

Xiao-Jun Wang

List of Publications by Year in descending order

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243
papers

11,510
citations

24978

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246
all docs

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docs citations

246
times ranked

7517
citing authors

#	ARTICLE	IF	CITATIONS
1	A highly efficient and suitable spectral profile Cr ³⁺ -doped garnet near-infrared emitting phosphor for regulating photomorphogenesis of plants. <i>Chemical Engineering Journal</i> , 2022, 428, 132003.	6.6	118
2	High-activity daisy-like zeolitic imidazolate framework-67/reduced graphene oxide-based colorimetric biosensor for sensitive detection of hydrogen peroxide. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 3069-3078.	5.0	23
3	Spectrally tunable and thermally stable near-infrared luminescence in Na ₃ Sc ₂ (PO ₄) ₃ :Cr ³⁺ phosphors by Ga ³⁺ co-doping for light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2022, 10, 994-1002.	2.7	27
4	Near-Infrared-to-Near-Infrared Optical Thermometer BaY ₂ O ₄ :Yb ³⁺ /Nd ³⁺ Assembled with Photothermal Conversion Performance. <i>Inorganic Chemistry</i> , 2022, 61, 5425-5432.	1.9	45
5	Sunlight stimulated solar-blind ultraviolet phosphor. <i>Physical Review Research</i> , 2022, 4, .	1.3	4
6	Photoluminescent CdTe Quantum Dot-Polynitroxylated Albumin Composites for Glutathione Detection. <i>ACS Applied Nano Materials</i> , 2022, 5, 4677-4687.	2.4	6
7	Converting wastes to resource: Utilization of dewatered municipal sludge for calcium-based biochar adsorbent preparation and land application as a fertilizer. <i>Chemosphere</i> , 2022, 298, 134302.	4.2	10
8	Blue LED-pumped intense short-wave infrared luminescence based on Cr ³⁺ -Yb ³⁺ -co-doped phosphors. <i>Light: Science and Applications</i> , 2022, 11, 136.	7.7	110
9	Thermally enhanced near-infrared luminescence in CaSc ₂ O ₄ :Yb ³⁺ /Nd ³⁺ nanorods for temperature sensing and photothermal conversion. <i>Ceramics International</i> , 2022, 48, 23436-23443.	2.3	6
10	Ultraviolet glow of Lu ₃ Ga ₅ O ₁₂ :Bi ³⁺ phosphor in indoor lighting. <i>Journal of Luminescence</i> , 2022, 248, 118932.	1.5	8
11	Conceptual Ultraviolet Light Source Based on Up-Conversion Luminescence. <i>Advanced Photonics Research</i> , 2022, 3, .	1.7	5
12	Design of a bi-functional NaScF ₄ :Yb ³⁺ /Er ³⁺ nanoparticles for deep-tissue bioimaging and optical thermometry through Mn ²⁺ doping. <i>Talanta</i> , 2021, 224, 121832.	2.9	28
13	Effect of hydraulic retention time on effluent pH in anammox bioreactors: Characteristics of effluent pH and pH as an indicator of reactor performance. <i>Journal of Environmental Management</i> , 2021, 280, 111716.	3.8	16
14	Upconversion nanoparticles modified by Cu ₂ S for photothermal therapy along with real-time optical thermometry. <i>Nanoscale</i> , 2021, 13, 7161-7168.	2.8	66
15	Multipath optical thermometry realized in CaSc ₂ O ₄ :Yb ³⁺ /Er ³⁺ with high sensitivity and superior resolution. <i>Journal of the American Ceramic Society</i> , 2021, 104, 2711-2720.	1.9	10
16	Effect of detrapping on up-conversion charging in LaMgGa ₁₁ O ₁₉ :Pr ³⁺ persistent phosphor. <i>Journal of Rare Earths</i> , 2021, 39, 1492-1496.	2.5	13
17	Emission from Storage Phosphors That Glow Even in Bright Ambient Light. <i>Physical Review Applied</i> , 2021, 15, .	1.5	11
18	Ultrasensitive optical thermometer based on abnormal thermal quenching Stark transitions operating beyond 1500 nm. <i>Journal of the American Ceramic Society</i> , 2021, 104, 5784-5793.	1.9	10

