

Jin-Sheng Liao

List of Publications by Year in descending order

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67
papers

2,165
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196777

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44
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all docs

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	A multidentate polymer microreactor route for green mass fabrication of mesoporous NaYF ₄ clusters. <i>Chemical Communications</i> , 2022, 58, 1764-1767.	2.2	1
2	Sol-gel synthesis and optical temperature sensing properties of PbTiO ₃ :Yb ³⁺ /Er ³⁺ phosphors. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 162, 110515.	1.9	6
3	Thermally boosted upconversion and downshifting luminescence in Sc ₂ (MoO ₄) ₃ :Yb/Er with two-dimensional negative thermal expansion. <i>Nature Communications</i> , 2022, 13, 2090.	5.8	99
4	Multifunctional ZnII–LnIII (Ln = Tb, Dy) complexes based on the amine-phenol ligand with field-induced slow magnetic relaxation, luminescence, and proton conduction. <i>New Journal of Chemistry</i> , 2021, 45, 3392-3399.	1.4	3
5	(Gd _{1-x} Tbx) ₃ (Al _{1-y} Gay) ₅ O ₁₂ green phosphors with high quantum yield and low thermal quenching via modulation the Ga ³⁺ admixture. <i>Journal of Luminescence</i> , 2021, 236, 118066.	1.5	8
6	Narrow-band far red-emitting double-perovskite SrGd ₂ Al ₂ O ₇ :Mn ⁴⁺ phosphors. <i>Optical Materials</i> , 2021, 118, 111219.	1.7	14
7	NaLaMgWO ₆ :Mn ⁴⁺ /Pr ³⁺ /Bi ³⁺ bifunctional phosphors for optical thermometer and plant growth illumination matching phytochrome P and P. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 259, 119915.	2.0	18
8	Luminescence properties and energy transfer mechanism of La ₂ ZnTiO ₆ :Mn ⁴⁺ /Er ³⁺ far-red/green dual-emitting phosphors for plant lighting. <i>Journal of Solid State Chemistry</i> , 2021, 303, 122470.	1.4	2
9	Europium (III) doped LiNa ₂ B ₅ P ₂ O ₁₄ phosphor: Surface analysis, DFT calculations and luminescent properties. <i>Journal of Alloys and Compounds</i> , 2020, 822, 153606.	2.8	32
10	Dual-mode optical temperature sensing behavior of double-perovskite CaGdMgSbO ₆ :Mn ⁴⁺ /Sm ³⁺ phosphors. <i>Journal of Luminescence</i> , 2020, 226, 117492.	1.5	52
11	Synthesis and luminescence properties of a novel double-perovskite Ca ₂ ScTaO ₆ :Mn ⁴⁺ far-red phosphor used for plant growth lighting. <i>Optical Materials</i> , 2020, 109, 110274.	1.7	23
12	Family of Chiral Zn ^{II} –Ln ^{III} (Ln = Dy and Tb) Heterometallic Complexes Derived from the Amine–Phenol Ligand Showing Multifunctional Properties. <i>Inorganic Chemistry</i> , 2020, 59, 2811-2824.	1.9	50
13	Tunable upconversion luminescence and optical temperature sensing based on non-thermal coupled levels of Lu ₃ NbO ₇ :Yb ³⁺ /Ho ³⁺ phosphors. <i>Optical Materials</i> , 2019, 98, 109452.	1.7	60
14	Tb ^{III} /3d–Tb ^{III} clusters derived from a 1,4,7-triazacyclononane-based hexadentate ligand with field-induced slow magnetic relaxation and oxygen-sensitive luminescence. <i>New Journal of Chemistry</i> , 2019, 43, 4067-4074.	1.4	15
15	Multiwavelength near infrared downshift and downconversion emission of Tm ³⁺ in double perovskite Y ₂ MgTiO ₆ :Mn ⁴⁺ /Tm ³⁺ phosphors via resonance energy transfer. <i>Journal of Luminescence</i> , 2019, 213, 356-363.	1.5	17
16	Microstructure and luminescence properties of a Ce ³⁺ -doped Lu ₃ Al ₅ O ₁₂ /Al ₂ O ₃ eutectic grown by the micropulling down method. <i>Journal of Alloys and Compounds</i> , 2019, 794, 144-152.	2.8	7
17	Heterobimetallic copper(II) complexes bearing both 1,1'-bis(diphenylphosphino)ferrocene and functionalized 3-(2-pyridyl)-1,2,4-triazole. <i>New Journal of Chemistry</i> , 2019, 43, 4261-4271.	1.4	12
18	Electrochemical sensor based on a nanocomposite prepared from TmPO ₄ and graphene oxide for simultaneous voltammetric detection of ascorbic acid, dopamine and uric acid. <i>Mikrochimica Acta</i> , 2019, 186, 189.	2.5	72

