Yuansheng Wang

List of Publications by Year
in descending order

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		18482	26613
199	13,361	62	107
papers	citations	h-index	g-index

205	205	205	9209
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A new-generation color converter for high-power white LED: transparent Ce³⁺ :YAG phosphor-in-glass. Laser and Photonics Reviews, 2014, 8, 158-164.	8.7	519
2	A Novel Optical Thermometry Strategy Based on Diverse Thermal Response from Two Intervalence Charge Transfer States. Advanced Functional Materials, 2016, 26, 3139-3145.	14.9	467
3	CaMg₂Al₁₆O₂₇:Mn⁴⁺-based Red Phosphor: A Potential Color Converter for High-Powered Warm W-LED. ACS Applied Materials & Interfaces, 2014, 6, 22905-22913.	8.0	393
4	Hydrothermal Synthesis, Structural Characteristics, and Enhanced Photocatalysis of SnO₂/Î±-Fe₂O₃ Semiconductor Nanoheterostructures. ACS Nano, 2010, 4, 681-688.	14.6	373
5	Quasicubic Î±-Fe2O3 Nanoparticles with Excellent Catalytic Performance. Journal of Physical Chemistry B, 2006, 110, 3093-3097.	2.6	332
6	Modifying the Size and Shape of Monodisperse Bifunctional Alkaline-Earth Fluoride Nanocrystals through Lanthanide Doping. Journal of the American Chemical Society, 2010, 132, 9976-9978.	13.7	293
7	Non-Rare-Earth BaMgAl_{10â€“2x}O₁₇:xMn⁴⁺,xMg²⁺: A Narrow-Band Red Phosphor for Use as a High-Power Warm w-LED. Chemistry of Materials, 2016, 28, 3515-3524.	6.7	290
8	Glass Ceramic Phosphors: Towards Longâ€Lifetime Highâ€Power White Lightâ€Emittingâ€Diode Applicationsâ€“A Review. Laser and Photonics Reviews, 2018, 12, 1700344.	8.7	256
9	A novel double-perovskite Gd₂ZnTiO₆:Mn⁴⁺red phosphor for UV-based w-LEDs: structure and luminescence properties. Journal of Materials Chemistry C, 2016, 4, 2374-2381.	5.5	240
10	Exploring the Different Photocatalytic Performance for Dye Degradations over Hexagonal ZnIn₂S₄ Microspheres and Cubic ZnIn₂S₄ Nanoparticles. ACS Applied Materials & Interfaces, 2012, 4, 2273-2279.	8.0	209
11	Tunable Red-Green Upconversion Luminescence in Novel Transparent Glass Ceramics Containing Er:Â NaYF4Nanocrystals. Journal of Physical Chemistry B, 2006, 110, 20843-20846.	2.6	206
12	Bright upconversion white light emission in transparent glass ceramic embedding Tm3+âˆ•Er3+âˆ•Yb3+:Î²-YF3 nanocrystals. Applied Physics Letters, 2007, 91, .	3.3	202
13	Strategy design for ratiometric luminescence thermometry: circumventing the limitation of thermally coupled levels. Journal of Materials Chemistry C, 2018, 6, 7462-7478.	5.5	194
14	Near-infrared quantum cutting in transparent nanostructured glass ceramics. Optics Letters, 2008, 33, 1884.	3.3	184
15	Yb3+/Er3+ co-doped CaMoO4: a promising green upconversion phosphor for optical temperature sensing. Journal of Alloys and Compounds, 2015, 639, 325-329.	5.5	176
16	Phosphor-in-Glass for High-Powered Remote-Type White AC-LED. ACS Applied Materials & Interfaces, 2014, 6, 21264-21269.	8.0	174
17	Lanthanide nanomaterials with photon management characteristics for photovoltaic application. Nano Energy, 2012, 1, 73-90.	16.0	162
18	Quantum cutting downconversion by cooperative energy transfer from Ce3+ to Yb3+ in borate glasses. Journal of Applied Physics, 2008, 104, .	2.5	153

