Xiaoping Yang

List of Publications by Year
in descending order

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Version: 2024-02-01

86 papers	2,773 citations	201674 27 h-index	182427 51 g-index
86 all docs	86 docs citations	86 times ranked	2097 citing authors

#	Article	IF	Citations
1	Anion Dependent Self-Assembly of â€œTetra-Deckerâ€•and â€œTriple-Deckerâ€•Luminescent Tb(III) Salen Complexes. Journal of the American Chemical Society, 2005, 127, 7686-7687.	13.7	192
2	Luminescent 4f and d-4f polynuclear complexes and coordination polymers with flexible salen-type ligands. Coordination Chemistry Reviews, 2014, 273-274, 63-75.	18.8	157
3	Heterobimetallic Zn(II)â^'Ln(III) Phenylene-Bridged Schiff Base Complexes, Computational Studies, and Evidence for Singlet Energy Transfer as the Main Pathway in the Sensitization of Near-Infrared Nd3+ Luminescence. Inorganic Chemistry, 2006, 45, 9315-9325.	4.0	155
4	Multinuclear Luminescent Schiff-Base Znâ^'Nd Sandwich Complexes. Inorganic Chemistry, 2006, 45, 4340-4345.	4.0	139
5	Anion-Dependent Self-Assembly of Near-Infrared Luminescent 24- and 32-Metal Cdâ€“Ln Complexes with Drum-like Architectures. Journal of the American Chemical Society, 2013, 135, 8468-8471.	13.7	134
6	A Pyrrolyl-Based Triazolophane: A Macrocyclic Receptor With CH and NH Donor Groups That Exhibits a Preference for Pyrophosphate Anions. Journal of the American Chemical Society, 2010, 132, 14058-14060.	13.7	128
7	Photoluminescent Europium-Containing Inner Sphere Conducting Metallopolymer. Journal of the American Chemical Society, 2008, 130, 1546-1547.	13.7	120
8	Synthesis and near infrared luminescence of a tetrametallic Zn2Yb2 architecture from a trinuclear Zn3L2 Schiff base complex. Dalton Transactions, 2005, , 849.	3.3	95
9	A pyrrole-based triazolium-phane with NH and cationic CH donor groups as a receptor for tetrahedral oxyanions that functions in polar media. Chemical Science, 2013, 4, 1560.	7.4	85
10	Design and Synthesis of Nearâ€Infrared Emissive Lanthanide Complexes Based on Macrocyclic Ligands. European Journal of Inorganic Chemistry, 2011, 2011, 4651-4674.	2.0	80
11	Pentanuclear tetra-decker luminescent lanthanide Schiff base complexes. Dalton Transactions, 2008, , 1676.	3.3	73
12	Self-Assembly of Luminescent Hexanuclear Lanthanide Salen Complexes. Crystal Growth and Design, 2012, 12, 970-974.	3.0	71
13	Metal-Controlled Assembly of Near-Infrared-Emitting Pentanuclear Lanthanide Î²-Diketone Clusters. Inorganic Chemistry, 2010, 49, 2583-2585.	4.0	66
14	Anion-dependent construction of two hexanuclear 3dâ€“4f complexes with a flexible Schiff base ligand. Dalton Transactions, 2012, 41, 11449.	3.3	64
15	Anion dependent self-assembly of drum-like 30- and 32-metal Cdâ€“Ln nanoclusters: visible and NIR luminescent sensing of metal cations. Journal of Materials Chemistry C, 2018, 6, 865-874.	5.5	61
16	Anion dependant self-assembly and the first X-ray structure of a neutral homoleptic lanthanide salen complex Tb4(salen)6. Chemical Communications, 2008, , 3266.	4.1	60
17	Europium Complexes of a Novel Ethylenedioxythiophene-Derivatized Bis(pyrazolyl)pyridine Ligand Exhibiting Efficient Lanthanide Sensitization. Inorganic Chemistry, 2010, 49, 2035-2037.	4.0	59
18	Self-assembly of luminescent 12-metal Znâ€“Ln planar nanoclusters with sensing properties towards nitro explosives. Journal of Materials Chemistry C, 2018, 6, 8513-8521.	5.5	56

