Jianbei Qiu

List of Publications by Year in descending order

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241 papers	6,252 citations	71102 41 h-index	123424 61 g-index
243 all docs	243 docs citations	243 times ranked	3896 citing authors

#	Article	IF	Citations
1	Highly Efficient and Tunable Emission of Leadâ€Free Manganese Halides toward White Lightâ€Emitting Diode and Xâ€Ray Scintillation Applications. Advanced Functional Materials, 2021, 31, 2009973.	14.9	160
2	Reproducible Xâ€ray Imaging with a Perovskite Nanocrystal Scintillator Embedded in a Transparent Amorphous Network Structure. Advanced Materials, 2021, 33, e2102529.	21.0	140
3	Tunable and White Light Emission of a Single-Phased Ba₂Y(BO₃)₂Cl:Bi³⁺,Eu³⁺ Phosphor by Energy Transfer for Ultraviolet Converted White LEDs. Journal of Physical Chemistry C, 2017, 121, 5267-5276.	3.1	137
4	Highly Resolved and Robust Dynamic Xâ€Ray Imaging Using Perovskite Glassâ€Ceramic Scintillator with Reduced Light Scattering. Advanced Science, 2021, 8, e2003728.	11.2	128
5	Reversible Upconversion Luminescence Modification Based on Photochromism in BaMgSiO₄:Yb³⁺,Tb³⁺ Ceramics for Antiâ€Counterfeiting Applications. Advanced Optical Materials, 2019, 7, 1900213.	7.3	122
6	Sunlight Activated Long-Lasting Luminescence from Ba₅Si₈O₂₁: Eu²⁺,Dy³⁺ Phosphor. Inorganic Chemistry, 2015, 54, 1690-1697.	4.0	118
7	Temperature sensing based on the up-conversion emission of Tm3+ in a single KLuF4 microcrystal. Journal of Alloys and Compounds, 2017, 728, 1037-1042.	5.5	112
8	Phononâ€Assisted Population Inversion in Lanthanideâ€Doped Upconversion Ba₂LaF₇ Nanocrystals in Glassâ€Ceramics. Advanced Materials, 2016, 28, 8045-8050.	21.0	104
9	Achieving long-term zero-thermal-quenching with the assistance of carriers from deep traps. Journal of Materials Chemistry C, 2018, 6, 2978-2982.	5.5	96
10	Ultrastable red-emitting phosphor-in-glass for superior high-power artificial plant growth LEDs. Journal of Materials Chemistry C, 2018, 6, 1738-1745.	5.5	95
11	Reversible 3D optical data storage and information encryption in photo-modulated transparent glass medium. Light: Science and Applications, 2021, 10, 140.	16.6	95
12	Coupling of Ag Nanoparticle with Inverse Opal Photonic Crystals as a Novel Strategy for Upconversion Emission Enhancement of NaYF₄: Yb³⁺, Er³⁺ Nanoparticles. ACS Applied Materials & Interfaces, 2015, 7, 25211-25218.	8.0	88
13	Noâ€Interference Reading for Optical Information Storage and Ultraâ€Multiple Antiâ€Counterfeiting Applications by Designing Targeted Recombination in Charge Carrier Trapping Phosphors. Advanced Optical Materials, 2019, 7, 1900006.	7.3	87
14	Direct Identification of Surface Defects and Their Influence on the Optical Characteristics of Upconversion Nanoparticles. ACS Nano, 2018, 12, 3623-3628.	14.6	86
15	Photoluminescence properties of tellurite glasses doped Dy3+ and Eu3+ for the UV and blue converted WLEDs. Journal of Non-Crystalline Solids, 2017, 457, 1-8.	3.1	82
16	High-performance and moisture-resistant red-emitting Cs₂SiF₆:Mn⁴⁺ for high-brightness LED backlighting. Journal of Materials Chemistry C, 2019, 7, 2401-2407.	5.5	74
