

Hongbin Liang

List of Publications by Year in descending order

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210
papers

7,031
citations

50170

46
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98622

67
g-index

218
all docs

218
docs citations

218
times ranked

3517
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel red phosphor of Bi ³⁺ , Sm ³⁺ co-activated NaEu(MoO ₄) ₂ . Optical Materials, 2007, 29, 896-900.	1.7	160
2	Luminescence of (Li _{0.333} Na _{0.334} K _{0.333})Eu(MoO ₄) ₂ and its application in near UV InGaN-based light-emitting diode. Chemical Physics Letters, 2005, 412, 313-316.	1.2	154
3	Luminescence investigation of Eu ³⁺ activated double molybdates red phosphors with scheelite structure. Journal of Alloys and Compounds, 2007, 432, 308-312.	2.8	150
4	Development of a potential optical thermometric material through photoluminescence of Pr ³⁺ in La ₂ MgTiO ₆ . Journal of Materials Chemistry C, 2017, 5, 10737-10745.	2.7	128
5	A Potential Red-Emitting Phosphor for LED Solid-State Lighting. Electrochemical and Solid-State Letters, 2005, 8, H33.	2.2	121
6	Photoluminescence of Ce ³⁺ , Pr ³⁺ and Tb ³⁺ activated Sr ₃ Ln(PO ₄) ₃ under VUV-UV excitation. Journal of Solid State Chemistry, 2004, 177, 901-908.	1.4	112
7	Efficient Sensitization of Eu ³⁺ Emission by Tb ³⁺ in Ba ₃ La(PO ₄) ₃ under VUV-UV Excitation: Energy Transfer and Tunable Emission. Journal of Physical Chemistry C, 2012, 116, 15932-15937.	1.5	104
8	Optical properties of Ho ³⁺ -doped novel oxyfluoride glasses. Journal of Luminescence, 2007, 124, 187-194.	1.5	101
9	High Light Yield of Sr ₈ (Si ₄ O ₁₂)Cl ₈ :Eu ²⁺ under X-ray Excitation and Its Temperature-Dependent Luminescence Characteristics. Chemistry of Materials, 2014, 26, 3709-3715.	3.2	100
10	Site Occupancies, Luminescence, and Thermometric Properties of Li ₉ (SiO ₄) ₆ O ₂ :Ce ³⁺ Phosphors. Inorganic Chemistry, 2016, 55, 10415-10424.	1.9	100
11	Energy Transfer and Tunable Luminescence of NaLa(PO ₃) ₄ :Tb ³⁺ /Eu ³⁺ under VUV and Low-Voltage Electron Beam Excitation. Journal of Physical Chemistry C, 2014, 118, 3220-3229.	1.5	96
12	Preparation of divalent rare earth ions in air by aliovalent substitution and spectroscopic properties of Ln ²⁺ . Journal of Alloys and Compounds, 2002, 344, 132-136.	2.8	95
13	Luminescent materials and spectroscopic properties of Dy ³⁺ ion. Journal of Luminescence, 2007, 122-123, 927-930.	1.5	92
14	Multi-site occupancies of Eu ²⁺ in Ca ₆ BaP ₄ O ₁₇ and their potential optical thermometric applications. Chemical Engineering Journal, 2019, 369, 376-385.	6.6	92
15	Zero-thermal Quenching of Mn ²⁺ Red Luminescence via Efficient Energy Transfer from Eu ²⁺ in BaMgP ₂ O ₇ . Advanced Optical Materials, 2019, 7, 1901187.	3.6	89
16	Li ₄ SrCa(SiO ₄) ₂ :Eu ²⁺ : A Potential Temperature Sensor with Unique Optical Thermometric Properties. ACS Applied Materials & Interfaces, 2019, 11, 9691-9695.	4.0	89
17	Temperature and site occupancy of Ce^{3+} in $\text{Ba}_2\text{MgP}_2\text{O}_7$. Journal of Physical Chemistry C, 2012, 116, 15932-15937.		

