

Yuansheng Wang

List of Publications by Year in descending order

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199
papers

13,361
citations

18436

62
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107
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205
all docs

205
docs citations

205
times ranked

9209
citing authors

#	ARTICLE	IF	CITATIONS
1	A new-generation color converter for high-power white LED: transparent Ce ³⁺ :YAG phosphor-in-glass. <i>Laser and Photonics Reviews</i> , 2014, 8, 158-164.	4.4	519
2	A Novel Optical Thermometry Strategy Based on Diverse Thermal Response from Two Intervalence Charge Transfer States. <i>Advanced Functional Materials</i> , 2016, 26, 3139-3145.	7.8	467
3	CaMg ₂ Al ₁₆ O ₂₇ :Mn ⁴⁺ -based Red Phosphor: A Potential Color Converter for High-Powered Warm W-LED. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 22905-22913.	4.0	393
4	Hydrothermal Synthesis, Structural Characteristics, and Enhanced Photocatalysis of SnO ₂ /Fe ₂ O ₃ Semiconductor Nanoheterostructures. <i>ACS Nano</i> , 2010, 4, 681-688.	7.3	373
5	Quasicubic Fe ₂ O ₃ Nanoparticles with Excellent Catalytic Performance. <i>Journal of Physical Chemistry B</i> , 2006, 110, 3093-3097.	1.2	332
6	Modifying the Size and Shape of Monodisperse Bifunctional Alkaline-Earth Fluoride Nanocrystals through Lanthanide Doping. <i>Journal of the American Chemical Society</i> , 2010, 132, 9976-9978.	6.6	293
7	Non-Rare-Earth BaMgAl ₁₀ O ₁₇ :Mn ⁴⁺ , Mg ²⁺ : A Narrow-Band Red Phosphor for Use as a High-Power Warm w-LED. <i>Chemistry of Materials</i> , 2016, 28, 3515-3524.	3.2	290
8	Glass Ceramic Phosphors: Towards Long-Lifetime High-Power White Light-Emitting Diode Applications. A Review. <i>Laser and Photonics Reviews</i> , 2018, 12, 1700344.	4.4	256
9	A novel double-perovskite Gd ₂ ZnTiO ₆ :Mn ⁴⁺ red phosphor for UV-based w-LEDs: structure and luminescence properties. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2374-2381.	2.7	240
10	Exploring the Different Photocatalytic Performance for Dye Degradations over Hexagonal ZnIn ₂ S ₄ Microspheres and Cubic ZnIn ₂ S ₄ Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 2273-2279.	4.0	209
11	Tunable Red-Green Upconversion Luminescence in Novel Transparent Glass Ceramics Containing Er:NaYF ₄ Nanocrystals. <i>Journal of Physical Chemistry B</i> , 2006, 110, 20843-20846.	1.2	206
12	Bright upconversion white light emission in transparent glass ceramic embedding Tm ³⁺ :Er ³⁺ :Yb ³⁺ :YF ₃ nanocrystals. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	202
13	Strategy design for ratiometric luminescence thermometry: circumventing the limitation of thermally coupled levels. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7462-7478.	2.7	194
14	Near-infrared quantum cutting in transparent nanostructured glass ceramics. <i>Optics Letters</i> , 2008, 33, 1884.	1.7	184
15	Yb ³⁺ /Er ³⁺ co-doped CaMoO ₄ : a promising green upconversion phosphor for optical temperature sensing. <i>Journal of Alloys and Compounds</i> , 2015, 639, 325-329.	2.8	176
16	Phosphor-in-Glass for High-Powered Remote-Type White AC-LED. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 21264-21269.	4.0	174
17	Lanthanide nanomaterials with photon management characteristics for photovoltaic application. <i>Nano Energy</i> , 2012, 1, 73-90.	8.2	162
18	Quantum cutting downconversion by cooperative energy transfer from Ce ³⁺ to Yb ³⁺ in borate glasses. <i>Journal of Applied Physics</i> , 2008, 104, .	1.1	153