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19	Synthesis of an Octanuclear Eu(III) Cage from Eu42+:â€‰ Chloride Anion Encapsulation, Luminescence, and Reversible MeOH Adsorption via a Porous Supramolecular Architecture. Inorganic Chemistry, 2007, 46, 7050-7054.	4.0	53
20	Reversible guest molecule encapsulation in the 3-D framework of a heteropolynuclear luminescent Zn4Eu2 cage complex. Chemical Communications, 2006, , 3827.	4.1	46
21	Syntheses, structures, and photoluminescence of 1-D lanthanide coordination polymers. Dalton Transactions, 2009, , 10505.	3.3	46
22	Synthesis, X-ray crystal structure and photophysical properties of tris(dibenzoylmethanido)(1,10-phenanthroline)samarium(III). Polyhedron, 2010, 29, 2511-2515.	2.2	45
23	Construction of 1-D 4f and 3dâ€“4f coordination polymers with flexible Schiff base ligands. Dalton Transactions, 2011, 40, 9795.	3.3	45
24	Large Ln₄₂ coordination nanorings: NIR luminescence sensing of metal ions and nitro explosives. Chemical Communications, 2019, 55, 13116-13119.	4.1	44
25	Self-assembly of NIR luminescent 30-metal drum-like and 12-metal rectangular dâ€“f nanoclusters with long-chain Schiff base ligands. Chemical Communications, 2014, 50, 15569-15572.	4.1	34
26	A nanoscale slipped sandwich of Tb10-stabilization of a benzaldehyde methyl hemiacetyl. Dalton Transactions, 2004, , 1787.	3.3	29
27	A 42-metal Yb(<scp>iii</scp>) nanowheel with NIR luminescent response to anions. Nanoscale, 2020, 12, 1384-1388.	5.6	29
28	Anion dependent self-assembly of luminescent Znâ€“Ln (Eu and Tb) salen complexes. Polyhedron, 2013, 52, 165-169.	2.2	28
29	Cation sensing by luminescent high-nuclearity Znâ€“Eu Schiff base nanoscale complexes: high sensitivity to Ag⁺ and Cd²⁺ ions at the ppm level. Dalton Transactions, 2019, 48, 2206-2212.	3.3	27
30	Transformation of a Luminescent Benzimidazole-Based Yb3 Cluster into a One-Dimensional Coordination Polymer. Crystal Growth and Design, 2010, 10, 970-976.	3.0	26
31	Influence of metalâ€“ligand ratio on benzimidazole based luminescent lanthanide complexes: 3-D network structures and chloride anion binding. New Journal of Chemistry, 2011, 35, 310-318.	2.8	26
32	A self-assembling luminescent lanthanide molecular nanoparticle with potential for liveÂcell imaging. Chemical Science, 2018, 9, 4630-4637.	7.4	26
33	Anion dependent self-assembly of a linear hexanuclear Yb(iii) salen complex with enhanced near-infrared (NIR) luminescence properties. Chemical Communications, 2013, 49, 9579.	4.1	25
34	Anion dependent self-assembly of 56-metal Cdâ€“Ln nanoclusters with enhanced near-infrared luminescence properties. Nanoscale, 2014, 6, 10569-10573.	5.6	24
35	Self-assembly of luminescent 42-metal lanthanide nanowheels with sensing properties towards metal ions and nitro explosives. Journal of Materials Chemistry C, 2019, 7, 13425-13431.	5.5	23
36	Construction of luminescent high-nuclearity Znâ€“Ln rectangular nanoclusters with flexible long-chain Schiff base ligands. Dalton Transactions, 2018, 47, 53-57.	3.3	21