#	Article	IF	Citations
19	Evolution of Single Crystalline Dendrites from Nanoparticles through Oriented Attachment. Journal of Physical Chemistry B, 2005, 109, 794-798.	2.6	152
20	High-security-level multi-dimensional optical storage medium: nanostructured glass embedded with LiGa5O8: Mn2+ with photostimulated luminescence. Light: Science and Applications, 2020, 9, 22.	16.6	152
21	Impurity doping: a novel strategy for controllable synthesis of functional lanthanide nanomaterials. Nanoscale, 2013, 5, 4621.	5.6	146
22	Intense ultraviolet upconversion luminescence from Tm3+âˆ•Yb3+:Î²-YF3 nanocrystals embedded glass ceramic. Applied Physics Letters, 2007, 91, .	3.3	145
23	Two-Step Self-Assembly of Nanodisks into Plate-Built Cylinders through Oriented Aggregation. Journal of Physical Chemistry B, 2005, 109, 11548-11551.	2.6	144
24	Bandgap Tailoring via Si Doping in Inverse-Garnet Mg₃Y₂Ge₃O₁₂:Ce³⁺ Persistent Phosphor Potentially Applicable in AC-LED. ACS Applied Materials & Interfaces, 2015, 7, 21835-21843.	8.0	143
25	Intervalence charge transfer state interfered Pr3+ luminescence: A novel strategy for high sensitive optical thermometry. Sensors and Actuators B: Chemical, 2017, 243, 137-143.	7.8	136
26	Chromaticity-tunable phosphor-in-glass for long-lifetime high-power warm w-LEDs. Journal of Materials Chemistry C, 2015, 3, 8080-8089.	5.5	134
27	Cooperative Energy Transfer Up-Conversion and Quantum Cutting Down-Conversion in Yb³⁺:TbF₃ Nanocrystals Embedded Glass Ceramics. Journal of Physical Chemistry C, 2009, 113, 6406-6410.	3.1	132
28	Metastable Î³-MnS Hierarchical Architectures:Â Synthesis, Characterization, and Growth Mechanism. Journal of Physical Chemistry B, 2006, 110, 8284-8288.	2.6	130
29	Ultra-small yellow defective TiO2 nanoparticles for co-catalyst free photocatalytic hydrogen production. Nano Energy, 2016, 24, 63-71.	16.0	129
30	Ultra-broadband near-infrared excitable upconversion core/shell nanocrystals. Chemical Communications, 2012, 48, 5898.	4.1	125
31	Color-tunable luminescence of Eu3+ in LaF3 embedded nanocomposite for light emitting diode. Acta Materialia, 2010, 58, 3035-3041.	7.9	122
32	Design, Preparation, and Characterization of a Novel Red Long-Persistent Perovskite Phosphor: Ca₃Ti₂O₇:Pr³⁺. Inorganic Chemistry, 2015, 54, 11299-11306.	4.0	122
33	Nonâ€Rareâ€Earth K₂XF₇:Mn⁴⁺ (X = Ta, Nb): A Highlyâ€Efficient Narrowâ€Band Red Phosphor Enabling the Application in Wideâ€Colorâ€Gamut LCD. Laser and Photonics Reviews, 2017, 11, 1700148.	8.7	120
34	A highly-distorted octahedron with a C_{2v}group symmetry inducing an ultra-intense zero phonon line in Mn⁴⁺-activated oxyfluoride Na₂WO₂F₄. Journal of Materials Chemistry C, 2017, 5, 10524-10532.	5.5	120
35	Luminescence study of a self-activated and rare earth activated Sr₃La(VO₄)₃phosphor potentially applicable in W-LEDs. Journal of Materials Chemistry C, 2015, 3, 3023-3028.	5.5	113
36	Dopant-induced phase transition: a new strategy of synthesizing hexagonal upconversion NaYF4 at low temperature. Chemical Communications, 2011, 47, 5801.	4.1	112