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19	Broadband Short-Wave Infrared Light-Emitting Diodes Based on Cr ³⁺ -Doped LiScGeO ₄ Phosphor. ACS Applied Materials & Interfaces, 2021, 13, 36011-36019.	4.0	93
20	The benefits of autotrophic nitrogen removal from high concentration of urea wastewater through a process of urea hydrolysis and partial nitritation in sequencing batch reactor. Journal of Environmental Management, 2021, 292, 112762.	3.8	12
21	Composition-driven anionic disorder-order transformations triggered single-Eu ²⁺ -converted high-color-rendering white-light phosphors. Chemical Engineering Journal, 2020, 380, 122508.	6.6	38
22	Tuning of Emission by Eu ³⁺ Concentration in a Pyrophosphate: the Effect of Local Symmetry. Inorganic Chemistry, 2020, 59, 2241-2247.	1.9	78
23	Single-Crystal Red Phosphors: Enhanced Optical Efficiency and Improved Chemical Stability for wLEDs. Advanced Optical Materials, 2020, 8, 1901512.	3.6	36
24	Nitrite accumulation stability evaluation for low-strength ammonium wastewater by adsorption and biological desorption of zeolite under different operational temperature. Science of the Total Environment, 2020, 704, 135260.	3.9	28
25	Digestive Ripening-Mediated Growth of NaYbF ₄ :Tm@NaYF ₄ Core-Shell Nanoparticles for Bioimaging. ACS Applied Nano Materials, 2020, 3, 10049-10056.	2.4	7
26	Multicolor emission leading by energy transfer between Dy ³⁺ and Eu ³⁺ in wolframite InNbTiO ₆ . Journal of Luminescence, 2020, 227, 117578.	1.5	11
27	Deep-Tissue Temperature Sensing Realized in BaY ₂ O ₄ :Yb ³⁺ /Er ³⁺ with Ultrahigh Sensitivity and Extremely Intense Red Upconversion Luminescence. Inorganic Chemistry, 2020, 59, 11054-11060.	1.9	85
28	Optical thermometry based on the thermally coupled energy levels of Er ³⁺ in upconversion materials. Dalton Transactions, 2020, 49, 17115-17120.	1.6	57
29	Strategies to approach high performance in Cr ³⁺ -doped phosphors for high-power NIR-LED light sources. Light: Science and Applications, 2020, 9, 86.	7.7	432
30	Charging Gd ₃ Ga ₅ O ₁₂ :Pr ³⁺ persistent phosphor using blue lasers. Journal of Luminescence, 2020, 226, 117427.	1.5	19
31	Performance and mechanism of urea hydrolysis in partial nitritation system based on SBR. Chemosphere, 2020, 258, 127228.	4.2	14
32	Zeolite biofilm aeration filter plays a pre-nitritation role in autotrophic nitrogen removal from iron oxide red wastewater. Journal of Chemical Technology and Biotechnology, 2020, 95, 3261-3269.	1.6	3
33	Partial nitritation performance and microbial community in sequencing batch biofilm reactor filled with zeolite under organics oppression and its recovery strategy. Bioresource Technology, 2020, 305, 123031.	4.8	23
34	<p>Nitroxide-Modified Protein-Incorporated Nanoflowers with Dual Enzyme-Like Activities</p>. International Journal of Nanomedicine, 2020, Volume 15, 263-273.	3.3	4
35	Efficient and stable Sr ₃ Eu ₂ B ₄ O ₁₂ red phosphor benefiting from low symmetry and distorted local environment. Dalton Transactions, 2020, 49, 3260-3271.	1.6	36
36	The Non-Concentration-Quenching Phosphor Ca ₃ Eu ₂ B ₄ O ₁₂ for WLED Application. Inorganic Chemistry, 2020, 59, 3894-3904.	1.9	118