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37	Synthesis and structures of luminescent ladder-like lanthanide coordination polymers of 4-hydroxybenzenesulfonate. New Journal of Chemistry, 2008, 32, 790.	2.8	20
38	NIR luminescence for the detection of metal ions and nitro explosives based on a grape-like nine-nuclear Nd(<scp>iii</scp>) nanocluster. Inorganic Chemistry Frontiers, 2019, 6, 550-555.	6.0	20
39	Construction of a Large High-Nuclearity Cdâ€“Sm Schiff Base Cluster with Nanoscale Inner Cavity as Luminescent Probe for Metal Cations. Crystal Growth and Design, 2019, 19, 2149-2154.	3.0	20
40	Construction of Zn(II)/Cd(II)â€“Yb(III) Schiff Base Complexes for the NIR Luminescent Sensing of Fluoroquinolone Antibiotics. Inorganic Chemistry, 2021, 60, 5764-5770.	4.0	17
41	Construction of 14-metal lanthanide nanorings with NIR luminescence response to ions. Chemical Communications, 2020, 56, 8651-8654.	4.1	16
42	Self-assembly of high-nuclearity lanthanide-based nanoclusters for potential bioimaging applications. Nanoscale, 2016, 8, 11123-11129.	5.6	14
43	Construction of NIR luminescent polynuclear lanthanide-based nanoclusters with sensing properties towards metal ions. Dalton Transactions, 2018, 47, 13880-13886.	3.3	14
44	Construction of luminescent tetranuclear Niâ€“Ln (Lnâ€¯=â€¯Eu and Yb) Schiff base nanoclusters. Polyhedron, 2019, 164, 108-112.	2.2	12
45	Construction of a 18-Metal Neodymium(III) Nanoring with NIR Luminescent Sensing to Antibiotics. Inorganic Chemistry, 2020, 59, 17608-17613.	4.0	12
46	Anion dependent self-assembly of sandwich 13-metal Niâ€“Ln nanoclusters with a long-chain Schiff base ligand. Dalton Transactions, 2017, 46, 1748-1752.	3.3	11
47	Construction of a High-Nuclearity Elliptical Yb(III) Nanoring: NIR Luminescent Response to Metal Ions and Nitro Explosives. Inorganic Chemistry, 2020, 59, 14620-14626.	4.0	11
48	Construction of a luminescent square-like Cd₆Eu₂ nanocluster for the quantitative detection of 2,6-dipicolinic acid as an anthrax biomarker. Journal of Materials Chemistry C, 2022, 10, 3510-3516.	5.5	11
49	Synthesis and Crystal Structure of a New Heterotrinuclear Schiff-Base Znâ€“Gd Complex. Journal of Chemical Crystallography, 2010, 40, 1060-1064.	1.1	10
50	First NIR luminescent polymeric high-nuclearity Cdâ€“Ln nanoclusters from a long-chain Schiff base ligand. Journal of Materials Chemistry C, 2016, 4, 1589-1593.	5.5	10
51	One High-Nuclearity Cd(II)â€“Yb(III) Nanoring with Near-IR Luminescent Sensing to Antibiotics. Inorganic Chemistry, 2020, 59, 16809-16813.	4.0	10
52	Construction of two lanthanide schiff base complexes: Chiral â€œtriple-deckerâ€•structure and NIR luminescent response towards anions. Journal of Luminescence, 2021, 229, 117679.	3.1	10
53	Rapid and Reliable Excitation Wavelength-Dependent Detection of 2,6-Dipicolinic Acid Based on a Luminescent Cd(II)â€“Tb(III) Nanocluster. Inorganic Chemistry, 2022, 61, 8484-8489.	4.0	10
54	Enhancement of the luminescence properties of high-nuclearity Cdâ€“Ln (Ln = Eu and Nd) nanoclusters by the introduction of more energy transfer donors. Nanoscale, 2017, 9, 517-521.	5.6	9

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55	Self-assembly of luminescent Znâ€“Ln (Ln = Sm and Nd) nanoclusters with a long-chain Schiff base ligand. New Journal of Chemistry, 2018, 42, 7241-7246.	2.8	9
56	High-Nuclearity Cd(II)â€“Nd(III) Nanowheel with NIR Emission Sensing of Metal Cations and Nitro-Based Explosives. Crystal Growth and Design, 2021, 21, 2821-2827.	3.0	9
57	Luminescent Electropolymerizable Ruthenium Complexes and Corresponding Conducting Metallopolymers. Macromolecules, 2018, 51, 8217-8228.	4.8	8
58	Construction of Chiral â€œTriple-Deckerâ€•Nd(III) Nanocluster with High NIR Luminescence Sensitivity toward Co(II). Inorganic Chemistry, 2020, 59, 8652-8656.	4.0	8
59	One high-nuclearity Eu₁₈ nanoring with rapid ratiometric fluorescence response to dipicolinic acid (an anthrax biomarker). Chemical Communications, 2021, 57, 7316-7319.	4.1	8
60	Anisotropic lanthanide-based nano-clusters for imaging applications. Faraday Discussions, 2016, 191, 465-479.	3.2	7
61	Synthesis, crystal structures and NIR luminescence properties of binuclear lanthanide Schiff Base complexes. Inorganic Chemistry Communication, 2017, 85, 52-55.	3.9	7
62	Self-assembly of one visible and NIR luminescent Sm(III) coordination polymer with flexible Schiff base ligand. Inorganica Chimica Acta, 2019, 490, 24-28.	2.4	7
63	Acetylide and triazolato complexes from Ru(II) azides. Main Group Chemistry, 2010, 9, 41-56.	0.8	6
64	Metal cation sensing by a NIR luminescent high-nuclearity Znâ€“Yb schiff base nanocluster. Journal of Luminescence, 2019, 213, 440-445.	3.1	6
65	Construction of a nano-rectangular Zn-Nd complex with near-infrared luminescent response towards metal ions. Chinese Chemical Letters, 2021, 32, 569-572.	9.0	6
66	Regulatable Detection of Antibiotics Based on a Near-IR-Luminescent Tubelike Zn(II)â€“Yb(III) Nanocluster. Inorganic Chemistry, 2022, 61, 1011-1017.	4.0	6
67	Construction and Luminescence Properties of 4f and d-4f Clusters with Salen-Type Schiff Base Ligands. Structure and Bonding, 2016, , 155-187.	1.0	5
68	Construction of a Nanoâ€•rectangular Zn(<scp>II</scp>)â€•Yb(<scp>III</scp>) Complex with <scp>Nearâ€•Infrared</scp> Luminescent Response towards Metal Ions. Chinese Journal of Chemistry, 2020, 38, 1585-1588.	4.9	5
69	Ratiometric fluorescent detection of dipicolinic acid as an anthrax biomarker based on a high-nuclearity Yb₁₈ nanoring. Dalton Transactions, 2021, 50, 13528-13532.	3.3	5
70	One high-nuclearity Yb(III) nanoring with NIR luminescent sensing towards antibiotics and explosives. Journal of Luminescence, 2022, 241, 118494.	3.1	5
71	Triangular Cd(II)â€“Sm(III) Schiff Base Complex with Dual Visible and Near-Infrared Luminescent Responses to Nitro Explosives. Journal of Physical Chemistry A, 2021, 125, 251-257.	2.5	5
72	Construction of a crystalline 14-metal Znâ€“Nd rectangular nanocluster with a dual-emissive response towards metal ions. RSC Advances, 2019, 9, 40017-40022.	3.6	4