#	ARTICLE	IF	CITATIONS
19	The Quantum Cutting of Tb ³⁺ in Ca ₆ Ln ₂ Na ₂ (PO ₄) ₆ F ₂ (Ln = Tj, ETQq _{1,1} 0.784314 rgBT / Overlock 10 Tf 50 427) 11317-11324.	1.9	82
20	Near-Infrared Persistent Luminescence in a Cr ³⁺ -Doped Perovskite for Low-Irradiance Imaging. Chemistry of Materials, 2020, 32, 5579-5588.	3.2	76
21	Spectroscopy and Luminescence Dynamics of Ce ³⁺ and Sm ³⁺ in LiYSiO ₄ . Journal of Physical Chemistry C, 2016, 120, 4529-4537.	1.5	75
22	High-performance and moisture-resistant red-emitting Cs ₂ SiF ₆ :Mn ⁴⁺ for high-brightness LED backlighting. Journal of Materials Chemistry C, 2019, 7, 2401-2407.	2.7	74
23	Intense red light emission of Eu ³⁺ -doped LiGd(PO ₃) ₄ for mercury-free lamps and plasma display panels application. Optics Express, 2009, 17, 7138.	1.7	71
24	Structure, composition, morphology, photoluminescence and cathodoluminescence properties of ZnGeN ₂ and ZnGeN ₂ :Mn ²⁺ for field emission displays. Acta Materialia, 2010, 58, 6728-6735.	3.8	70
25	Luminescence of Ce ³⁺ -activated fluoro-apatites M ₅ (PO ₄) ₃ F (M = Ca, Sr, Ba) under VUV and x-ray excitation. Journal of Physics Condensed Matter, 2006, 18, 9549-9560.	0.7	65
26	NaEu _{0.96} Sm _{0.04} (MoO ₄) ₂ as a promising red-emitting phosphor for LED solid-state lighting prepared by the Pechini process. Journal of Luminescence, 2008, 128, 147-154.	1.5	65
27	Vacuum Ultraviolet-Visible Spectroscopic Properties of Tb ³⁺ in Li(Y, Tj) ETQq ₁ 1 0.784314 rgBT / Overlock 10 Tf 50 427 of Physical Chemistry C, 2010, 114, 6770-6777.	1.5	65
28	Concentration-Driven Selectivity of Energy Transfer Channels and Color Tunability in Ba ₃ La(PO ₄) ₃ :Tb ³⁺ , Sm ³⁺ for Warm White LEDs. Inorganic Chemistry, 2017, 56, 7433-7442.	1.9	65
29	A high efficiency blue phosphor BaCa ₂ MgSi ₂ O ₈ :Eu ²⁺ under VUV and UV excitation. Journal of Materials Chemistry C, 2013, 1, 493-499.	2.7	64
30	Bright green-emitting, energy transfer and quantum cutting of Ba ₃ Ln(PO ₄) ₃ : Tb ³⁺ (Ln = La, Gd) under VUV-UV excitation. Optics Express, 2011, 19, 11071.	1.7	63
31	Luminescence properties of NaGd(PO ₃) ₄ :Eu ³⁺ and energy transfer from Gd ³⁺ to Eu ³⁺ . Applied Physics B: Lasers and Optics, 2010, 98, 139-147.	1.1	62
32	Luminescence of Ce ³⁺ at two different sites in $\hat{\Gamma}$ -Sr ₂ P ₂ O ₇ under vacuum ultraviolet-UV and x-ray excitation. Journal of Applied Physics, 2010, 108, .	1.1	60
33	Excitation Wavelength Dependent Luminescence of LuNbO ₄ :Pr ³⁺ Influences of Intervalence Charge Transfer and Host Sensitization. Journal of Physical Chemistry C, 2016, 120, 26044-26053.	1.5	60
34	Intensive emission of Dy ³⁺ in NaGd(PO ₃) ₄ for Hg-free lamps application. Optics Express, 2008, 16, 7508.	1.7	59
35	Photon Cascade Emission of Gd ³⁺ in Na(Y,Gd)FPO ₄ . Journal of Physical Chemistry C, 2008, 112, 12524-12529.	1.5	57
36	Structure Refinement and Two-Center Luminescence of Ca ₃ La ₃ (BO ₃) ₅ :Ce ³⁺ under VUV and UV Excitation. Inorganic Chemistry, 2012, 51, 8802-8809.	1.9	55