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37	Manipulating trap filling of persistent phosphors upon illumination by using a blue light-emitting diode. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6988-6992.	2.7	18
38	Persistent Emission of Narrowband Ultraviolet-B Light upon Blue-Light Illumination. <i>Physical Review Applied</i> , 2020, 13, .	1.5	40
39	White-light flashlight activated up-conversion luminescence for ultraviolet-B tagging. <i>Optics Letters</i> , 2020, 45, 2720.	1.7	8
40	Ultraviolet-B persistent luminescence and thermoluminescence of bismuth ion doped garnet phosphors. <i>Optical Materials Express</i> , 2020, 10, 1296.	1.6	30
41	Structure and luminescent properties of new Dy ³⁺ /Eu ³⁺ /Sm ³⁺ -activated InNbTiO ₆ phosphors for white UV-LEDs. <i>Optical Materials</i> , 2019, 98, 109403.	1.7	20
42	Pilot study of nitrogen removal from landfill leachate by stable nitrification-denitrification based on zeolite biological aerated filter. <i>Waste Management</i> , 2019, 100, 161-170.	3.7	22
43	Nitrogen removal from iron oxide red wastewater via partial nitrification-Anammox based on two-stage zeolite biological aerated filter. <i>Bioresource Technology</i> , 2019, 279, 17-24.	4.8	25
44	Recent developments in luminescent nanoparticles for plant imaging and photosynthesis. <i>Journal of Rare Earths</i> , 2019, 37, 903-915.	2.5	44
45	Enhanced absorption of Sr ₃ Lu ₂ (BO ₃) ₄ :Ce ³⁺ , Tb ³⁺ phosphor with energy transfer for UV-pumped white LEDs. <i>Journal of Alloys and Compounds</i> , 2019, 789, 215-220.	2.8	6
46	Improving moisture stability of SrLiAl ₃ N ₄ :Eu ²⁺ through phosphor-in-glass approach to realize its application in plant growing LED device. <i>Journal of Colloid and Interface Science</i> , 2019, 545, 195-199.	5.0	24
47	Salt inhibition on partial nitrification performance of ammonium-rich saline wastewater in the zeolite biological aerated filter. <i>Bioresource Technology</i> , 2019, 280, 287-294.	4.8	28
48	Highly efficient and dual broad emitting light convertor: an option for next-generation plant growth LEDs. <i>Journal of Materials Chemistry C</i> , 2019, 7, 3617-3622.	2.7	35
49	Design of Coil Winding Insulation Voltage Testing and Corona Signal Extraction System. , 2019, , .		1
50	Response of nitrification performance and microbial community structure in sequencing biofilm batch reactors filled with different zeolite and alkalinity ratio. <i>Bioresource Technology</i> , 2019, 273, 487-495.	4.8	31
51	Red Phosphor Rb ₂ NbOF ₅ :Mn ⁴⁺ for Warm White Light-Emitting Diodes with a High Color-Rendering Index. <i>Inorganic Chemistry</i> , 2019, 58, 456-461.	1.9	60
52	Enhanced luminescence performance of CaO:Ce ³⁺ , Li ⁺ , F ⁻ phosphor and its phosphor-in-glass based high-power warm LED properties. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4077-4086.	2.7	24
53	High sensitivity glucose detection at extremely low concentrations using a MoS ₂ -based field-effect transistor. <i>RSC Advances</i> , 2018, 8, 7942-7948.	1.7	75
54	Site Occupancy and UV-Vis Photoluminescence of the Lanthanide Ions in BaY ₂ Si ₃ O ₁₀ . <i>Journal of Physical Chemistry C</i> , 2018, 122, 7421-7431.	1.5	17

