, 25, 353-361.	1.9	11
6	Development of ultrasensitive and As ³⁺ -selective upconverting (NaYF ₄ :Yb ³⁺ ,Er ³⁺) platform. Analyst, The, 2020, 145, 6378-6387.	3.5	5
7	Synthesis of biocompatible, BSA capped fluorescent CaCO ₃ pre-nucleation nanoclusters for cell imaging applications. Journal of Materials Chemistry B, 2020, 8, 5729-5744.	5.8	18
8	Development of luminescent atacamite nanoclusters for bioimaging and photothermal applications. Nanotechnology, 2020, 31, 265102.	2.6	6
9	Polyvinyl alcohol/chitosan lactate composite hydrogel for controlled drug delivery. Materials Research Express, 2019, 6, 115408.	1.6	17
10	Development and characterization of rGO supported CdS MoS ₂ photoelectrochemical catalyst for splitting water by visible light. International Journal of Hydrogen Energy, 2019, 44, 16176-16189.	7.1	16
11	CdS supported on electrochemically reduced rGO for photo reduction of water to hydrogen. International Journal of Hydrogen Energy, 2019, 44, 10573-10584.	7.1	18
12	Understanding the In Situ Mechanistic Control of Plant-Derived Carbon Quantum Dots on the Synthesis of Gold Nanoparticles. ChemistrySelect, 2019, 4, 13677-13688.	1.5	2
13	Design and development of high bioluminescent resonance energy transfer efficiency hybrid-imaging constructs. Analytical Biochemistry, 2016, 498, 1-7.	2.4	5
14	Phase Diagram, Thermodynamic Stability and Interfacial Studies on Solid Dispersions of Phenothiazine-Acetanilide Drug System. , 2016, 1, 26-32.		1
15	Solution-phase detection of dual microRNA biomarkers in serum. Analytical and Bioanalytical Chemistry, 2012, 402, 543-550.	3.7	11
16	A rapid, sensitive, and selective bioluminescence resonance energy transfer (BRET)-based nucleic acid sensing system. Biosensors and Bioelectronics, 2011, 30, 133-139.	10.1	39
17	Highly sensitive and selective label-free optical detection of mercuric ions using photon upconverting nanoparticles. Biosensors and Bioelectronics, 2010, 25, 2431-2435.	10.1	80
18	Highly sensitive and selective oligonucleotide sensor for sickle cell disease gene using photon upconverting nanoparticles. Biosensors and Bioelectronics, 2009, 24, 1522-1526.	10.1	68

#	ARTICLE	IF	CITATIONS
19	Highly Sensitive and Selective Label-Free Optical Detection of DNA Hybridization Based on Photon Upconverting Nanoparticles. <i>Langmuir</i> , 2009, 25, 6024-6027.	3.5	92
20	Synthesis, characterization and biosensing application of photon upconverting nanoparticles. <i>Proceedings of SPIE</i> , 2009, 7188, .	0.8	3
21	Nanoparticle-Based Photosensitizers under CW Infrared Excitation. <i>Chemistry of Materials</i> , 2007, 19, 6071-6072.	6.7	57
22	Versatile Photosensitizers for Photodynamic Therapy at Infrared Excitation. <i>Journal of the American Chemical Society</i> , 2007, 129, 4526-4527.	13.7	554