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19	Evolution of Single Crystalline Dendrites from Nanoparticles through Oriented Attachment. Journal of Physical Chemistry B, 2005, 109, 794-798.	1.2	152
20	High-security-level multi-dimensional optical storage medium: nanostructured glass embedded with LiGa5O8: Mn ²⁺ with photostimulated luminescence. Light: Science and Applications, 2020, 9, 22.	7.7	152
21	Impurity doping: a novel strategy for controllable synthesis of functional lanthanide nanomaterials. Nanoscale, 2013, 5, 4621.	2.8	146
22	Intense ultraviolet upconversion luminescence from Tm ³⁺ •Yb ³⁺ : λ^2 -YF ₃ nanocrystals embedded glass ceramic. Applied Physics Letters, 2007, 91, .	1.5	145
23	Two-Step Self-Assembly of Nanodisks into Plate-Built Cylinders through Oriented Aggregation. Journal of Physical Chemistry B, 2005, 109, 11548-11551.	1.2	144
24	Bandgap Tailoring via Si Doping in Inverse-Garnet Mg ₃ Y ₂ Ge ₃ O ₁₂ :Ce ³⁺ Persistent Phosphor Potentially Applicable in AC-LED. ACS Applied Materials & Interfaces, 2015, 7, 21835-21843.	4.0	143
25	Intervalence charge transfer state interfered Pr ³⁺ luminescence: A novel strategy for high sensitive optical thermometry. Sensors and Actuators B: Chemical, 2017, 243, 137-143.	4.0	136
26	Chromaticity-tunable phosphor-in-glass for long-lifetime high-power warm w-LEDs. Journal of Materials Chemistry C, 2015, 3, 8080-8089.	2.7	134
27	Cooperative Energy Transfer Up-Conversion and Quantum Cutting Down-Conversion in Yb ³⁺ :TbF ₃ Nanocrystals Embedded Glass Ceramics. Journal of Physical Chemistry C, 2009, 113, 6406-6410.	1.5	132
28	Metastable λ^3 -MnS Hierarchical Architectures: Synthesis, Characterization, and Growth Mechanism. Journal of Physical Chemistry B, 2006, 110, 8284-8288.	1.2	130
29	Ultra-small yellow defective TiO ₂ nanoparticles for co-catalyst free photocatalytic hydrogen production. Nano Energy, 2016, 24, 63-71.	8.2	129
30	Ultra-broadband near-infrared excitable upconversion core/shell nanocrystals. Chemical Communications, 2012, 48, 5898.	2.2	125
31	Color-tunable luminescence of Eu ³⁺ in LaF ₃ embedded nanocomposite for light emitting diode. Acta Materialia, 2010, 58, 3035-3041.	3.8	122
32	Design, Preparation, and Characterization of a Novel Red Long-Persistent Perovskite Phosphor: Ca ₃ Ti ₂ O ₇ :Pr ³⁺ . Inorganic Chemistry, 2015, 54, 11299-11306.	1.9	122
33	Non-Rare Earth K ₂ XF ₇ :Mn ⁴⁺ (X = Ta, Nb): A Highly Efficient Narrow-Band Red Phosphor Enabling the Application in Wide-Gamut LCD. Laser and Photonics Reviews, 2017, 11, 1700148.	4.4	120
34	A highly-distorted octahedron with a C _{2v} group symmetry inducing an ultra-intense zero phonon line in Mn ⁴⁺ -activated oxyfluoride Na ₂ WO ₂ F ₄ . Journal of Materials Chemistry C, 2017, 5, 10524-10532.	2.7	120
35	Luminescence study of a self-activated and rare earth activated Sr ₃ La(VO ₄) ₃ phosphor potentially applicable in W-LEDs. Journal of Materials Chemistry C, 2015, 3, 3023-3028.	2.7	113
36	Dopant-induced phase transition: a new strategy of synthesizing hexagonal upconversion NaYF ₄ at low temperature. Chemical Communications, 2011, 47, 5801.	2.2	112

