

Dongcai Guo

List of Publications by Year in descending order

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papers

426
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840776

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#	ARTICLE	IF	CITATIONS
1	Optimization method for green SrAl ₂ O ₄ :Eu ²⁺ ,Dy ³⁺ phosphors synthesized via co-precipitation route assisted by microwave irradiation using orthogonal experimental design. <i>Ceramics International</i> , 2015, 41, 15034-15040.	4.8	52
2	Optimization and complexing agent-assisted synthesis of green SrAl ₂ O ₄ :Eu ²⁺ , Dy ³⁺ phosphors through sol-gel process. <i>Journal of Luminescence</i> , 2016, 176, 272-277.	3.1	40
3	Improving the MR Imaging Sensitivity of Upconversion Nanoparticles by an Internal and External Incorporation of the Gd ³⁺ Strategy for in Vivo Tumor-Targeted Imaging. <i>Langmuir</i> , 2016, 32, 1155-1165.	3.5	34
4	A novel fluorescent probe for selective detection of hydrogen sulfide in living cells. <i>New Journal of Chemistry</i> , 2018, 42, 5185-5192.	2.8	33
5	Preparation and properties of Eu and Dy co-doped strontium aluminate long afterglow nanomaterials. <i>Ceramics International</i> , 2018, 44, 7535-7544.	4.8	33
6	Efficient energy transfer, multi-colour emitting and temperature sensing behavior of single-phase Tb ³⁺ , Eu ³⁺ co-doped strontium fluoride phosphors. <i>Journal of Luminescence</i> , 2019, 211, 209-217.	3.1	27
7	Synthesis and luminescence properties of 1,3,4-oxadiazole acetamide derivatives and their rare earth complexes. <i>Journal of Alloys and Compounds</i> , 2015, 620, 383-389.	5.5	22
8	Rare earth insitu-doped ZIF-67 derived N doped C encapsulated Sm ₂ O ₃ /Co nanoparticles as excellent oxygen reduction reaction catalyst for Al-air batteries. <i>Journal of Power Sources</i> , 2021, 482, 229052.	7.8	21
9	Multifunctional AIE schiff-base ligands and corresponding europium(III) complexes: pH response and fluorescence properties. <i>Dyes and Pigments</i> , 2019, 168, 84-92.	3.7	15
10	Synthesis, characterization and properties of novel amide derivatives based open-chain crown ether and their Tb (III) complexes. <i>Journal of Luminescence</i> , 2015, 160, 35-42.	3.1	13
11	Synthesis and luminescence properties of terbium complexes based on 4-acyl pyrazolone derivatives. <i>Journal of Luminescence</i> , 2017, 188, 223-229.	3.1	13
12	Synthesis and luminescence properties of 2-(benzylcarbamoyl)phenyl derivatives and their europium complexes. <i>Luminescence</i> , 2013, 28, 280-286.	2.9	11
13	Synthesis and antibacterial activity evaluation of 2,6-bis(6-substituted-1,2,4-triazolo[3,4-b][1,3,4]thiadiazol-3-yl)pyridine derivatives. <i>Medicinal Chemistry Research</i> , 2014, 23, 1941-1949.	2.4	11
14	Synthesis and luminescence properties of pyrazolone derivatives and their terbium complexes. <i>Luminescence</i> , 2015, 30, 677-685.	2.9	10
15	Synthesis and Fluorescence Properties of Eu ³⁺ , Tb ³⁺ Complexes with Schiff Base Derivatives. <i>Journal of Fluorescence</i> , 2016, 26, 567-576.	2.5	10
16	Novel pyrazolone derivatives and corresponding europium(III) complexes: Synthesis and properties research. <i>Dyes and Pigments</i> , 2018, 158, 28-35.	3.7	10
17	Preparation and fluorescence properties of novel 2-quinolone derivatives and their corresponding Eu(III) complexes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 599, 124861.	4.7	9
18	Synthesis and luminescence properties of salicylaldehyde isonicotinoyl hydrazone derivatives and their europium complexes. <i>Journal of Inorganic Biochemistry</i> , 2015, 150, 100-107.	3.5	8

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19	Effects of co-activator species and transition metal ions doping on structure and fluorescence properties of strontium aluminate phosphors. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 3804-3810.	2.2	8
20	Efficient energy transfer from Ce ³⁺ to Tb ³⁺ in BaF ₂ : green-emitting phosphors for potential applications in the detection of Cu ²⁺ ions. <i>New Journal of Chemistry</i> , 2021, 45, 1446-1455.	2.8	8
21	Synthesis and luminescence properties of novel 8-hydroxyquinoline derivatives and their Eu(III) complexes. <i>Luminescence</i> , 2018, 33, 855-862.	2.9	7
22	Synthesis, characterization and properties of salicylhydrazone derivatives and their terbium complexes. <i>Luminescence</i> , 2016, 31, 507-514.	2.9	5
23	Insight into the mechanism of intense NIR-to-red upconversion luminescence in Er ³⁺ doped and Er ³⁺ -Yb ³⁺ co-doped SrF ₂ nanoparticles. <i>New Journal of Chemistry</i> , 2021, 45, 6469-6478.	2.8	5
24	Novel salicyloylhydrazone derivatives and corresponding terbium(III) complexes: Synthesis and properties research. <i>Luminescence</i> , 2019, 34, 90-97.	2.9	4
25	Two novel ESIPT benzothiazol derivatives and corresponding europium(III) complexes: Synthesis and fluorescent properties. <i>Optical Materials</i> , 2019, 88, 606-614.	3.6	4
26	Synthesis and fluorescent properties of europium complexes with amide-type podand ligands of methyl salicylate. <i>Research on Chemical Intermediates</i> , 2016, 42, 425-438.	2.7	3
27	Novel intramolecular charge transfer effect-based ligands and aggregation-induced emission-active europium complexes: synthesis, characterization, and fluorescence properties. <i>Luminescence</i> , 2021, 36, 306-315.	2.9	3
28	Preparation and optical properties of CaYAl ₃ O ₇ :Eu ²⁺ , Dy ³⁺ phosphors with blue long afterglow luminescence. <i>Solid State Communications</i> , 2022, 353, 114857.	1.9	3
29	Synthesis and luminescence properties of novel carbazolyl-containing amino alcohol Schiff bases. <i>Research on Chemical Intermediates</i> , 2015, 41, 2591-2601.	2.7	2
30	Synthesis and properties of coumarin derivatives and their terbium complexes. <i>Research on Chemical Intermediates</i> , 2016, 42, 5269-5280.	2.7	2
31	Synthesis and fluorescent properties of europium (III) complexes based on novel coumarin derivatives. <i>Luminescence</i> , 2022, , .	2.9	0