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19	Sol-Gel Synthesis and Optical Temperature Sensing Behavior of Double-Perovskite Gd ₂ ZnTiO ₆ :Yb ³⁺ /Er ³⁺ Phosphors. <i>ECS Journal of Solid State Science and Technology</i> , 2019, 8, R149-R156.	0.9	6
20	Two Gd(III) complexes with different structures and magnetocaloric properties induced by metal ion sources. <i>New Journal of Chemistry</i> , 2019, 43, 18445-18450.	1.4	19
21	Luminescence properties of a non-rare-earth doped oxyfluoride LiAl ₄ O ₆ F:Mn ⁴⁺ red phosphor for solid-state lighting. <i>Journal of Alloys and Compounds</i> , 2019, 772, 499-506.	2.8	49
22	Effect of Yb ³⁺ concentration on tunable upconversion luminescence and optically temperature sensing behavior in Gd ₂ TiO ₅ :Yb ³⁺ /Er ³⁺ phosphors. <i>Optical Materials</i> , 2018, 75, 841-849.	1.7	45
23	Sol-gel preparation and near-infrared emission properties of Yb ³⁺ sensitized by Mn ⁴⁺ in double-perovskite La ₂ ZnTiO ₆ . <i>Optical Materials</i> , 2018, 84, 82-88.	1.7	20
24	Microwave hydrothermal synthesis and temperature sensing behavior of Lu ₂ Ti ₂ O ₇ :Yb ³⁺ /Er ³⁺ nanophosphors. <i>Current Applied Physics</i> , 2017, 17, 427-432.	1.1	9
25	Mononuclear Dy(III) complex based on bipyridyl-tetrazolate ligand with field-induced single-ion magnet behavior and luminescent properties. <i>Inorganic Chemistry Communication</i> , 2017, 79, 41-45.	1.8	10
26	Microwave hydrothermal method and photoluminescence properties of Gd ₂ Sn ₂ O ₇ :Eu ³⁺ reddish orange phosphors. <i>Journal of Luminescence</i> , 2017, 183, 377-382.	1.5	18
27	Temperature- and vapor-induced reversible single-crystal-to-single-crystal transformations of three 2D/3D Gd ^{III} -organic frameworks exhibiting significant magnetocaloric effects. <i>Dalton Transactions</i> , 2017, 46, 64-70.	1.6	119
28	3d-4f heterometallic trinuclear complexes derived from amine-phenol tripodal ligands exhibiting magnetic and luminescent properties. <i>Dalton Transactions</i> , 2017, 46, 1153-1162.	1.6	69
29	PrFeO ₃ -MoS ₂ nanosheets for use in enhanced electro-oxidative sensing of nitrite. <i>Mikrochimica Acta</i> , 2017, 184, 4141-4149.	2.5	29
30	First observation of mutual energy transfer of Mn ⁴⁺ →Er ³⁺ via different excitation in Gd ₂ ZnTiO ₆ :Mn ⁴⁺ /Er ³⁺ phosphors. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9098-9105.	2.7	57
31	Three Gd-Based Metal-Organic Frameworks Constructed from Similar Dicarboxylate Ligands with Large Magnetic Entropy Changes. <i>ChemistrySelect</i> , 2017, 2, 10673-10677.	0.7	25
32	Microwave hydrothermal synthesis and upconversion luminescence properties of Yb ³⁺ /Tm ³⁺ . <i>Bulletin of Materials Science</i> , 2017, 40, 1447-1453.	0.8	4
33	Large magnetic entropy changes in three Gd ^{III} coordination polymers containing Gd ^{III} chains. <i>New Journal of Chemistry</i> , 2017, 41, 8598-8603.	1.4	62
34	Two di- and trinuclear Gd(III) clusters derived from monocarboxylates exhibiting significant magnetic entropy changes. <i>Polyhedron</i> , 2017, 121, 180-184.	1.0	22
35	Structural phase transitions, dielectric bistability and luminescence of two bulky ion-pair crystals [N(C ₃ H ₇) ₄] ₂ [Ln(NO ₃) ₅] (Ln =) Tj EIQq1 1 0.784314	1.0	4314
36	Co-precipitation synthesis and luminescence properties of K ₂ TiF ₆ :Mn ⁴⁺ red phosphors for warm white light-emitting diodes. <i>Luminescence</i> , 2016, 31, 802-807.	1.5	31