17	Enhancement of the up-conversion luminescence of Yb3+/Er3+ or Yb3+/Tm3+ co-doped NaYF4 nanoparticles by photonic crystals. Journal of Materials Chemistry C, 2013, 1, 6541.	5.5	73
18	Thermomchromic Reaction-Induced Reversible Upconversion Emission Modulation for Switching Devices and Tunable Upconversion Emission Based on Defect Engineering of WO₃:Yb³⁺,Er³⁺ Phosphor. ACS Applied Materials & Interfaces, 2018, 10, 14941-14947.	8.0	72

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19	Multiple Anti-Counterfeiting and optical storage of reversible dual-mode luminescence modification in photochromic CaWO4: Yb3+, Er3+, Bi3+ phosphor. Chemical Engineering Journal, 2022, 429, 132333.	12.7	71
20	Color-tunable luminescence in Eu3+/Tb3+ co-doped oxyfluoride glass and transparent glassâ€“ceramics. Journal of Alloys and Compounds, 2015, 629, 310-314.	5.5	69
21	Allâ€Inorganic Perovskite Polymerâ€“Ceramics for Flexible and Refreshable Xâ€Ray Imaging. Advanced Functional Materials, 2022, 32, 2107424.	14.9	69
22	Recent progress on upconversion luminescence enhancement in rare-earth doped transparent glass-ceramics. Journal of Rare Earths, 2016, 34, 341-367.	4.8	64
23	Long persistent properties of CaGa₂O₄:Bi³⁺ at different ambient temperature. Journal of the American Ceramic Society, 2017, 100, 3514-3521.	3.8	63
24	Novel Strategy for Designing Photochromic Ceramic: Reversible Upconversion Luminescence Modification and Optical Information Storage Application in the PbWO₄:Yb³⁺, Er³⁺ Photochromic Ceramic. ACS Applied Materials & Interfaces, 2020, 12, 21936-21943.	8.0	63
25	Phase-Selective Distribution of Eu²⁺ and Eu³⁺ in Oxide and Fluoride Crystals in Glass-Ceramics for Warm White-Light-Emitting Diodes. ACS Applied Electronic Materials, 2019, 1, 961-971.	4.3	61
26	Upconversion Emission Enhancement of NaYF₄:Yb,Er Nanoparticles by Coupling Silver Nanoparticle Plasmons and Photonic Crystal Effects. Journal of Physical Chemistry C, 2014, 118, 17992-17999.	3.1	58
27	Reversible multiplexing for optical information recording, erasing, and reading-out in photochromic BaMgSiO4:Bi3+ luminescence ceramics. Science China Materials, 2020, 63, 582-592.	6.3	57
28	Effect of optical basicity on broadband infrared fluorescence in bismuth-doped alkali metal germanate glasses. Optical Materials, 2009, 31, 945-948.	3.6	56
29	Rb⁺ cations enable the change of luminescence properties in perovskite (Rb_xCs_{1â^'x}PbBr₃) quantum dots. Nanoscale, 2018, 10, 3429-3437.	5.6	55
30	Broadband nearâ€infrared emission enhancement in K₂Ga₂Sn₆O₁₆:Cr³⁺ phosphor by electronâ€lattice coupling regulation. Journal of the American Ceramic Society, 2020, 103, 5067-5075.	3.8	54
31	Tunable LLP via Energy Transfer between Na_{2â€“y}(Zn_{1â€“x}Ga_x)GeO₄ Sosoloid Host and Emission Centers with the Assistance of Zn Vacancies. Journal of Physical Chemistry C, 2015, 119, 14047-14055.	3.1	49
32	Laser induced thermochromism and reversible upconversion emission modulation of a novel WO3:Yb3+,Er3+ ceramic: dual-modal fingerprint acquisition application. Chemical Engineering Journal, 2020, 383, 123180.	12.7	48
33	Effect of Defect Distribution on the Optical Storage Properties of Strontium Gallates with a Low-Dimensional Chain Structure. Inorganic Chemistry, 2016, 55, 894-901.	4.0	47