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37	Luminescence of NaGdFPO ₄ :Ln ³⁺ after VUV excitation: A comparison with GdPO ₄ :Ln ³⁺ (Ln=Ce, Tb). Journal of Solid State Chemistry, 2006, 179, 1356-1362.	1.4	53
38	Emitting-Color Tunable Phosphors Sr ₃ GaO ₄ F:Ce ³⁺ at Ultraviolet Light and Low-Voltage Electron Beam Excitation. Journal of Physical Chemistry C, 2009, 113, 17194-17199.	1.5	53
39	Host-sensitized luminescence of Dy ³⁺ in LuNbO ₄ under ultraviolet light and low-voltage electron beam excitation: energy transfer and white emission. Journal of Materials Chemistry C, 2017, 5, 9012-9020.	2.7	53
40	Synthesis and photoluminescence properties of a cyan-emitting phosphor Ca ₃ (PO ₄) ₂ :Eu ²⁺ for white light-emitting diodes. Optical Materials, 2015, 39, 173-177.	1.7	51
41	Spectral Properties and Energy Transfer of a Potential Solar Energy Converter. Chemistry of Materials, 2016, 28, 2834-2843.	3.2	50
42	Consequences of ET and MMCT on Luminescence of Ce ³⁺ , Eu ³⁺ , and Tb ³⁺ -doped LiYSiO ₄ . Inorganic Chemistry, 2016, 55, 7777-7786.	1.9	50
43	Enhanced Green Emission of Eu ²⁺ by Energy Transfer from the ⁵ D ₃ Level of Tb ³⁺ in NaCaPO ₄ . Journal of Physical Chemistry C, 2014, 118, 7002-7009.	1.5	49
44	Controllable Synthesis of NaLu(WO ₄) ₂ :Eu ³⁺ Microcrystal and Luminescence Properties for LEDs. Crystal Growth and Design, 2014, 14, 3767-3773.	1.4	49
45	Synthesis, vacuum ultraviolet and near ultraviolet-excited luminescent properties of GdCaAl ₃ O ₇ : RE ³⁺ (RE=Eu, Tb). Journal of Solid State Chemistry, 2005, 178, 3004-3009.	1.4	48
46	Luminescence of Ce ³⁺ in Different Lattice Sites of La ₂ CaB ₁₀ O ₁₉ . Journal of Physical Chemistry C, 2008, 112, 13763-13768.	1.5	47
47	Chromaticity-Tunable Emission of Sr ₃ AlO ₄ F:Ce ³⁺ Phosphor: Correlation with Matrix Structure and Application in LEDs. Journal of the Electrochemical Society, 2010, 157, J159.	1.3	47
48	Luminescence, cathodoluminescence and Ce ³⁺ → Eu ²⁺ energy transfer and emission enhancement in the Sr ₅ (PO ₄) ₃ Cl:Ce ³⁺ ,Eu ²⁺ phosphor. Journal of Materials Chemistry C, 2013, 1, 7155.	2.7	46
49	NaGd(PO ₃) ₄ :Tb ³⁺ – A new promising green phosphor for PDPs application. Chemical Physics Letters, 2008, 453, 192-196.	1.2	44
50	Spectroscopic properties of Ce ³⁺ doped MBPO ₅ (M=Ca, Sr, Ba) under VUV excitation. Materials Chemistry and Physics, 2005, 92, 180-184.	2.0	43
51	Enhanced luminescence of Ba ₃ La(PO ₄) ₃ :Dy ³⁺ by codoping Gd ³⁺ ions and energy transfer between Gd ³⁺ and Dy ³⁺ . Journal of the Optical Society of America B: Optical Physics, 2008, 25, 2057.	0.9	43
52	Luminescence properties of lutetium based red-emitting phosphor NaLu(WO ₄) ₂ :Eu ³⁺ . Optical Materials Express, 2013, 3, 418.	1.6	43
53	VUV-UV Photoluminescence Spectra of Strontium Orthophosphate Doped with Rare Earth Ions. Journal of Solid State Chemistry, 2002, 167, 435-440.	1.4	42
54	Effects of crystal structure on the luminescence properties and energy transfer between Gd ³⁺ and Ce ³⁺ ions in MGd(PO ₃) ₄ :Ce ³⁺ (M = Li, Na, K, Cs). Journal of Materials Chemistry, 2007, 17, 4679.	6.7	42