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37	Synthesis and photoluminescence properties of Ba ₃ Al ₂ O ₆ :Eu ³⁺ red phosphor. <i>Journal of Materials Science</i> , 2016, 51, 5403-5411.	1.7	20
38	Synthesis, structures and magnetocaloric properties of two dinuclear Gd ^{III} clusters derived from monocarboxylate ligands. <i>Polyhedron</i> , 2016, 113, 96-101.	1.0	37
39	Tricarboxylate-based Gd ^{III} coordination polymers exhibiting large magnetocaloric effects. <i>Dalton Transactions</i> , 2016, 45, 9209-9215.	1.6	106
40	Single red upconversion and near-infrared downconversion luminescence properties of cubic ZrO ₂ :Y ³⁺ +Yb ³⁺ +Er ³⁺ nanophosphors via microwave hydrothermal synthesis. <i>Optical Materials</i> , 2016, 62, 479-484.	1.7	17
41	NaGd(WO ₄) ₂ :Yb ³⁺ /Er ³⁺ phosphors: hydrothermal synthesis, optical spectroscopy and green upconverted temperature sensing behavior. <i>RSC Advances</i> , 2016, 6, 35152-35159.	1.7	44
42	Co-precipitation synthesis and upconversion luminescence properties of ZrO ₂ :Yb ³⁺ +Ho ³⁺ . <i>Bulletin of Materials Science</i> , 2015, 38, 1875-1879.	0.8	4
43	Homochiral luminescent lanthanide dinuclear complexes derived from a chiral carboxylate. <i>RSC Advances</i> , 2015, 5, 98097-98104.	1.7	7
44	Two Gd ^{III} complexes derived from dicarboxylate ligands as cryogenic magnetorefrigerants. <i>New Journal of Chemistry</i> , 2015, 39, 6970-6975.	1.4	52
45	Three-dimensional two-fold interpenetrated Cr ^{III} –Gd ^{III} heterometallic framework as an attractive cryogenic magnetorefrigerant. <i>CrystEngComm</i> , 2015, 17, 7270-7275.	1.3	68
46	Luminescence properties of ZrW ₂ O ₈ :Eu ³⁺ nanophosphors for white light emitting diodes. <i>Materials Research Bulletin</i> , 2015, 70, 7-12.	2.7	14
47	Preparation and luminescence properties of phosphors of rare earth complexes based on polyoxotungstates. <i>Materials Research Bulletin</i> , 2015, 68, 16-21.	2.7	8
48	The fluorescence properties of Yb ³⁺ and Er ³⁺ Co-doped YAl ₃ (BO ₃) ₄ powders prepared by sol-gel method. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2014, 116, 62-67.	0.2	3
49	Efficient near-infrared emission in Eu ³⁺ +Yb ³⁺ +Y ³⁺ tri-doped cubic ZrO ₂ via down-conversion for silicon solar cells. <i>Physica B: Condensed Matter</i> , 2014, 436, 59-63.	1.3	15
50	Yb ³⁺ concentration dependence of upconversion luminescence in Y ₂ Sn ₂ O ₇ :Yb ³⁺ /Er ³⁺ nanophosphors. <i>Journal of Materials Science</i> , 2014, 49, 6081-6086.	1.7	31
51	Charge compensation on the luminescence properties of ZnWO ₄ :Tb ³⁺ phosphors via hydrothermal synthesis. <i>Optik</i> , 2013, 124, 5057-5060.	1.4	13
52	Hydrothermal synthesis and photoluminescence of NaGd(MoO ₄) ₂ :Tb ³⁺ novel green phosphor. <i>Optik</i> , 2013, 124, 1362-1365.	1.4	28
53	Yb ³⁺ and Er ³⁺ co-doped Y ₂ Ce ₂ O ₇ nanoparticles: synthesis and spectroscopic properties. <i>Bulletin of Materials Science</i> , 2013, 36, 1147-1151.	0.8	3
54	Sol-gel preparation and photoluminescence properties of tetragonal ZrO ₂ :Y ³⁺ , Eu ³⁺ nanophosphors. <i>Optical Materials</i> , 2012, 35, 274-279.	1.7	49