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55	A Raman spectroscopy study on the effects of intermolecular hydrogen bonding on water molecules absorbed by borosilicate glass surface. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 196, 317-322.	2.0	21
56	An improved stochastic fractal search algorithm for 3D protein structure prediction. <i>Journal of Molecular Modeling</i> , 2018, 24, 125.	0.8	13
57	Gaussian Process Regression and Bayesian Inference Based Operating Performance Assessment for Multiphase Batch Processes. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 7232-7244.	1.8	9
58	Enhanced Biological Photosynthetic Efficiency Using Light Harvesting Engineering with Dual Emissive Carbon Dots. <i>Advanced Functional Materials</i> , 2018, 28, 1804004.	7.8	189
59	Nitrogen removal via nitrification pathway for low-strength ammonium wastewater by adsorption, biological desorption and denitrification. <i>Bioresource Technology</i> , 2018, 267, 541-549.	4.8	46
60	A new up-conversion charging concept for effectively charging persistent phosphors using low-energy visible-light laser diodes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 8003-8010.	2.7	46
61	Light-induced electrons suppressed by Eu^{3+} ions doped in $\text{Ca}_{11.94}\text{SrAl}_{14}\text{O}_{33}$ caged phosphors for LED and FEDs. <i>Journal of the American Ceramic Society</i> , 2017, 100, 3467-3477.	1.9	19
62	Partial nitrification performance and mechanism of zeolite biological aerated filter for ammonium wastewater treatment. <i>Bioresource Technology</i> , 2017, 241, 473-481.	4.8	80
63	Temperature sensing and bio-imaging applications based on polyethylenimine/CaF ₂ nanoparticles with upconversion fluorescence. <i>Talanta</i> , 2017, 169, 181-188.	2.9	34
64	Improvement of X-ray storage properties of C12A7:Tb ³⁺ photo-stimulable phosphors through controlling encaged anions. <i>Journal of Alloys and Compounds</i> , 2017, 696, 828-835.	2.8	17
65	Intense red up-conversion luminescence and dynamical processes observed in $\text{Sc}_2\text{O}_3:\text{Yb}^{3+},\text{Er}^{3+}$ nanostructures. <i>Dalton Transactions</i> , 2017, 46, 15954-15960.	1.6	8
66	Solving probability reasoning based on DNA strand displacement and probability modules. <i>Computational Biology and Chemistry</i> , 2017, 71, 274-279.	1.1	10
67	Finite-Time Composite Position Control for a Disturbed Pneumatic Servo System. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-10.	0.6	3
68	$\text{Ca}_{1-x}\text{Li}_x\text{Al}_3\text{Si}_{1+x}\text{N}_3:\text{Eu}^{2+}$ solid solutions as broadband, color-tunable and thermally robust red phosphors for superior color rendition white light-emitting diodes. <i>Light: Science and Applications</i> , 2016, 5, e16155-e16155.	7.7	186
69	Forced oscillations with linear and nonlinear damping. <i>American Journal of Physics</i> , 2016, 84, 32-37.	0.3	11
70	New function of the Yb ³⁺ ion as an efficient emitter of persistent luminescence in the short-wave infrared. <i>Light: Science and Applications</i> , 2016, 5, e16124-e16124.	7.7	185
71	Investigation into optical heating and applicability of the thermal sensor bifunctional properties of Yb^{3+} sensitized Tm^{3+} doped Y_2O_3 , YAG and LaAlO_3 phosphors. <i>RSC Advances</i> , 2016, 6, 97676-97683.	1.7	28
72	Partial nitrification and denitrification of mature landfill leachate using a pilot-scale continuous activated sludge process at low dissolved oxygen. <i>Bioresource Technology</i> , 2016, 218, 580-588.	4.8	85