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55	Luminescence of Eu ³⁺ -activated tetra-molybdate red phosphors and their application in near-UV InGaN-based LEDs. <i>Materials Chemistry and Physics</i> , 2009, 118, 76-80.	2.0	42
56	Luminescent properties of Tb ³⁺ activated double molybdates and tungstates. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2009, 164, 120-123.	1.7	42
57	A potential cyan-emitting phosphor Sr ₈ (Si ₄ O ₁₂)Cl ₈ :Eu ²⁺ for wide color gamut 3D-PDP and 3D-FED. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1305.	2.7	42
58	Site Occupation of Eu ²⁺ in Ba _{2-x} Sr _x Si ₄ O ₁₂ (x = 0-1.9) and Origin of Improved Luminescence Thermal Stability in the Intermediate Composition. <i>Inorganic Chemistry</i> , 2018, 57, 7090-7096.	1.9	42
59	Host Differential Sensitization toward Color/Lifetime-Tuned Lanthanide Coordination Polymers for Optical Multiplexing. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23810-23816.	7.2	42
60	VUV-UV excited luminescent properties of calcium borophosphate doped with rare earth ions. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2003, 98, 213-219.	1.7	41
61	Electronic Properties of Ce ³⁺ -Doped Sr ₃ Al ₂ O ₅ Cl ₂ : A Combined Spectroscopic and Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2015, 119, 6785-6792.	1.5	41
62	Optical properties of Er ³⁺ -singly doped and Er ³⁺ /Yb ³⁺ -codoped novel oxyfluoride glasses. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 2090-2095.	1.5	38
63	Luminescence and site occupancies of Eu ³⁺ in La ₂ CaB ₁₀ O ₁₉ . <i>Dalton Transactions</i> , 2013, 42, 12891.	1.6	38
64	Increased ¹ D ₂ Red Emission of Pr ³⁺ in NaGdTiO ₄ :Pr ³⁺ Due to Temperature-Assisted Host Sensitization and Its Color Variation. <i>Journal of Physical Chemistry C</i> , 2013, 117, 2216-2221.	1.5	37
65	VUV-Vis Luminescent Properties of BaCaBO ₃ F Doped with Ce ³⁺ and Tb ³⁺ . <i>Journal of Physical Chemistry C</i> , 2013, 117, 12769-12777.	1.5	37
66	Synthesis and photoluminescence properties of red-emitting phosphors Ba ₂ Gd ₈ (SiO ₄) ₆ O ₂ :Eu ³⁺ . <i>Materials Letters</i> , 2014, 129, 130-133.	1.3	37
67	The optical spectroscopic properties of rare earth-activated barium orthophosphate in VUV-Vis range. <i>Materials Research Bulletin</i> , 2003, 38, 797-805.	2.7	36
68	Intense Emission of Ca ₅ (PO ₄) ₃ F:Tb ³⁺ under VUV Excitation and Its Potential Application in PDPs. <i>Journal of the Electrochemical Society</i> , 2007, 154, J177.	1.3	36
69	A novel green emitting phosphor Ca _{1.5} Y _{1.5} Al _{3.5} Si _{1.5} O ₁₂ :Tb ³⁺ . <i>Materials Chemistry and Physics</i> , 2006, 100, 372-374.	2.0	35
70	Luminescence of Ce ³⁺ and Pr ³⁺ doped Sr ₂ Mg(BO ₃) ₂ under VUV-UV and X-ray excitation. <i>Journal of Luminescence</i> , 2011, 131, 194-198.	1.5	35
71	Study on the effects of 5d energy locations of Ce ³⁺ ions on NIR quantum cutting process in Y ₂ SiO ₅ : Ce ³⁺ , Yb ³⁺ . <i>Optics Express</i> , 2012, 20, A510.	1.7	35
72	Luminescence and electronic properties of Ba ₂ MgSi ₂ O ₇ :Eu ²⁺ : a combined experimental and hybrid density functional theory study. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8328-8332.	2.7	35