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37	Synthesis and magnetic properties of nickel ferrite nano-octahedra. <i>Journal of Solid State Chemistry</i> , 2005, 178, 2394-2397.	1.4	106
38	Ultraviolet-blue to near-infrared downconversion of Nd ³⁺ -Yb ³⁺ couple. <i>Optics Letters</i> , 2010, 35, 220.	1.7	104
39	Phase transition from hexagonal LnF ₃ (Ln = La, Ce, Pr) to cubic Ln _{0.8} M _{0.2} F _{2.8} (M = Ca, Sr, Ba) nanocrystals with enhanced upconversion induced by alkaline-earth doping. <i>Chemical Communications</i> , 2011, 47, 2601.	2.2	97
40	Enhanced mid-infrared emissions of Er ³⁺ at 27 μm via Nd ³⁺ sensitization in chalcogenide glass. <i>Optics Letters</i> , 2011, 36, 1815.	1.7	97
41	Near-infrared quantum cutting in Ho ³⁺ /Yb ³⁺ codoped nanostructured glass ceramic. <i>Optics Letters</i> , 2011, 36, 876.	1.7	96
42	Lu ₂ CaMg ₂ (Si _{1-x} Ge _x) ₃ O ₁₂ :Ce ³⁺ solid-solution phosphors: bandgap engineering for blue-light activated afterglow applicable to AC-LED. <i>Journal of Materials Chemistry C</i> , 2016, 4, 10329-10338.	2.7	92
43	Intrinsic single-band upconversion emission in colloidal Yb/Er(Tm):Na ₃ Zr(Hf)F ₇ nanocrystals. <i>Chemical Communications</i> , 2012, 48, 10630.	2.2	91
44	Highly thermal-stable warm w-LED based on Ce:YAG PiG stacked with a red phosphor layer. <i>Journal of Alloys and Compounds</i> , 2015, 649, 661-665.	2.8	88
45	Lanthanide dopant-induced formation of uniform sub-10 nm active-core/active-shell nanocrystals with near-infrared to near-infrared dual-modal luminescence. <i>Journal of Materials Chemistry</i> , 2012, 22, 2632-2640.	6.7	87
46	Modifying the size and uniformity of upconversion Yb/Er:NaGdF ₄ nanocrystals through alkaline-earth doping. <i>Nanoscale</i> , 2013, 5, 11298.	2.8	87
47	Broadband UV excitable near-infrared downconversion luminescence in Eu ²⁺ /Yb ³⁺ :CaF ₂ nanocrystals embedded glass ceramics. <i>Journal of Alloys and Compounds</i> , 2011, 509, 3363-3366.	2.8	85
48	Shape Control of Monodisperse CdS Nanocrystals: Hexagon and Pyramid. <i>Journal of Physical Chemistry B</i> , 2006, 110, 9448-9451.	1.2	81
49	Influences of Er ³⁺ content on structure and upconversion emission of oxyfluoride glass ceramics containing CaF ₂ nanocrystals. <i>Materials Chemistry and Physics</i> , 2006, 95, 264-269.	2.0	81
50	Structure and Optical Spectroscopy of Eu-Doped Glass Ceramics Containing Gd ₃ Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2008, 112, 18943-18947.	1.5	81
51	Color-tunable luminescence for Bi ³⁺ /Ln ³⁺ :YVO ₄ (Ln = Eu, Sm, Dy, Ho) nanophosphors excitable by near-ultraviolet light. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 7775.	1.3	81
52	Structure and luminescence behavior of a single-ion activated single-phased Ba ₂ Y ₃ (SiO ₄) ₃ F:Eu white-light phosphor. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1789-1797.	2.7	81
53	Lanthanide activator doped NaYb _{1-x} Gd _x F ₄ nanocrystals with tunable down-, up-conversion luminescence and paramagnetic properties. <i>Journal of Materials Chemistry</i> , 2011, 21, 6186.	6.7	79
54	Broadening the valid temperature range of optical thermometry through dual-mode design. <i>Journal of Materials Chemistry C</i> , 2018, 6, 11178-11183.	2.7	79