34	Upconversion emission enhancement mechanisms of Nd³⁺-sensitized NaYF₄:Yb³⁺,Er³⁺ nanoparticles using tunable plasmonic Au films: plasmonic-induced excitation, radiative decay rate and energy-transfer enhancement. Journal of Materials Chemistry C, 2017, 5, 8535-8544.	5.5	47
35	Multiple anti-counterfeiting realized in NaBaScSi₂O₇ with a single activator of Eu²⁺. Journal of Materials Chemistry C, 2018, 6, 11137-11143.	5.5	46
36	Tradeâ€off Lattice Site Occupancy Engineering Strategy for Nearâ€Infrared Phosphors with Ultrabroad and Tunable Emission. Advanced Optical Materials, 2022, 10, 2101633.	7.3	46

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37	Energy transfer and photoluminescence modification in Ybâ€“Erâ€“Tm triply doped Y2Ti2O7 upconversion inverse opal. Journal of Materials Chemistry, 2012, 22, 18558.	6.7	45
38	Broadband near-infrared emitting from Li1.6Zn1.6Sn2.8O8:Cr3+ phosphor by two-site occupation and Al3+ cationic regulation. Materials and Design, 2020, 192, 108701.	7.0	44
39	Entirely Reversible Photochromic Glass with High Coloration and Luminescence Contrast for 3D Optical Storage. ACS Energy Letters, 2022, 7, 2060-2069.	17.4	44
40	Investigation of optical properties: Eu with Al codoping in aluminum silicate glasses and glassâ€ceramics. Journal of the American Ceramic Society, 2017, 100, 2901-2913.	3.8	43
41	High-Stable X-ray Imaging from All-Inorganic Perovskite Nanocrystals under a High Dose Radiation. Journal of Physical Chemistry Letters, 2020, 11, 9203-9209.	4.6	43
42	Farâ€Redâ€Emitting BiOCl:Eu³⁺ Phosphor with Excellent Broadband <scp>NUV</scp>â€Excitation for Whiteâ€Lightâ€Emitting Diodes. Journal of the American Ceramic Society, 2015, 98, 2170-2176.	3.8	42
43	Emergence of photoluminescence enhancement of Eu³⁺ doped BiOCl single-crystalline nanosheets at reduced vertical dimensions. Nanoscale, 2018, 10, 4865-4871.	5.6	42
44	High multi-photon visible upconversion emissions of Er3+ singly doped BiOCl microcrystals: A photon avalanche of Er3+ induced by 980â€‰nm excitation. Applied Physics Letters, 2013, 103, 231104.	3.3	41
45	Effect of crystalline fraction on upconversion luminescence in Er 3+ /Yb 3+ Co-doped NaYF 4 oxyfluoride glass-ceramics. Journal of the European Ceramic Society, 2017, 37, 763-770.	5.7	41
46	Disentangling site occupancy, cation regulation, and oxidation state regulation of the broadband near infrared emission in a chromium-doped SrGa₄O₇ phosphor. Inorganic Chemistry Frontiers, 2020, 7, 2313-2321.	6.0	41
47	Efficient near-infrared to visible and ultraviolet upconversion in polycrystalline BiOCl:Er3+/Yb3+ synthesized at low temperature. Ceramics International, 2013, 39, 8911-8916.	4.8	40
48	The synthesis and photoluminescence of a single-phased white-emitting NaAlSiO 4 : Ce 3+ , Mn 2+ phosphor for WLEDs. Materials Research Bulletin, 2016, 73, 1-5.	5.2	37
49	Abnormal photo-stimulated luminescence in Ba2Ga2GeO7: Tb3+, Bi3+. Journal of Luminescence, 2018, 202, 414-419.	3.1	37
50	Recent developments and progress of inorganic photo-stimulated phosphors. Journal of Rare Earths, 2019, 37, 679-690.	4.8	37
51	Silver nanoparticles enhanced luminescence and stability of CsPbBr₃ perovskite quantum dots in borosilicate glass. Journal of the American Ceramic Society, 2020, 103, 2463-2470.	3.8	37