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73	Hole Trapping Process and Highly Sensitive Ratiometric Thermometry over a Wide Temperature Range in Pr ³⁺ -Doped Na ₂ La ₂ Ti ₃ O ₁₀ Layered Perovskite Microcrystals. <i>Journal of Physical Chemistry A</i> , 2019, 123, 4021-4033.	1.1	35
74	Luminescence of Ba ₂ Ca(BO ₃) ₂ ·xCe ³⁺ influence of charge compensator, energy transfer and LED application. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 165409.	1.3	34
75	High luminescent Li ₂ CaSiO ₄ :Eu ²⁺ cyan phosphor film for wide color gamut field emission display. <i>Optics Express</i> , 2012, 20, 17701.	1.7	34
76	Intensive green emission of ZnAl ₂ O ₄ :Mn ²⁺ under vacuum ultraviolet and low-voltage cathode ray excitation. <i>Optics Letters</i> , 2012, 37, 2511.	1.7	33
77	Luminescent properties of novel red-emitting phosphor Na ₃ TaF ₈ with non-equivalent doping of Mn ⁴⁺ for LED backlighting. <i>Journal of Luminescence</i> , 2017, 192, 690-694.	1.5	33
78	The red phosphor NaEu(MoO ₄) ₂ prepared by the combustion method. <i>Materials Letters</i> , 2008, 62, 619-622.	1.3	31
79	Luminescence properties of a novel red emitting phosphor, Mg ₂ GeO ₄ :Sm ³⁺ . <i>Journal of Alloys and Compounds</i> , 2009, 488, 331-333.	2.8	31
80	Host absorption sensitizing and energy transfer to Eu ³⁺ by Gd ³⁺ in Ba ₆ Gd ₂ xNa ₂ Eux(PO ₄) ₆ F ₂ . <i>Journal of Solid State Chemistry</i> , 2013, 201, 18-23.	1.4	31
81	Combined Experimental and ab Initio Study of Site Preference of Ce ³⁺ in SrAl ₂ O ₄ . <i>Journal of Physical Chemistry C</i> , 2015, 119, 19326-19332.	1.5	31
82	Luminescence of Ce ³⁺ -activated chalcogenide apatites Ca ₁₀ (PO ₄) ₆ Y (Y=S, Se). <i>Materials Chemistry and Physics</i> , 2009, 114, 242-246.	2.0	30
83	A novel blue magnesium strontium aluminate-based phosphor for PDP application. <i>Solid State Communications</i> , 2005, 134, 809-813.	0.9	28
84	A novel green emitting phosphor Ca ₂ GeO ₄ :Tb ³⁺ . <i>Materials Research Bulletin</i> , 2006, 41, 867-872.	2.7	28
85	Luminescence of NaGd(PO ₃) ₄ :Ce ³⁺ and its potential application as a scintillator material. <i>Chemical Physics Letters</i> , 2007, 445, 32-36.	1.2	28
86	VUV-vis photoluminescence, X-ray radioluminescence and energy transfer dynamics of Ce ³⁺ and Pr ³⁺ doped LiCaBO ₃ . <i>Journal of Materials Chemistry C</i> , 2015, 3, 9161-9169.	2.7	28
87	Luminescence and Cationic-Size-Driven Site Selection of Eu ³⁺ and Ce ³⁺ Ions in Ca ₈ Mg(SiO ₄) ₄ Cl ₂ . <i>Inorganic Chemistry</i> , 2018, 57, 14872-14881.	1.9	28
88	Sr ₉ R ₂ xW ₄ O ₂₄ (R=Gd and Y) red phosphor for near-UV and blue InGaN-based white LEDs. <i>Solid State Communications</i> , 2009, 149, 880-883.	0.9	27
89	Phase transformation and spectroscopic adjustment of Gd ₂ O ₃ :Eu ³⁺ synthesized by hydrothermal method. <i>Journal of Luminescence</i> , 2014, 152, 172-175.	1.5	27
90	Luminescence of Ce ³⁺ -Doped MB ₂ Si ₂ O ₈ (M = Sr, Ba): A Deeper Insight into the Effects of Electronic Structure and Stokes Shift. <i>Journal of Physical Chemistry C</i> , 2016, 120, 569-580.	1.5	27