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55	Novel rare earth ions-doped oxyfluoride nano-composite with efficient upconversion white-light emission. <i>Journal of Solid State Chemistry</i> , 2008, 181, 2763-2767.	1.4	78
56	$\text{Ce}^{3+}/\text{Pr}^{3+}$: YAGG: A Long Persistent Phosphor Activated by Blue-Light. <i>Journal of the American Ceramic Society</i> , 2014, 97, 2539-2545.	1.9	78
57	Broadband near-infrared emission from $\text{Tm}^{3+}/\text{Er}^{3+}$ co-doped nanostructured glass ceramics. <i>Journal of Applied Physics</i> , 2007, 101, 113511.	1.1	71
58	Cr^{3+} : $\text{SrGa}_{12}\text{O}_{19}$: A Broadband Near-Infrared Long-Persistent Phosphor. <i>Chemistry - an Asian Journal</i> , 2014, 9, 1020-1025.	1.7	71
59	Optical spectroscopy of Eu^{3+} and Tb^{3+} doped glass ceramics containing LiYbF_4 nanocrystals. <i>Applied Physics Letters</i> , 2009, 94, .	1.5	68
60	Highly Intensified Upconversion Luminescence of Ca^{2+} -doped $\text{Yb}/\text{Er}:\text{NaGdF}_4$ Nanocrystals Prepared by a Solvothermal Route. <i>Chemistry - an Asian Journal</i> , 2014, 9, 728-733.	1.7	68
61	$\text{CsPbBr}_3/\text{EuPO}_4$ dual-phase devitrified glass for highly sensitive self-calibrating optical thermometry. <i>Journal of Materials Chemistry C</i> , 2018, 6, 9964-9971.	2.7	68
62	$\text{CsPb}(\text{Br},\text{I})_3$ embedded glass: Fabrication, tunable luminescence, improved stability and wide-color gamut LCD application. <i>Chemical Engineering Journal</i> , 2019, 378, 122255.	6.6	65
63	Stable CsPbBr_3 -Glass Nanocomposite for Low-tendue Wide-Color-Gamut Laser-Driven Projection Display. <i>Laser and Photonics Reviews</i> , 2021, 15, 2100044.	4.4	65
64	Inorganic halide perovskite quantum dot modified YAG-based white LEDs with superior performance. <i>Journal of Materials Chemistry C</i> , 2016, 4, 7601-7606.	2.7	64
65	Synthesis and visible light photocatalysis of Fe-doped TiO_2 mesoporous layers deposited on hollow glass microbeads. <i>Journal of Solid State Chemistry</i> , 2009, 182, 2785-2790.	1.4	62
66	Energy transfer and up-conversion luminescence in $\text{Er}^{3+}/\text{Yb}^{3+}$ co-doped transparent glass ceramic containing YF_3 nano-crystals. <i>Ceramics International</i> , 2009, 35, 2619-2623.	2.3	62
67	CeF_3 -based glass ceramic: a potential luminescent host for white-light-emitting diode. <i>Optics Letters</i> , 2009, 34, 2882.	1.7	62
68	A novel high-sensitive upconversion thermometry strategy: Utilizing synergistic effect of dual-wavelength lasers excitation to manipulate electron thermal distribution. <i>Sensors and Actuators B: Chemical</i> , 2019, 278, 165-171.	4.0	62
69	Size-dependent abnormal thermo-enhanced luminescence of ytterbium-doped nanoparticles. <i>Nanoscale</i> , 2017, 9, 13794-13799.	2.8	61
70	Spectroscopic properties of Er^{3+} ions in transparent oxyfluoride glass ceramics containing CaF_2 nano-crystals. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 6545-6557.	0.7	59
71	Tuning of multicolor emissions in glass ceramics containing $\text{I}^3\text{-Ga}_2\text{O}_3$ and $\text{I}^2\text{-YF}_3$ nanocrystals. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1804.	2.7	57
72	MnS Hierarchical Hollow Spheres with Novel Shell Structure. <i>Journal of Physical Chemistry B</i> , 2006, 110, 24399-24402.	1.2	56