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73	Studies on phosphorescence and trapping effects of Mn-doped and undoped zinc germinates. Journal of Luminescence, 2016, 169, 622-626.	1.5	5
74	A single Eu ²⁺ -activated high-color-rendering oxychloride white-light phosphor for white-light-emitting diodes. Light: Science and Applications, 2016, 5, e16024-e16024.	7.7	289
75	A vacuum-annealing strategy for improving near-infrared super long persistent luminescence in Cr ³⁺ doped zinc gallogermanate nanoparticles for bio-imaging. Dalton Transactions, 2016, 45, 1364-1372.	1.6	57
76	Raman spectra of proton order of thin ice film. Journal of Raman Spectroscopy, 2015, 46, 388-391.	1.2	14
77	Terpolymer-based SIPN coating with excellent antifogging and frost-resisting properties. RSC Advances, 2015, 5, 102560-102566.	1.7	35
78	Selectively enhanced red upconversion luminescence and phase/size manipulation via Fe ³⁺ doping in NaYF ₄ :Yb,Er nanocrystals. Nanoscale, 2015, 7, 14752-14759.	2.8	135
79	Long lasting blue phosphorescence and photostimulated luminescence in 12CaO·7Al ₂ O ₃ :Eu thin films grown by pulsed laser deposition. Optical Materials, 2014, 36, 1771-1775.	1.7	9
80	Effect of Boron Nitride (BN) on Luminescent Properties of Y ₃ Al ₅ O ₁₂ :Ce Phosphors and their White Light-Emitting Diode Characteristics. International Journal of Applied Ceramic Technology, 2013, 10, 610-616.	1.1	8
81	One-pot synthesis of high quality CdS nanocrystals by microwave irradiation in an organic phase: a green route for mass production. Journal of Materials Chemistry C, 2013, 1, 4550.	2.7	16
82	Luminescence and energy transfer in Ca ₃ Sc ₂ Si ₃ O ₁₂ :Ce ³⁺ ,Mn ²⁺ white LED phosphors. Journal of Luminescence, 2013, 133, 21-24.	1.5	84
83	A multiphase strategy for realizing green cathodoluminescence in 12CaO·7Al ₂ O ₃ ·CaCeAl ₃ O ₇ :Ce ³⁺ ,Tb ³⁺ conductive phosphor. Dalton Transactions, 2013, 42, 16311.	1.6	21
84	Spectral modulation through controlling anions in nanocaged phosphors. Journal of Materials Chemistry C, 2013, 1, 7896.	2.7	10
85	Color tuning of (K _{1-x} ,Na _x)SrPO ₄ :0.005Eu ²⁺ , γTb ³⁺ blue-emitting phosphors via crystal field modulation and energy transfer. Journal of Materials Chemistry C, 2013, 1, 4570.	2.7	84
86	Homogeneous Precipitation Synthesis and Low Voltage Cathodoluminescence of SnO ₂ :Eu ³⁺ Phosphors for Field Emission Displays. International Journal of Applied Ceramic Technology, 2013, 10, 625-630.	1.1	4
87	New yellow Ba _{0.93} Eu _{0.07} Al ₂ O ₄ phosphor for warm-white light-emitting diodes through single-emitting-center conversion. Light: Science and Applications, 2013, 2, e50-e50.	7.7	355
88	Dual Color Emissions of Sr _{2-x} Ca _x P ₂ O ₇ :Eu ²⁺ , Mn ²⁺ for near UV Excitation. Journal of the Electrochemical Society, 2012, 159, F56-F61.	1.3	9
89	Microwave-assisted synthesis of ZnO·Y ₃ Al ₅ O ₁₂ :Ce ³⁺ composites with enhanced visible light photocatalysis. Journal of Materials Chemistry, 2012, 22, 16293.	6.7	39
90	Blue emission of Sr _{2-x} CaxP ₂ O ₇ :Eu ²⁺ for near UV excitation. Journal of Alloys and Compounds, 2012, 515, 39-43.	2.8	21