52	Long Persistent Luminescence from Allâ€Inorganic Perovskite Nanocrystals. Advanced Optical Materials, 2020, 8, 2000585.	7.3	37
53	Effects of the deep traps on the thermalâ€stability property of CaAl₂O₄: Eu²⁺ phosphor. Journal of the American Ceramic Society, 2018, 101, 3480-3488.	3.8	36
54	Observation of Energy Transfer from Host to Rare-Earth Ions in Ca2SnO4:Pr3+ Phosphor. Journal of the American Ceramic Society, 2011, 94, 985-987.	3.8	35

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55	Phase transformation and enhancement of luminescence in the Tb3+-Yb3+ co-doped oxyfluoride glass ceramics containing NaYF4 nanocrystals. Journal of the European Ceramic Society, 2016, 36, 2825-2830.	5.7	35
56	High Water Resistance of Monoclinic CsPbBr₃ Nanocrystals Derived from Zero-Dimensional Cesium Lead Halide Perovskites. ACS Omega, 2019, 4, 6084-6091.	3.5	35
57	A dynamic three-path authenticating model for anti-counterfeiting in a single host of CaAl2Si2O8. Chemical Engineering Journal, 2021, 412, 128695.	12.7	35
58	Effect of glass network modifier R2O (R=Li, Na and K) on upconversion luminescence in Er3+/Yb3+ co-doped NaYF4 oxyfluoride glass-ceramics. Journal of Rare Earths, 2015, 33, 830-836.	4.8	34
59	Effect of Li+ ions on the enhancement upconversion and stokes emission of NaYF4:Tb, Yb co-doped in glass-ceramics. Journal of Alloys and Compounds, 2016, 667, 297-301.	5.5	34
60	Preparation of ultra-small molecule-like Ag nano-clusters in silicate glass based on ion-exchange process: Energy transfer investigation from molecule-like Ag nano-clusters to Eu3+ ions. Chemical Engineering Journal, 2018, 341, 175-186.	12.7	34
61	Luminescence enhancement and white light generation of Eu3+ and Dy3+ single-doped and co-doped tellurite glasses by Ag nanoparticles based on Ag+-Na+ ion-exchange. Journal of Alloys and Compounds, 2018, 748, 717-729.	5.5	34
62	NIR-excited all-inorganic perovskite quantum dots (CsPbBr₃) for a white light-emitting device. Journal of Materials Chemistry C, 2019, 7, 3751-3755.	5.5	34
63	Optical thermometry properties of silicate glass ceramics with dual-phase for spatial isolation of Er3+ and Cr3+. Journal of Luminescence, 2020, 219, 116861.	3.1	34
64	High-temperature long persistent and photo-stimulated luminescence in Tb3+ doped gallate phosphor. Journal of Alloys and Compounds, 2017, 701, 774-779.	5.5	33
65	Low-temperature red long-persistent luminescence of Pr3+ doped NaNbO3 with a perovskite structure. Journal of Luminescence, 2019, 208, 290-295.	3.1	33
66	Crystal structure insight aided design of SrGa2Si2O8:Mn2+ with multi-band and thermally stable emission for high-power LED applications. Chemical Engineering Journal, 2019, 375, 122016.	12.7	32
67	Photoluminescence enhancement of Eu³⁺ ions by Ag species in SiO₂ three-dimensionally ordered macroporous materials. Journal of Materials Chemistry C, 2015, 3, 7699-7708.	5.5	31
68	Contribution of Eu ions on the precipitation of silver nanoparticles in Ag-Eu co-doped borate glasses. Materials Research Bulletin, 2014, 51, 315-319.	5.2	30
69	The synthesis of a perovskite CsPbBr₃ quantum dot superlattice in borosilicate glass. Chemical Communications, 2020, 56, 4460-4463.	4.1	30