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91	Vacuum Referred Binding Energy Scheme, Electron-Vibrational Interaction, and Energy Transfer Dynamics in BaMg ₂ Si ₂ O ₇ :Ln (Ce ³⁺ , Eu ²⁺) Phosphors. Journal of Physical Chemistry C, 2018, 122, 2959-2967.	1.5	27
92	The luminescent properties of Ba ₃ Gd _{1-x} Ln _x (PO ₄) ₃ under synchrotron radiation VUV excitation. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 119, 152-158.	1.7	26
93	Cathodoluminescent properties of SrGa ₂ S ₄ :Eu ²⁺ phosphor for field-emission display applications. Journal of Vacuum Science & Technology B, 2007, 25, 618.	1.3	26
94	Efficient emission-tunable VUV phosphors Na ₂ GdF ₂ PO ₄ :Tb ³⁺ . Optics Express, 2009, 17, 956.	1.7	26
95	Luminescence of Ce ³⁺ activated NaCaPO ₄ under VUV-UV and X-ray excitation. Optical Materials, 2012, 34, 1214-1218.	1.7	26
96	The Effect of Sr ²⁺ on Luminescence of Ce ³⁺ -Doped (Ca,Sr) ₂ Al ₂ SiO ₇ . Inorganic Chemistry, 2017, 56, 12476-12484.	1.9	26
97	Unique Spectral Overlap and Resonant Energy Transfer between Europium(II) and Ytterbium(III) Cations: No Quantum Cutting. Angewandte Chemie - International Edition, 2017, 56, 10357-10361.	7.2	26
98	Optical Properties of Ce-Doped Li ₄ SrCa(SiO ₄) ₂ : A Combined Experimental and Theoretical Study. Inorganic Chemistry, 2018, 57, 1116-1124.	1.9	26
99	The luminescent properties of lanthanide ions activated BaBPO ₅ in VUV-Vis range. Journal of Physics and Chemistry of Solids, 2004, 65, 1071-1076.	1.9	25
100	Green emission of Ca ₃ La ₃ (1-x)Tb ₃ (BO ₃) ₅ under VUV-UV excitation. Applied Physics A: Materials Science and Processing, 2007, 88, 705-709.	1.1	25
101	VUV-vis photoluminescence of GdAl ₃ (BO ₃) ₄ :Eu ³⁺ and energy transfer from Gd ³⁺ to Eu ³⁺ . Materials Chemistry and Physics, 2012, 132, 756-760.	2.0	25
102	First-Principles Study on Site Preference and 4f ⁿ 5d Transitions of Ce ³⁺ in Sr ₃ AlO ₄ F. Journal of Physical Chemistry A, 2014, 118, 986-992.	1.1	25
103	The defect aggregation of RE ³⁺ (RE = Y, La, Lu) in MF ₂ (M = Ca, Sr, Ba) fluorites. Materials Research Bulletin, 2020, 125, 110788.	2.7	25
104	Synthesis and luminescent properties of GdSrAl ₃ O ₇ :Tb ³⁺ phosphor under VUV/UV excitation. Journal of Alloys and Compounds, 2008, 463, 302-305.	2.8	24
105	Luminescence of Ce ³⁺ -doped Sr ₁₀ (PO ₄) ₆ S phosphors. Journal Physics D: Applied Physics, 2009, 42, 105110.	1.3	24
106	Temperature Sensitive Luminescence of Ce ³⁺ in Two Different Sites of Na ₃ LuSi ₂ O ₇ . Journal of the Electrochemical Society, 2012, 159, J43-J47.	1.3	24
107	Luminescence and multi-step energy transfer in GdAl ₃ (BO ₃) ₄ doped with Ce ³⁺ /Tb ³⁺ . Journal of Luminescence, 2015, 161, 257-263.	1.5	24
108	XAFS at Eu ^{L3} edge and UV-VUV excited luminescence of europium doped strontium borophosphate prepared in air. Journal of Physics and Chemistry of Solids, 2002, 63, 719-724.	1.9	23

