

Rajesh Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

442
citations

687363

13
h-index

752698

20
g-index

24
all docs

24
docs citations

24
times ranked

100
citing authors

#	ARTICLE	IF	CITATIONS
1	Applicability of Reddish-Orange Light Emitting Samarium (III) Complexes for Biomedical and Multifunctional Optoelectronic Devices. <i>Journal of Fluorescence</i> , 2022, 32, 613-627.	2.5	19
2	Optoelectronic and biological quantification of semi-conducting, crimson europium chelates with fluorinated β -keto acid and N-donor ancillary ligands. <i>Research on Chemical Intermediates</i> , 2022, 48, 1685-1716.	2.7	13
3	Optical and photophysical portrayal of Sm ³⁺ complexes possessing two band gaps for relevance in solar cells and photovoltaic devices. <i>Journal of Molecular Structure</i> , 2022, 1260, 132847.	3.6	19
4	Urbach and Judd-Ofelt analysis of crystalline samarium (III) complexes with β -ketocarboxylate and nitrogen donor secondary ligands. <i>Polyhedron</i> , 2022, 221, 115847.	2.2	17
5	Fluoroquinolones Metal Complexes as Potent Antibacterial Agents. <i>Asian Journal of Chemistry</i> , 2022, 34, 1055-1065.	0.3	0
6	Judd-Ofelt, optical and photophysical analysis of β -ketocarboxylate Sm(III) complexes with N-donor aromatic system as secondary sensitizers. <i>Optical Materials</i> , 2022, 128, 112463.	3.6	13
7	Judd-Ofelt analysis of warm reddish orange light emanating samarium (III) complexes possessing two band gaps. <i>Journal of Molecular Structure</i> , 2022, , 133423.	3.6	7
8	Achieving crimson red emission of europium (III) complexes with β -keto acids and ancillary ligands for their applications in optoelectronic devices and biomedical domain. <i>Optik</i> , 2022, 264, 169389.	2.9	10
9	Reinforced Optical Properties of Sm ³⁺ Complexes with β -Hydroxyketone Ligand by Using Methylated Auxiliary Ligands. <i>Asian Journal of Chemistry</i> , 2022, 34, 1749-1754.	0.3	0
10	Synthesis and photosensitization study of red luminescent europium (III) complexes with heterocyclic ligands for application in OLEDs. <i>Inorganic Chemistry Communication</i> , 2022, 142, 109720.	3.9	10
11	Utilization of Judd-Ofelt theory to assess the photophysical properties of β -keto carboxylate Tb(III) complexes with heterocyclic secondary sensitizer. <i>Optical Materials</i> , 2022, 131, 112629.	3.6	15
12	Photoluminescence performance of green light emitting terbium (III) complexes with β -hydroxy ketone and nitrogen donor ancillary ligands. <i>Luminescence</i> , 2021, 36, 742-754.	2.9	12
13	Enhanced Optoelectronic and Biological Potential of Virescent-Glowing Terbium(III) Complexes with Pyrazole Acid. <i>Journal of Electronic Materials</i> , 2021, 50, 2656-2668.	2.2	18
14	Designing of emerald terbium (III) ions with β -ketocarboxylic acid and heterocyclic ancillary ligands for biological and optoelectronic applications. <i>Luminescence</i> , 2021, 36, 1658-1670.	2.9	28
15	Designing of luminescent complexes of europium(III) ion with hydroxyl ketone and nitrogen donor secondary ligands for improving the luminescence performance and biological actions. <i>Inorganica Chimica Acta</i> , 2021, 525, 120463.	2.4	24
16	Synthesis and photoluminescence analysis of europium(III) complexes with pyrazole acid and nitrogen containing auxiliary ligands. <i>Spectroscopy Letters</i> , 2020, 53, 625-647.	1.0	38
17	An energy-efficient novel emerald Er ³⁺ doped SrGdAlO ₄ nanophosphor for PC WLEDs excitable by NUV light. <i>Ceramics International</i> , 2019, 45, 24104-24114.	4.8	66
18	Synthesis, Optical Investigation and Biological Properties of Europium(III) Complexes with 2-(4-Chlorophenyl)-1-(2-Hydroxy-4-Methoxyphenyl)Ethan-1-one and Ancillary Ligands. <i>Journal of Fluorescence</i> , 2017, 27, 1-11.	2.5	31

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19	Synthesis, characterization, enhanced photoluminescence, antimicrobial and antioxidant activities of novel Sm(III) complexes containing 1-(2-hydroxy-4,6-dimethoxyphenyl)ethanone and nitrogen containing ancillary ligands. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 878-885.	2.2	26
20	Synthesis, photoluminescence and biological properties of terbium(III) complexes with hydroxyketone and nitrogen containing heterocyclic ligands. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 152, 304-310.	3.9	17
21	Luminescent properties of europium and terbium complexes with 2-hydroxy-4,6-dimethoxyacetophenone. <i>Displays</i> , 2010, 31, 116-121.	3.7	22
22	Preparation and photoluminescent properties of europium complexes with methoxy derivatives of 2-hydroxy-2-phenylacetophenones. <i>Journal of Luminescence</i> , 2008, 128, 1297-1302.	3.1	21
23	Preparation and photoluminescence characteristics of Eu ³⁺ -doped MgAl _{1.8} Y _{0.2} O ₄ nanocrystals. <i>Journal of Luminescence</i> , 2007, 126, 597-601.	3.1	14