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73	Sn ²⁺ /Mn ²⁺ codoped strontium phosphate (Sr ₂ P ₂ O ₇) phosphor for high temperature optical thermometry. Journal of Alloys and Compounds, 2018, 735, 1546-1552.	2.8	56
74	Microstructure and luminescence of transparent glass ceramic containing Er ³⁺ :BaF ₂ nano-crystals. Journal of Solid State Chemistry, 2006, 179, 532-537.	1.4	55
75	Partition, luminescence and energy transfer of Er ³⁺ /Yb ³⁺ ions in oxyfluoride glass ceramic containing CaF ₂ nano-crystals. Optical Materials, 2007, 29, 1693-1699.	1.7	55
76	A Photostimulated BaSi ₂ O ₅ :Eu ²⁺ ,Nd ³⁺ Phosphor-Glass for Erasable-Rewritable Optical Storage Medium. Laser and Photonics Reviews, 2019, 13, 1900006.	4.4	55
77	X-ray excited CsPb(Cl,Br) ₃ perovskite quantum dots-glass composite with long-lifetime. Journal of the European Ceramic Society, 2020, 40, 2234-2238.	2.8	55
78	Enhanced emissions of Eu ³⁺ by energy transfer from ZnO quantum dots embedded in SiO ₂ glass. Nanotechnology, 2008, 19, 055711.	1.3	54
79	pH value-dependant growth of Fe ₂ O ₃ hierarchical nanostructures. Journal of Crystal Growth, 2006, 294, 353-357.	0.7	53
80	CuGaS ₂ -ZnS nanoheterostructures: a promising visible light photo-catalyst for water-splitting hydrogen production. Nanoscale, 2016, 8, 16670-16676.	2.8	52
81	Color-tunable persistent luminescence in oxyfluoride glass and glass ceramic containing Mn ²⁺ :Zn ₂ Si ₄ nanocrystals. Journal of Materials Chemistry C, 2017, 5, 1479-1487.	2.7	52
82	Monodisperse upconversion Er ³⁺ /Yb ³⁺ :MFCI (M = Ca, Sr, Ba) nanocrystals synthesized via a seed-based chlorination route. Chemical Communications, 2011, 47, 11083.	2.2	51
83	Stress-induced CsPbBr ₃ nanocrystallization on glass surface: Unexpected mechanoluminescence and applications. Nano Research, 2019, 12, 1049-1054.	5.8	50
84	Influence of Yb ³⁺ content on microstructure and fluorescence of oxyfluoride glass ceramics containing LaF ₃ nano-crystals. Materials Chemistry and Physics, 2007, 101, 464-469.	2.0	49
85	Nanocrystallization of lanthanide trifluoride in an aluminosilicate glass matrix: dimorphism and rare earth partition. CrystEngComm, 2009, 11, 1686.	1.3	49
86	A chromaticity-tunable garnet-based phosphor-in-glass color converter applicable in w-LED. Journal of the European Ceramic Society, 2016, 36, 1723-1729.	2.8	49
87	Fluorescence and Judd-Ofelt analysis of Nd ³⁺ ions in oxyfluoride glass ceramics containing CaF ₂ nanocrystals. Journal of Physics and Chemistry of Solids, 2007, 68, 193-200.	1.9	48
88	Transparent glass ceramic containing Er ³⁺ :CaF ₂ nano-crystals prepared by sol-gel method. Materials Letters, 2007, 61, 3988-3990.	1.3	48
89	Upconversion luminescence of Ho ³⁺ sensitized by Yb ³⁺ in transparent glass ceramic embedding BaYF ₅ nanocrystals. Materials Research Bulletin, 2010, 45, 1017-1020.	2.7	48
90	A new transparent oxyfluoride glass ceramic with improved luminescence. Journal of Non-Crystalline Solids, 2007, 353, 405-409.	1.5	46