70	Electrochromism induced reversible upconversion luminescence modulation of WO3:Yb3+, Er3+ inverse opals for optical storage application. Chemical Engineering Journal, 2020, 394, 124967.	12.7	30
71	Investigation of the role of silver species on spectroscopic features of Sm3+-activated sodiumâ€“aluminosilicate glasses via Ag+-Na+ ion exchange. Journal of Applied Physics, 2013, 113, 193103.	2.5	29
72	Reversible Modulated Upconversion Luminescence of MoO₃:Yb³⁺,Er³⁺ Thermochromic Phosphor for Switching Devices. Inorganic Chemistry, 2019, 58, 6950-6958.	4.0	29

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73	Transparent perovskite glass-ceramics for visual optical thermometry. Journal of Rare Earths, 2021, 39, 712-717.	4.8	29
74	Effect of heat treatment mechanism on upconversion luminescence in Er 3+ /Yb 3+ co-doped NaYF 4 oxyfluoride glass-ceramics. Journal of Alloys and Compounds, 2017, 699, 303-307.	5.5	28
75	Atomicâ€Level Passivation of Individual Upconversion Nanocrystal for Single Particle Microscopic Imaging. Advanced Functional Materials, 2020, 30, 1906137.	14.9	28
76	Thermally stable photoluminescence and long persistent luminescence of Ca 3 Ga 4 O 9 :Tb 3+ /Zn 2+. Journal of Rare Earths, 2018, 36, 675-679.	4.8	27
77	Enhancement of solar-driven photocatalytic activity of oxygen vacancy-rich Bi/BiOBr/Sr2LaF7:Yb3+,Er3+ composites through synergetic strategy of upconversion function and plasmonic effect. Journal of Environmental Sciences, 2022, 115, 76-87.	6.1	27
78	Effects of gold nanoparticles on the enhancement of upconversion and near-infrared emission in Er3+/Yb3+ co-doped transparent glassâ€“ceramics containing BaF2 nanocrystals. Ceramics International, 2015, 41, 2648-2653.	4.8	26
79	Photostimulated and Long Persistent Luminescence Properties from Different Crystallographic Sites of Î²â€Sr₂SiO₄: Eu²⁺, R³⁺ (RÂ=ÂTm, Gd). Journal of the American Ceramic Society, 2015, 98, 171-177.	3.8	26
80	Highly stable humidity sensor based on lead-free Cs₃Bi₂Br₉ perovskite for breath monitoring. Journal of Materials Chemistry C, 2021, 9, 11299-11305.	5.5	26
81	Anti-counterfeiting applications by photochromism induced modulation of reversible upconversion luminescence in TiO₂:Yb³⁺,Er³⁺ ceramic. Journal of Materials Chemistry C, 2022, 10, 6243-6251.	5.5	26
82	Enhanced photoluminescence property and mechanism of Eu³⁺â€doped tellurite glasses by the silver and gold nanoparticles. Journal of the American Ceramic Society, 2018, 101, 612-623.	3.8	25
83	A novel upconversion luminescence temperature sensing material: Negative thermal expansion Y2Mo3O12:Yb3+, Er3+ and positive thermal expansion Y2Ti2O7:Yb3+, Er3+ mixed phosphor. Journal of Alloys and Compounds, 2021, 880, 160156.	5.5	25
84	Design, synthesis and characterization of a novel orange-yellow long-lasting phosphor: Li2SrSiO4:Eu2+, Dy3+. Powder Technology, 2015, 276, 129-133.	4.2	24
85	Splitting upconversion emission and phononâ€assisted population inversion of Ba₂Y(BO₃)₂Cl:Yb³⁺, Er³⁺ phosphor. Journal of the American Ceramic Society, 2017, 100, 4994-4998.	3.8	24