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109	Vacuum-ultraviolet-vis luminescence of dibarium magnesium orthoborate Ba ₂ Mg(BO ₃) ₂ doped with Ce ³⁺ and Eu ²⁺ ions. Journal of Materials Research, 2006, 21, 864-869.	1.2	23
110	Site occupancy and luminescence properties of Eu ³⁺ in double salt silicate Na ₃ LuSi ₃ O ₉ . Optical Materials Express, 2018, 8, 736.	1.6	23
111	Red-emitting phosphor Rb ₂ TiF ₆ :Mn ⁴⁺ with high thermal-quenching resistance for wide color-gamut white light-emitting diodes. Optical Materials, 2017, 72, 78-85.	1.7	23
112	Synthesis and Luminescence of Ca ₃ Ln ₂ W ₂ O ₁₂ :Eu ³⁺ for NUV-InGaN-Based Red-Emitting LED. Journal of the Electrochemical Society, 2008, 155, H730.	1.3	22
113	Radioluminescence properties of Ce ³⁺ -activated MGd(PO ₃) ₄ (M=Li, Na, K, Cs). Optical Materials, 2009, 32, 378-381.	1.7	22
114	Extended broadband luminescence of dodecahedral multisite Ce ³⁺ ions in garnets {Y ₃ }[MgA](BAlSi)O ₁₂ (A= Sc, Ga, Al; B= Ga, Al). Dyes and Pigments, 2017, 142, 524-529.	2.0	22
115	Photoluminescence and radioluminescence of pure and Ce ³⁺ activated Na ₃ Gd(PO ₄) ₂ . Optical Materials, 2011, 33, 618-622.	1.7	21
116	High color purity red-emission of NaGdTlO ₄ :Pr ³⁺ via quenching of P ₃ emission under low-voltage cathode ray excitation. Optics Letters, 2013, 38, 612.	1.7	21
117	The Influence of Oxygen Vacancies on Luminescence Properties of Na ₃ LuSi ₃ O ₉ :Ce ³⁺ . Journal of Physical Chemistry C, 2016, 120, 18741-18747.	1.5	21
118	The VUV-vis spectroscopic properties of phosphors Ca ₃ Gd ₂ (1-x)Ln _{2x} (BO ₃) ₄ (Ln ³⁺ =Ce, Sm, Eu, Tb). Materials Research Bulletin, 2006, 41, 1468-1475.	2.7	20
119	A novel red phosphor Na ₂ Ca ₄ Mg ₂ Si ₄ O ₁₅ :Eu ³⁺ for plasma display panels. Materials Research Bulletin, 2008, 43, 2295-2299.	2.7	20
120	A novel red phosphor: Ca ₂ GeO ₄ :Eu ³⁺ . Journal of Rare Earths, 2010, 28, 519-522.	2.5	20
121	Yellow-white emission of Ce ³⁺ and Eu ²⁺ doped Li ₂ SrSiO ₄ under low-voltage electron-beam excitation. Optics Express, 2012, 20, 15891.	1.7	20
122	First-Principles Study on Electronic Properties and Optical Spectra of Ce-Doped La ₂ CaB ₁₀ O ₁₉ Crystal. Journal of Physical Chemistry C, 2013, 117, 15241-15246.	1.5	20
123	VUV-vis photoluminescence, low-voltage cathodoluminescence and electron-vibrational interaction of Mn ²⁺ in Ba ₂ MgSi ₂ O ₇ . Optical Materials, 2015, 43, 59-65.	1.7	20
124	Luminescence properties of an orange-red phosphor GdAl ₃ (BO ₃) ₄ :Sm ³⁺ under VUV excitation and energy transfer from Gd ³⁺ to Sm ³⁺ . Optical Materials, 2015, 39, 81-85.	1.7	20
125	Luminescence properties and site occupancy of Ce ³⁺ in Ba ₂ SiO ₄ : a combined experimental and ab initio study. RSC Advances, 2017, 7, 25685-25693.	1.7	20
126	Luminescence and Energy Transfer between Ce ³⁺ and Pr ³⁺ in BaY ₂ Si ₃ O ₁₀ under VUV-vis and X-ray Excitation. Inorganic Chemistry, 2018, 57, 8414-8421.	1.9	20

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127	VUV excited luminescence of europium activated calcium borophosphate prepared in air. <i>Journal of Alloys and Compounds</i> , 2002, 334, 293-298.	2.8	19
128	Enhanced emission of Mn ²⁺ via Ce ³⁺ →Mn ²⁺ energy transfer in Sr ₂ P ₂ O ₇ . <i>Optics Express</i> , 2012, 20, 28969.	1.7	19
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