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91	Sensitized thulium ultraviolet upconversion luminescence in Tm ³⁺ /Yb ³⁺ /Nd ³⁺ triply doped nanoglass ceramics. <i>Optics Letters</i> , 2007, 32, 3068.	1.7	45
92	Judd–Ofelt analyses and luminescence of Er ³⁺ /Yb ³⁺ co-doped transparent glass ceramics containing NaYF ₄ nanocrystals. <i>Journal of Alloys and Compounds</i> , 2010, 490, 74-77.	2.8	45
93	An active-core/active-shell structure with enhanced quantum-cutting luminescence in Pr ³⁺ /Yb co-doped monodisperse nanoparticles. <i>Nanoscale</i> , 2014, 6, 10500-10504.	2.8	45
94	Enhancing negative thermal quenching effect via low-valence doping in two-dimensional confined core-shell upconversion nanocrystals. <i>Journal of Materials Chemistry C</i> , 2018, 6, 11587-11592.	2.7	45
95	Hydrothermal synthesis and characterization of MnWO ₄ nanoplates and their ionic conductivity. <i>Materials Chemistry and Physics</i> , 2007, 103, 433-436.	2.0	44
96	Molecular-like Ag clusters sensitized near-infrared down-conversion luminescence in oxyfluoride glasses for broadband spectral modification. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	44
97	Plasmon-driven N ₂ photofixation in pure water over MoO ₃ nanosheets under visible to NIR excitation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2827-2835.	5.2	44
98	Upconversion emission of a novel glass ceramic containing Er ³⁺ : BaYF ₅ nano-crystals. <i>Materials Letters</i> , 2007, 61, 5022-5025.	1.3	43
99	Infrared luminescence of transparent glass ceramic containing Er ³⁺ :NaYF ₄ nanocrystals. <i>Journal of Alloys and Compounds</i> , 2009, 467, 317-321.	2.8	43
100	Luminescence in rare earth-doped transparent glass ceramics containing GdF ₃ nanocrystals for lighting applications. <i>Journal of Materials Science</i> , 2010, 45, 2775-2779.	1.7	43
101	A visible light active photocatalyst: Nano-composite with Fe-doped anatase TiO ₂ nanoparticles coupling with TiO ₂ (B) nanobelts. <i>Journal of Molecular Catalysis A</i> , 2010, 326, 1-7.	4.8	43
102	Host-sensitized multicolor tunable luminescence of lanthanide ion doped one-dimensional YVO ₄ nano-crystals. <i>Journal of Alloys and Compounds</i> , 2011, 509, 3375-3381.	2.8	43
103	Synergistic effect of the rearranged sulfur vacancies and sulfur interstitials for 13-fold enhanced photocatalytic H ₂ production over defective Zn ₂ In ₂ S ₅ nanosheets. <i>Applied Catalysis B: Environmental</i> , 2019, 240, 270-276.	10.8	43
104	Crystallization behavior and microstructure investigations on LaF ₃ containing oxyfluoride glass ceramics. <i>Journal of Non-Crystalline Solids</i> , 2005, 351, 722-728.	1.5	42
105	Nd ³⁺ -sensitized upconversion white light emission of Tm ³⁺ /Ho ³⁺ bridged by Yb ³⁺ in YF ₃ nanocrystals embedded transparent glass ceramics. <i>Journal of Applied Physics</i> , 2010, 107, 103511.	1.1	42
106	Crystallization and fluorescence properties of Nd ³⁺ -doped transparent oxyfluoride glass ceramics. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005, 123, 1-6.	1.7	41
107	Abnormal thermally enhanced upconversion luminescence of lanthanide-doped phosphors: proposed mechanisms and potential applications. <i>Journal of Materials Chemistry C</i> , 2021, 9, 2220-2230.	2.7	41
108	Towards long-lifetime high-performance warm w-LEDs: Fabricating chromaticity-tunable glass ceramic using an ultra-low melting Sn-P-F-O glass. <i>Journal of the European Ceramic Society</i> , 2018, 38, 1990-1997.	2.8	40