86	Enhanced luminescence performance of CaO:Ce³⁺,Li⁺,F^{â^'} phosphor and its phosphor-in-glass based high-power warm LED properties. Journal of Materials Chemistry C, 2018, 6, 4077-4086.	5.5	24
87	A reversible and fast-responsive humidity sensor based on a lead-free Cs₂TeCl₆ double perovskite. Materials Advances, 2021, 2, 1043-1049.	5.4	23
88	Effect of the Glass Structure on Emission of Rareâ€Earthâ€Doped Borate Glasses. Journal of the American Ceramic Society, 2015, 98, 4102-4106.	3.8	22
89	Preparation and blueâ€“white luminescence properties of Bi3+-doped Ba5SiO4Cl6. Journal of Materials Science, 2013, 48, 8566-8570.	3.7	21
90	Energy transfer and upconversion emission of Er3+/Tb3+/Yb3+ co-doped transparent glass-ceramics containing Ba2LaF7 nanocrystals under heat treatment. Optical Materials, 2014, 36, 639-644.	3.6	21

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91	Preparation and Upconversion Emission Modification of Crystalline Colloidal Arrays and Rare Earth Fluoride Microcrystal Composites. Scientific Reports, 2015, 5, 7636.	3.3	21
92	Multi-band photon avalanche controlling performance of BiOCl:Er³⁺ crystals through facile Yb³⁺ doping. Journal of Materials Chemistry C, 2015, 3, 8559-8565.	5.5	21
93	Unusually enhancing high-order photon avalanche upconversion of layered BiOCl:Er3+ semiconductor poly-crystals via Li+ ion intercalation doping. Materials and Design, 2016, 105, 290-295.	7.0	21
94	Role of oxygen vacancies in long persistent phosphor Ca₂Ga₂GeO₇: Zn²⁺. Journal of the American Ceramic Society, 2018, 101, 2695-2700.	3.8	21
95	Insights into anti-thermal quenching of photoluminescence from SrCaGa4O8 based on defect state and application in temperature sensing. Journal of Luminescence, 2019, 208, 284-289.	3.1	21
96	Warm white light emitting from single composition SrGa 12 O 19 :Dy 3+ phosphors for ACâ€ŁED. Journal of the American Ceramic Society, 2020, 103, 335-345.	3.8	21
97	Broadband, Enhanced, and Antithermally Quenched Near-Infrared Phosphors via a Cosubstitution Approach. Inorganic Chemistry, 2021, 60, 11616-11625.	4.0	21
98	Highâ€Resolution Xâ€Ray Timeâ€Łapse Imaging from Fluoride Nanocrystals Embedded in Glass Matrix. Advanced Optical Materials, 2022, 10, .	7.3	21
99	Effect of Mn2+ ions on the enhancement red upconversion emission of Mn2+/Er3+/Yb3+ tri-doped in transparent glass-ceramics. Optics and Laser Technology, 2014, 64, 264-268.	4.6	20
100	Investigation on the upconversion emission in 2D BiOBr:Yb3+/Ho3+ nanosheets. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 150, 135-141.	3.9	20
101	Preparation, Growth Mechanism, Upconversion, and Near-Infrared Photoluminescence Properties of Convex-Lens-like NaYF₄ Microcrystals Doped with Various Rare Earth Ions Excited at 808 nm. Crystal Growth and Design, 2018, 18, 1758-1767.	3.0	20
102	Upconversion luminescence modification induced near infrared luminescence enhancement of Bi2Ti2O7:Yb3+, Er3+ inverse opals. Journal of Luminescence, 2019, 208, 150-154.	3.1	20
103	UV-shielding device of high-stability glass embedded with in-situ growth of ZnO quantum dots. Journal of Alloys and Compounds, 2019, 784, 535-540.	5.5	20
104	Two distinct simultaneous NIR looping behaviours of Er3+ singly doped BiOBr: The underlying nature of the Er3+ ion photon avalanche emission induced by a layered structure. Journal of Alloys and Compounds, 2019, 779, 440-449.	5.5	20