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73	Construction of NIR luminescent nanoscale lanthanide complexes with new flexible Schiff base ligands. Journal of Rare Earths, 2020, 38, 143-147.	4.8	4
74	Construction of an Octanuclear Zn(II)â€Yb(III) Schiff Base Complex for the NIR Luminescent Sensing of Nitrofuran Antibiotics. Chinese Journal of Chemistry, 2021, 39, 2083-2087.	4.9	4
75	Anion Dependent Self-Assembly of Polynuclear Cd-Ln Schiff Base Nanoclusters: NIR Luminescent Sensing of Nitro Explosives. Frontiers in Chemistry, 2019, 7, 139.	3.6	3
76	Construction of a 1-D Sm(<scp>iii</scp>) coordination polymer with a long-chain Schiff base ligand: dual-emissive response to metal ions. Inorganic Chemistry Frontiers, 2020, 7, 464-469.	6.0	3
77	Luminescent Polynuclear Zn- and Cd-Ln Square-Like Nanoclusters With a Flexible Long-Chain Schiff Base Ligand. Frontiers in Chemistry, 2018, 6, 321.	3.6	2
78	One Nanoscale Zn(II)-Nd(III) Complex With Schiff Base Ligand: NIR Luminescent Sensing of Anions and Nitro Explosives. Frontiers in Chemistry, 2020, 8, 536907.	3.6	2
79	Construction of a high-nuclearity Nd(<scp>iii</scp>) nanoring for the NIR luminescent detection of antibiotics. Dalton Transactions, 2021, 50, 5865-5870.	3.3	2
80	Construction of a nanoscale Yb(III) Schiff base complex with NIR luminescence response to anions and nitro explosives. Journal of Luminescence, 2021, 231, 117807.	3.1	2
81	A high-nuclearity Cd(<scp>ii</scp>)â€“Nd(<scp>iii</scp>) nanocage for the rapid ratiometric fluorescent detection of quercetin. CrystEngComm, 2022, 24, 4534-4539.	2.6	2
82	New Complexes of Lanthanides with Unusual Main Group Ligands. ACS Symposium Series, 2005, , 221-236.	0.5	1
83	Visible luminescent Ln₄₂ nanotorus coordination clusters. Journal of Coordination Chemistry, 2021, 74, 92-101.	2.2	1
84	NIR luminescent detection of quercetin based on an octanuclear Zn(<scp>ii</scp>)â€“Nd(<scp>iii</scp>) salen nanocluster. RSC Advances, 2021, 11, 35893-35897.	3.6	1
85	Construction of a Cd₈Tb₄ nanoring for luminescence response to 2,6-dipicolinic acid as an anthrax biomarker. CrystEngComm, 2022, 24, 4361-4365.	2.6	1
86	A NIR luminescent â€œtetra-deckerâ€•Nd(III) salen nanocluster for rapid ratiometric fluorescence detection of quercetin. Journal of Luminescence, 2022, 250, 119067.	3.1	0