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55	Hydrothermal preparation and luminescence property of $MWO_4:Sm^{3+}$ (M = Ca, Sr, Ba) red phosphors. <i>Optik</i> , 2012, 123, 901-905.	1.4	49
56	Sol-gel preparation and photoluminescence properties of $LiLa(MoO_4)_2:Eu^{3+}$ phosphors. <i>Optical Materials</i> , 2012, 34, 1468-1472.	1.7	40
57	Synthesis and luminescence properties of $BaWO_4:Pr^{3+}$ microcrystal. <i>Journal of Rare Earths</i> , 2011, 29, 623-627.	2.5	17
58	Luminescence properties of monodispersed spherical $BaWO_4:Eu^{3+}$ microphosphors for white light-emitting diodes. <i>Journal of Materials Science</i> , 2011, 46, 1184-1189.	1.7	37
59	Synthesis and characterization of mono- and dinuclear copper(I) complexes with 3-(2-pyrimidinyl)-1,2,4-triazine. <i>Transition Metal Chemistry</i> , 2011, 36, 379-385.	0.7	14
60	Energy transfer and luminescence properties of Eu^{3+} -doped $NaTb(WO_4)_2$ phosphor prepared by a facile hydrothermal method. <i>Optical Materials</i> , 2011, 33, 953-957.	1.7	24
61	Photoluminescence properties of $NaGd(MoO_4)_2:Eu^{3+}$ nanophosphors prepared by sol-gel method. <i>Materials Research Bulletin</i> , 2010, 45, 1145-1149.	2.7	44
62	Synthesis and optimum luminescence of monodispersed spheres for $BaWO_4$ -based green phosphors with doping of Tb^{3+} . <i>Journal of Luminescence</i> , 2010, 130, 762-766.	1.5	29
63	Photoluminescence properties of $La_{2-x}Eu_x(WO_4)_3$ red phosphor prepared by hydrothermal method. <i>Physica B: Condensed Matter</i> , 2010, 405, 3507-3511.	1.3	12
64	Hydrothermal synthesis and photoluminescence of $SrWO_4:Tb^{3+}$ novel green phosphor. <i>Materials Research Bulletin</i> , 2009, 44, 1863-1866.	2.7	50
65	Synthesis and luminescence properties of $Tb^{3+}:NaGd(WO_4)_2$ novel green phosphors. <i>Journal of Luminescence</i> , 2009, 129, 668-671.	1.5	87
66	Photoluminescence green in microspheres of $CaWO_4:Tb^{3+}$ processed in conventional hydrothermal. <i>Optical Materials</i> , 2009, 31, 1513-1516.	1.7	53
67	Synthesis process and luminescence properties of Tm^{3+} in AWO_4 (A=Ca, Sr, Ba) blue phosphors. <i>Journal of Alloys and Compounds</i> , 2009, 487, 758-762.	2.8	89