105	Atomic-Scale Insights into the Dynamics of Growth and Degradation of All-Inorganic Perovskite Nanocrystals. Journal of Physical Chemistry Letters, 2020, 11, 4618-4624.	4.6	20
106	An unusal strategy of Ca2+ heterovalent doping enabled upconversion enhancement of Er3+ in bismuth oxychloride layered semiconducting crystals. Journal of Alloys and Compounds, 2021, 854, 157252.	5.5	20
107	Enhanced upconversion luminescence of BiOCl:Yb³⁺,Er³⁺ nanosheets via carbon dot modification and their optical temperature sensing. Materials Chemistry Frontiers, 2021, 5, 4280-4290.	5.9	20
108	A Highly Stable Photodetector Based on a Lead-Free Double Perovskite Operating at Different Temperatures. Journal of Physical Chemistry Letters, 2021, 12, 5682-5688.	4.6	20

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109	Transparent Medium Embedded with CdS Quantum Dots for Xâ€Ray Imaging. Advanced Optical Materials, 2021, 9, 2101607.	7.3	20
110	Highly sensitive optical thermometer of Sm³⁺, Mn⁴⁺ activated LaGaO₃ phosphor for the regulated thermal behavior. Journal of the American Ceramic Society, 2022, 105, 2804-2812.	3.8	20
111	Variation from Zero to Negative Thermal Quenching of Phosphor with Assistance of Defect States. Inorganic Chemistry, 2021, 60, 19365-19372.	4.0	20
112	Effects of Li + ions on the enhancement of up-conversion emission in Ho 3+ -Yb 3+ co-doped transparent glassâ€“ceramics containing Ba 2 LaF 7 nanocrystals. Optical Materials, 2016, 60, 277-282.	3.6	19
113	Comprehensive investigations of near infrared downshift and upconversion luminescence mechanisms in Yb³⁺ single-doped and Er³⁺,Yb³⁺ co-doped SiO₂ inverse opals. Physical Chemistry Chemical Physics, 2017, 19, 31997-32006.	2.8	19
114	Modification of the upconversion spontaneous emission in photonic crystals. Materials Chemistry and Physics, 2012, 133, 584-587.	4.0	18
115	Infrared broadband emission of bismuthâ€“thulium co-doped lanthanumâ€“aluminumâ€“silica glasses. Journal of Luminescence, 2012, 132, 1353-1356.	3.1	18
116	Effect of retrapping on the persistent luminescence in strontium silicate orangeâ€“yellow phosphor. Journal of Solid State Chemistry, 2013, 206, 66-68.	2.9	18
117	Significant Improvement of Photo-Stimulated Luminescence of Ba₄(Si₃O₈)₂:Eu²⁺by Co-Doping with Tm³⁺. ECS Journal of Solid State Science and Technology, 2013, 2, R225-R229.	1.8	18
118	Novel organicâ€“inorganic hybrid powder SrGa₁₂O₁₉:Mn²⁺â€“ethyl cellulose for efficient latent fingerprint recognitionviatime-gated fluorescence. RSC Advances, 2020, 10, 8233-8243.	3.6	18
119	NIR-NIR upconverting optical temperature sensing based on the thermally coupled levels of Yb3+-Tm3+ codoped Bi7F11O5 nanosheets. Journal of Luminescence, 2020, 221, 117034.	3.1	18
120	Improved thermal stability of the nearâ€infrared Alâ€modulated Zn₃Ga₂GeO₈: Cr³⁺ phosphors for plant growth applications. Journal of the American Ceramic Society, 2022, 105, 966-976.	3.8	18
121	Effect of photonic bandgap on upconversion emission in YbPO_4:Er inverse opal photonic crystals. Applied Optics, 2011, 50, 287.	2.1	17