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91	Luminescence investigation and thermal stability study of Eu ²⁺ and Eu ²⁺ –Mn ²⁺ codoped (Ba,Sr)Mg ₂ Al ₆ Si ₉ O ₃₀ phosphor. Journal of Alloys and Compounds, 2012, 513, 430-435.	2.8	23
92	Single-phased white-emitting 12CaO·7Al ₂ O ₃ :Ce ³⁺ , Dy ³⁺ phosphors with suitable electrical conductivity for field emission displays. Journal of Materials Chemistry, 2012, 22, 16839.	6.7	58
93	Yellow-emitting (Ca ₂ Lu _{1-x} Ce _x)(ScMg)Si ₃ O ₁₂ phosphor and its application for white LEDs. Materials Research Bulletin, 2012, 47, 1149-1152.	2.7	21
94	Photoluminescence properties of CaO:Ce ³⁺ ,Na ⁺ , a non-garnet yellow-emitting phosphor under blue light excitation. Materials Letters, 2012, 68, 443-445.	1.3	15
95	A new dual-emission phosphor Ca ₄ Si ₂ O ₇ F ₂ :Ce ³⁺ , Mn ²⁺ with energy transfer for near-UV LEDs. Materials Letters, 2012, 77, 45-47.	1.3	24
96	Crystal structure and luminescence properties of Lu ³⁺ and Mg ²⁺ incorporated silicate garnet [Ca _{3-x} (x+0.06)LuxCe _{0.06}](Sc _{2-y} Mgy)Si ₃ O ₁₂ . Journal of Luminescence, 2012, 132, 1257-1260.	1.5	17
97	Spectral tuning and energy transfer in a potential fluorescent lamp phosphor BaMg ₂ Al ₆ Si ₉ O ₃₀ :Eu ²⁺ . Journal of Luminescence, 2012, 132, 2439-2442.	1.5	11
98	Tunable Full-Color Emitting BaMg ₂ Al ₆ Si ₉ O ₃₀ :Eu ²⁺ , Tb ³⁺ , Mn ²⁺ Phosphors Based on Energy Transfer. Inorganic Chemistry, 2011, 50, 7846-7851.	1.9	197
99	Tunable full-color-emitting Ca ₃ Sc ₂ Si ₃ O ₁₂ :Ce ³⁺ , Mn ²⁺ phosphor via charge compensation and energy transfer. Chemical Communications, 2011, 47, 10677.	2.2	225
100	Crystal structure and luminescence properties of (Ca _{2.94-x} Lu _x Ce _{0.06})(Sc _{2-y} Mg _y)Si ₃ O ₁₂ phosphors for white LEDs with excellent colour rendering and high luminous efficiency. Journal Physics D: Applied Physics, 2011, 44, 075402.	1.3	23
101	Generating yellow and red emissions by co-doping Mn ²⁺ to substitute for Ca ²⁺ and Sc ³⁺ sites in Ca ₃ Sc ₂ Si ₃ O ₁₂ :Ce ³⁺ green emitting phosphor for white LED applications. Journal of Materials Chemistry, 2011, 21, 16379.	6.7	100
102	Synthesis and luminescence properties of clew-like CaMoO ₄ :Sm ³⁺ , Eu ³⁺ . Journal of Alloys and Compounds, 2011, 509, L348-L351.	2.8	48
103	Generation of broadband emission by incorporating N ³⁺ into Ca ₃ Sc ₂ Si ₃ O ₁₂ :Ce ³⁺ garnet for high rendering white LEDs. Journal of Materials Chemistry, 2011, 21, 6354.	6.7	94
104	Color control and white light generation of upconversion luminescence by operating dopant concentrations and pump densities in Yb ³⁺ , Er ³⁺ and Tm ³⁺ tri-doped Lu ₂ O ₃ nanocrystals. Journal of Materials Chemistry, 2011, 21, 2895.	6.7	90
105	The Enhanced Low-Voltage Cathodoluminescent Properties of Spherical Y ₂ O ₃ :Eu ³⁺ Phosphors Coated with In ₂ O ₃ and its Application to Field-Emission Displays. International Journal of Applied Ceramic Technology, 2011, 8, 752-758.	1.1	31
106	Dynamical processes of energy transfer in red emitting phosphor CaMoO ₄ :Sm ³⁺ , Eu ³⁺ . Optical Materials, 2011, 33, 1591-1594.	1.7	33
107	Near UV and blue-based LED fabricated with Ca ₈ Zn(SiO ₄) ₄ Cl ₂ :Eu ²⁺ as green-emitting phosphor. Optical Materials, 2011, 34, 261-264.	1.7	11
108	Improved photoluminescence and afterglow in CaTiO ₃ :Pr ³⁺ with addition of nanosized SiO ₂ . Physica B: Condensed Matter, 2011, 406, 3891-3895.	1.3	13

