

# Dongcai Guo

## List of Publications by Year in descending order

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papers

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Synthesis and fluorescent properties of europium (III) complexes based on novel coumarin derivatives. Luminescence, 2022, , .	2.9	0
2	Preparation and optical properties of CaYAl <sub>3</sub> O <sub>7</sub> :Eu <sup>2+</sup> , Dy <sup>3+</sup> phosphors with blue long afterglow luminescence. Solid State Communications, 2022, 353, 114857.	1.9	3
3	Novel intramolecular charge transfer effect-based ligands and aggregation-induced emission-active europium complexes: synthesis, characterization, and fluorescence properties. Luminescence, 2021, 36, 306-315.	2.9	3
4	Rare earth insitu-doped ZIF-67 derived N doped C encapsulated Sm <sub>2</sub> O <sub>3</sub> /Co nanoparticles as excellent oxygen reduction reaction catalyst for Al-air batteries. Journal of Power Sources, 2021, 482, 229052.	7.8	21
5	Insight into the mechanism of intense NIR-to-red upconversion luminescence in Er <sup>3+</sup> doped and Er <sup>3+</sup> -Yb <sup>3+</sup> co-doped SrF <sub>2</sub> nanoparticles. New Journal of Chemistry, 2021, 45, 6469-6478.	2.8	5
6	Efficient energy transfer from Ce <sup>3+</sup> to Tb <sup>3+</sup> in BaF <sub>2</sub> : green-emitting phosphors for potential applications in the detection of Cu <sup>2+</sup> ions. New Journal of Chemistry, 2021, 45, 1446-1455.	2.8	8
7	Preparation and fluorescence properties of novel 2-quinolone derivatives and their corresponding Eu(III) complexes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 599, 124861.	4.7	9
8	Multifunctional AIE schiff-base ligands and corresponding europium(III) complexes: pH response and fluorescence properties. Dyes and Pigments, 2019, 168, 84-92.	3.7	15
9	Efficient energy transfer, multi-colour emitting and temperature sensing behavior of single-phase Tb <sup>3+</sup> , Eu <sup>3+</sup> co-doped strontium fluoride phosphors. Journal of Luminescence, 2019, 211, 209-217.	3.1	27
10	Effects of co-activator species and transition metal ions doping on structure and fluorescence properties of strontium aluminate phosphors. Journal of Materials Science: Materials in Electronics, 2019, 30, 3804-3810.	2.2	8
11	Novel salicyloylhydrazone derivatives and corresponding terbium(III) complexes: Synthesis and properties research. Luminescence, 2019, 34, 90-97.	2.9	4
12	Two novel ESIPT benzothiazol derivatives and corresponding europium(III) complexes: Synthesis and fluorescent properties. Optical Materials, 2019, 88, 606-614.	3.6	4
13	Synthesis and luminescence properties of novel 8-hydroxyquinoline derivatives and their Eu(III) complexes. Luminescence, 2018, 33, 855-862.	2.9	7
14	A novel fluorescent probe for selective detection of hydrogen sulfide in living cells. New Journal of Chemistry, 2018, 42, 5185-5192.	2.8	33
15	Preparation and properties of Eu and Dy co-doped strontium aluminate long afterglow nanomaterials. Ceramics International, 2018, 44, 7535-7544.	4.8	33
16	Novel pyrazolone derivatives and corresponding europium(III) complexes: Synthesis and properties research. Dyes and Pigments, 2018, 158, 28-35.	3.7	10
17	Synthesis and luminescence properties of terbium complexes based on 4-acyl pyrazolone derivatives. Journal of Luminescence, 2017, 188, 223-229.	3.1	13
18	Optimization and complexing agent-assisted synthesis of green SrAl <sub>2</sub> O <sub>4</sub> : Eu <sup>2+</sup> , Dy <sup>3+</sup> phosphors through sol-gel process. Journal of Luminescence, 2016, 176, 272-277.	3.1	40

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19	Synthesis, characterization and properties of salicylhydrazone and salicylacylhydrazone derivatives and their terbium complexes. <i>Luminescence</i> , 2016, 31, 507-514.	2.9	5
20	Synthesis and Fluorescence Properties of Eu <sup>3+</sup> , Tb <sup>3+</sup> Complexes with Schiff Base Derivatives. <i>Journal of Fluorescence</i> , 2016, 26, 567-576.	2.5	10
21	Improving the MR Imaging Sensitivity of Upconversion Nanoparticles by an Internal and External Incorporation of the Gd <sup>3+</sup> Strategy for in Vivo Tumor-Targeted Imaging. <i>Langmuir</i> , 2016, 32, 1155-1165.	3.5	34
22	Synthesis and properties of coumarin derivatives and their terbium complexes. <i>Research on Chemical Intermediates</i> , 2016, 42, 5269-5280.	2.7	2
23	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
24	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
25	Optimization method for green SrAl <sub>2</sub> O <sub>4</sub> :Eu <sup>2+</sup> , Dy <sup>3+</sup> 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
26	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
27	Synthesis and luminescence properties of pyrazolone derivatives and their terbium complexes. <i>Luminescence</i> , 2015, 30, 677-685.	2.9	10
28	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
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 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
31	Synthesis and luminescence properties of 2-(benzylcarbamoyl)phenyl derivatives and their europium complexes. <i>Luminescence</i> , 2013, 28, 280-286.	2.9	11