122	The influence of alkali ions size on the superbroadband NIR emission from bismuth-doped alkali aluminoborophosphsilicate glasses. Optical Materials, 2012, 35, 61-64.	3.6	17
123	Color tunable upconversion emission in CeO2:Yb,Er three-dimensional ordered macroporous materials. Journal of Rare Earths, 2015, 33, 599-603.	4.8	17
124	Large reversible upconversion luminescence modification and 3D optical information storage in femtosecond laser irradiation-subjected photochromic glass. Science China Materials, 2022, 65, 1586-1593.	6.3	17
125	Influence of the <scp><scp>Eu</scp></scp>²⁺ on the Silver Aggregates Formation in <scp><scp>Ag</scp></scp>⁺â€“<scp><scp>Na</scp></scp>⁺ Ionâ€Exchanged <scp><scp>Eu</scp></scp>³⁺â€Doped Sodiumâ€“Aluminosilicate Glasses. Journal of the American Ceramic Society, 2014, 97, 1110-1114.	3.8	16
126	Tunable Mission and Trichromatic Whiteâ€Emitting in Oxyfluoride Glasses by Utilization of Cu⁺ Ions as Multiple Energyâ€Transfer Creators. Journal of the American Ceramic Society, 2014, 97, 2897-2902.	3.8	16

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127	Color variation of photo-stimulated luminescence in strontium ortho-silicate with the assistance of trap centers. Materials Letters, 2014, 127, 40-43.	2.6	16
128	Modified surface states of NaGdF₄:Yb³⁺/Tm³⁺ up-conversion nanoparticles via a post-chemical annealing process. Nanoscale, 2018, 10, 19031-19038.	5.6	16
129	BiOCl:Er3+ Nanosheets with Tunable Thickness for Photon Avalanche Phosphors. ACS Applied Nano Materials, 2019, 2, 7652-7660.	5.0	16
130	Improving upconversion emission of NaYF4:Yb3+, Er3+ nanoparticles by coupling Au nanoparticles and photonic crystals: The detection enhancement of Rhodamine B. Journal of Alloys and Compounds, 2019, 788, 1265-1273.	5.5	16
131	Abnormally heat-enhanced Yb excited state lifetimes in Bi7F11O5 nanocrystals and the potential applications in lifetime luminescence nanothermometry. Journal of Materials Chemistry C, 2019, 7, 13811-13817.	5.5	16
132	In situ synthesis of high-efficiency CsPbBr₃/CsPb₂Br₅ composite nanocrystals in aqueous solution of microemulsion. Green Chemistry, 2020, 22, 5257-5261.	9.0	16
133	Enhancement of Tbâ€“Yb quantum cutting emission by inverse opal photonic crystals. Optical Materials, 2016, 54, 229-233.	3.6	15
134	Intense one-band near-infrared upconversion luminescence induced by using spontaneous polarization BiOCl sheet crystals as hosts for Yb³⁺ and Tm³⁺ ions. Inorganic Chemistry Frontiers, 2019, 6, 612-620.	6.0	15
135	The dual-defect passivation role of lithium bromide doping in reducing the nonradiative loss in CsPbX₃ (X = Br and I) quantum dots. Inorganic Chemistry Frontiers, 2021, 8, 658-668.	6.0	15
136	The Transformation from Translucent into Transparent Rare Earth Ions Doped Oxyfluoride Glassâ€Ceramics with Enhanced Luminescence. Advanced Optical Materials, 2022, 10, .	7.3	15
137	Photostimulated luminescence properties of Eu²⁺â€doped barium aluminate phosphor. Luminescence, 2015, 30, 235-239.	2.9	14
138	Effects of crystal structure transformation on cooperative up-conversion luminescence in the Tb3+-Yb3+ co-doped oxyfluoride glass-ceramics. Journal of Alloys and Compounds, 2018, 731, 1044-1052.	5.5	14
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