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109	CaSc ₂ O ₄ :Eu ³⁺ : A tunable full-color emitting phosphor for white light emitting diodes. Optical Materials, 2011, 33, 355-358.	1.7	62
110	Ca ₃ Al ₂ (SiO ₄) ₃ ·Cl ₄ :Eu ²⁺ , Mn ²⁺ : A potential phosphor with energy transfer for near-UV pumped white-LEDs. Optical Materials, 2011, 33, 1262-1265.	1.7	16
111	Energy transfer in Y ₃ Al ₅ O ₁₂ :Ce ³⁺ , Pr ³⁺ and CaMoO ₄ :Sm ³⁺ , Eu ³⁺ phosphors. Journal of Luminescence, 2011, 131, 429-432.	1.5	33
112	Characteristic emission in glutaraldehyde polymerized hemoglobin. Journal of Luminescence, 2011, 131, 461-464.	1.5	1
113	Intense green/yellow emission in Ca ₈ Zn(SiO ₄) ₄ Cl ₂ :Eu ²⁺ , Mn ²⁺ through energy transfer for blue-LED lighting. Journal of Luminescence, 2011, 131, 2387-2390.	1.5	12
114	Parameterizing intensity of  overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/"/> $\text{Ca}[\text{sub } 8]\text{Zn}(\text{SiO}[\text{sub } 4])[\text{sub } 4]\text{Cl}[\text{sub } 2]:\text{Eu}[\text{sup } 2+]$ -Activated $\text{Ca}[\text{sub } 8]\text{Zn}(\text{SiO}[\text{sub } 4])[\text{sub } 4]\text{Cl}[\text{sub } 2]:\text{Eu}[\text{sup } 2+]$ Phases for X-Ray and Cathode Ray Tubes. Journal of the Electrochemical Society, 2010, 157, H178.	0.9	5
115	$\text{Eu}[\text{sup } 2+]$ -Activated $\text{Ca}[\text{sub } 8]\text{Zn}(\text{SiO}[\text{sub } 4])[\text{sub } 4]\text{Cl}[\text{sub } 2]:\text{Eu}[\text{sup } 2+]$ Phases for X-Ray and Cathode Ray Tubes. Journal of the Electrochemical Society, 2010, 157, H178.	1.3	13
116	Photoluminescence and energy storage traps in CaTiO ₃ :Pr ³⁺ . Materials Research Bulletin, 2010, 45, 1832-1836.	2.7	25
117	Enhanced phosphorescence in N contained Ba ₂ SiO ₄ :Eu ²⁺ for X-ray and cathode ray tubes. Optical Materials, 2010, 32, 1042-1045.	1.7	22
118	Long-Lasting Phosphorescence in BaSi ₂ O ₂ N ₂ :Eu ²⁺ and Ba ₂ SiO ₄ :Eu ²⁺ Phases for X-Ray and Cathode Ray Tubes. Journal of the Electrochemical Society, 2010, 157, H178.	1.3	14
119	Interionic energy transfer in Y ₃ Al ₅ O ₁₂ :Ce ³⁺ , Pr ³⁺ phosphor. Journal of Applied Physics, 2010, 108, .	1.1	66
120	Calculating line intensities of I^{SO} emission through standard and modified Judd-Ofelt theories in Pr ³⁺ -doped CaAl ₁₂ O ₁₉ and SrAl ₁₂ O ₁₉ . Journal of Physics Condensed Matter, 2010, 22, 155501.	0.7	3
121	Stacking-Dependent Optical Conductivity of Bilayer Graphene. ACS Nano, 2010, 4, 4074-4080.	7.3	145
122	Near infrared long-persistent phosphorescence in La ₃ Ga ₅ GeO ₁₄ :Cr ³⁺ phosphor. Optics Express, 2010, 18, 20215.	1.7	110
123	Enriching red emission of Y ₃ Al ₅ O ₁₂ :Ce ³⁺ by codoping Pr ³⁺ and Cr ³⁺ for improving color rendering of white LEDs. Optics Express, 2010, 18, 25177.	1.7	81
124	Cr ³⁺ -Doped Lanthanum Gallogermanate Phosphors with Long Persistent IR Emission. Electrochemical and Solid-State Letters, 2010, 13, J32.	2.2	67
125	Color tunable phosphorescence in KY ₃ F ₁₀ :Tb ³⁺ for x-ray or cathode-ray tubes. Journal of Applied Physics, 2009, 106, .	1.1	38
126	Effect of retrapping on photostimulated luminescence in SrSiO ₅ :Eu ²⁺ , Dy ³⁺ phosphor. Journal of Applied Physics, 2009, 105, .	1.1	35

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127	Direct calculation of $4f^{3+}$ transition intensities in Nd ³⁺ -doped YPO ₄ system involving explicit effects of $4f^2 5d$ configuration. Journal of Physics Condensed Matter, 2009, 21, 095503.	0.7	0
128	Pr ³⁺ 1S0 ⁺ Cr ³⁺ energy transfer and ESR investigation in Pr ³⁺ and Cr ³⁺ activated SrAl ₁₂ O ₁₉ quantum cutting phosphor. Journal of Luminescence, 2009, 129, 844-849.	1.5	16
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