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109	Patterned glass ceramic design for high-brightness high-color-quality laser-driven lightings. Journal of Advanced Ceramics, 2022, 11, 862-873.	8.9	40
110	Narrow-band red-emitting $\text{KZnF}_3:\text{Mn}^{4+}$ fluoroperovskites: insights into electronic/vibronic transition and thermal quenching behavior. Journal of Materials Chemistry C, 2018, 6, 10845-10854.	2.7	39
111	Abnormal size-dependent upconversion emissions and multi-color tuning in Er^{3+} -doped $\text{CaF}_2\text{-YbF}_3$ disordered solid-solution nanocrystals. Nanotechnology, 2013, 24, 085708.	1.3	38
112	Heating-induced abnormal increase in Yb^{3+} excited state lifetime and its potential application in lifetime luminescence nanothermometry. Inorganic Chemistry Frontiers, 2019, 6, 110-116.	3.0	38
113	$\text{SiAlON}:\text{Eu}^{2+}$ Phosphor-in-Glass Film: An Efficient Laser-Driven Color Converter for High-Brightness Wide-Color-Gamut Projection Displays. Laser and Photonics Reviews, 2021, 15, 2100317.	4.4	37
114	Toward High-Quality Laser-Driven Lightings: Chromaticity-Tunable Phosphor-in-Glass Film with Phosphor Pattern Design. Laser and Photonics Reviews, 2022, 16, .	4.4	37
115	Dual-mode color tuning based on upconversion core/triple-shell nanostructure. Journal of Materials Chemistry C, 2019, 7, 3342-3350.	2.7	35
116	Improvement of Er^{3+} emissions in oxyfluoride glass ceramic nano-composite by thermal treatment. Journal of Solid State Chemistry, 2006, 179, 1445-1452.	1.4	34
117	Microstructures and upconversion luminescence of Er^{3+} doped and $\text{Er}^{3+}/\text{Yb}^{3+}$ co-doped oxyfluoride glass ceramics. Materials Chemistry and Physics, 2007, 101, 234-237.	2.0	34
118	Enhanced luminescence in $\text{Ce}^{3+}/\text{Dy}^{3+}:\text{Sr}_3\text{Y}_2(\text{BO}_3)_4$ phosphors via energy transfer. Materials Research Bulletin, 2013, 48, 1957-1960.	2.7	34
119	Formation of AgGaS_2 nano-pyramids from Ag_2S nanospheres through intermediate $\text{Ag}_2\text{S-AgGaS}_2$ heterostructures and AgGaS_2 sensitized Mn^{2+} emission. Nanoscale, 2014, 6, 2340.	2.8	33
120	Towards ultra-high sensitive colorimetric nanothermometry: Constructing thermal coupling channel for electronically independent levels. Sensors and Actuators B: Chemical, 2018, 256, 498-503.	4.0	33
121	$\text{SnO}_2/\text{Fe}_2\text{O}_3$ nanoheterostructure with novel architecture: structural characteristics and photocatalytic properties. CrystEngComm, 2011, 13, 4873.	1.3	32
122	Synthesis and shape evolution of Fe_2O_3 nanophase through two-step oriented aggregation in solvothermal system. Journal of Crystal Growth, 2005, 284, 221-225.	0.7	31
123	Multiple branched Fe_2O_3 nanofibers: A two-step epitaxial growth. Journal of Crystal Growth, 2006, 286, 156-161.	0.7	30
124	Novel Nanocrystal Heterostructures: Crystallographic-Oriented Growth of SnO_2 Nanorods onto Fe_2O_3 Nanohexahedron. Crystal Growth and Design, 2008, 8, 1727-1729.	1.4	30
125	Thermo-enhanced upconversion luminescence in inert-core/active-shell UCNPs: the inert core matters. Nanoscale, 2021, 13, 6569-6576.	2.8	30
126	Design of Ratiometric Dual-Emitting Mechanoluminescence: Lanthanide/Transition-Metal Combination Strategy. Laser and Photonics Reviews, 2022, 16, .	4.4	30

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127	Investigation on crystallization kinetics and microstructure of novel transparent glass ceramics containing Nd:NaYF ₄ nano-crystals. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007, 136, 106-110.	1.7	29
128	Highly efficient near-infrared to visible upconversion luminescence in transparent glass ceramics containing Yb ³⁺ /Er ³⁺ :NaYF ₄ nanocrystals. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 1680-1684.	0.8	28
129	Integrated broadband near-infrared luminescence in transparent glass ceramics containing ³ Ga ₂ O ₃ : Ni ²⁺ and ² YF ₃ : Er ³⁺ nanocrystals. <i>Journal of Alloys and Compounds</i> , 2013, 552, 398-404.	2.8	28
130	Influence of structural evolution on fluorescence properties of transparent glass ceramics containing LaF ₃ nanocrystals. <i>Journal of Luminescence</i> , 2006, 118, 131-138.	1.5	27
131	Enhanced photoluminescence of Eu ³⁺ induced by energy transfer from In ₂ O ₃ nano-crystals embedded in glassy matrix. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 8774.	1.3	27
132	Structure and luminescence of Eu ³⁺ doped glass ceramics embedding ZnO quantum dots. <i>Ceramics International</i> , 2010, 36, 1091-1094.	2.3	27
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