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37	Synthesis and magnetic properties of nickel ferrite nano-octahedra. Journal of Solid State Chemistry, 2005, 178, 2394-2397.	2.9	106
38	Ultraviolet-blue to near-infrared downconversion of Nd^3+-Yb^3+ couple. Optics Letters, 2010, 35, 220.	3.3	104
39	Phase transition from hexagonal LnF3 (Ln = La, Ce, Pr) to cubic Ln0.8M0.2F2.8 (M = Ca, Sr, Ba) nanocrystals with enhanced upconversion induced by alkaline-earth doping. Chemical Communications, 2011, 47, 2601.	4.1	97
40	Enhanced mid-infrared emissions of Er^3+ at 27â€‰Î¼m via Nd^3+ sensitization in chalcohalide glass. Optics Letters, 2011, 36, 1815.	3.3	97
41	Near-infrared quantum cutting in Ho^3+/Yb^3+ codoped nanostructured glass ceramic. Optics Letters, 2011, 36, 876.	3.3	96
42	Lu₂CaMg₂(Si_{1â^'x}Ge_x)₃O₁₂:Ce³⁺solid-solu phosphors: bandgap engineering for blue-light activated afterglow applicable to AC-LED. Journal of Materials Chemistry C, 2016, 4, 10329-10338.	5.5	92
43	Intrinsic single-band upconversion emission in colloidal Yb/Er(Tm):Na3Zr(Hf)F7 nanocrystals. Chemical Communications, 2012, 48, 10630.	4.1	91
44	Highly thermal-stable warm w-LED based on Ce:YAG PiG stacked with a red phosphor layer. Journal of Alloys and Compounds, 2015, 649, 661-665.	5.5	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. Journal of Materials Chemistry, 2012, 22, 2632-2640.	6.7	87
46	Modifying the size and uniformity of upconversion Yb/Er:NaGdF4 nanocrystals through alkaline-earth doping. Nanoscale, 2013, 5, 11298.	5.6	87
47	Broadband UV excitable near-infrared downconversion luminescence in Eu2+/Yb3+:CaF2 nanocrystals embedded glass ceramics. Journal of Alloys and Compounds, 2011, 509, 3363-3366.	5.5	85
48	Shape Control of Monodisperse CdS Nanocrystals:Â Hexagon and Pyramid. Journal of Physical Chemistry B, 2006, 110, 9448-9451.	2.6	81
49	Influences of Er3+ content on structure and upconversion emission of oxyfluoride glass ceramics containing CaF2 nanocrystals. Materials Chemistry and Physics, 2006, 95, 264-269.	4.0	81
50	Structure and Optical Spectroscopy of Eu-Doped Glass Ceramics Containing GdF₃ Nanocrystals. Journal of Physical Chemistry C, 2008, 112, 18943-18947.	3.1	81
51	Color-tunable luminescence for Bi3+/Ln3+:YVO4 (Ln = Eu, Sm, Dy, Ho) nanophosphors excitable by near-ultraviolet light. Physical Chemistry Chemical Physics, 2010, 12, 7775.	2.8	81
52	Structure and luminescence behavior of a single-ion activated single-phased Ba₂Y₃(SiO₄)₃F:Eu white-light phosphor. Journal of Materials Chemistry C, 2017, 5, 1789-1797.	5.5	81
53	Lanthanide activator doped NaYb1â^'xGdxF4 nanocrystals with tunable down-, up-conversion luminescence and paramagnetic properties. Journal of Materials Chemistry, 2011, 21, 6186.	6.7	79
54	Broadening the valid temperature range of optical thermometry through dual-mode design. Journal of Materials Chemistry C, 2018, 6, 11178-11183.	5.5	79

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55	Novel rare earth ions-doped oxyfluoride nano-composite with efficient upconversion white-light emission. Journal of Solid State Chemistry, 2008, 181, 2763-2767.	2.9	78
56	<scp><scp>Ce</scp></scp>³⁺/<scp><scp>Pr</scp></scp>³⁺: <scp>YAGG</scp>: A Long Persistent Phosphor Activated by Blueâ€Light. Journal of the American Ceramic Society, 2014, 97, 2539-2545.	3.8	78
57	Broadband near-infrared emission from Tm3+âˆ•Er3+ co-doped nanostructured glass ceramics. Journal of Applied Physics, 2007, 101, 113511.	2.5	71
58	Cr³⁺:SrGa₁₂O₁₉: A Broadband Nearâ€Infrared Longâ€Persistent Phosphor. Chemistry - an Asian Journal, 2014, 9, 1020-1025.	3.3	71
59	Optical spectroscopy of Eu3+ and Tb3+ doped glass ceramics containing LiYbF4 nanocrystals. Applied Physics Letters, 2009, 94, .	3.3	68
60	Highly Intensified Upconversion Luminescence of Ca²⁺â€doped Yb/Er:NaGdF₄ Nanocrystals Prepared by a Solvothermal Route. Chemistry - an Asian Journal, 2014, 9, 728-733.	3.3	68
61	CsPbBr₃/EuPO₄dual-phase devitrified glass for highly sensitive self-calibrating optical thermometry. Journal of Materials Chemistry C, 2018, 6, 9964-9971.	5.5	68
62	CsPb(Br,I)3 embedded glass: Fabrication, tunable luminescence, improved stability and wide-color gamut LCD application. Chemical Engineering Journal, 2019, 378, 122255.	12.7	65
63	Stable CsPbBr₃â€Glass Nanocomposite for Lowâ€Ã‰tendue Wideâ€Colorâ€Gamut Laserâ€Driven Projection Display. Laser and Photonics Reviews, 2021, 15, 2100044.	8.7	65
64	Inorganic halide perovskite quantum dot modified YAG-based white LEDs with superior performance. Journal of Materials Chemistry C, 2016, 4, 7601-7606.	5.5	64
65	Synthesis and visible light photocatalysis of Fe-doped TiO2 mesoporous layers deposited on hollow glass microbeads. Journal of Solid State Chemistry, 2009, 182, 2785-2790.	2.9	62
66	Energy transfer and up-conversion luminescence in Er3+/Yb3+ co-doped transparent glass ceramic containing YF3 nano-crystals. Ceramics International, 2009, 35, 2619-2623.	4.8	62
67	CeF_3-based glass ceramic: a potential luminescent host for white-light-emitting diode. Optics Letters, 2009, 34, 2882.	3.3	62
68	A novel high-sensitive upconversion thermometry strategy: Utilizing synergistic effect of dual-wavelength lasers excitation to manipulate electron thermal distribution. Sensors and Actuators B: Chemical, 2019, 278, 165-171.	7.8	62
69	Size-dependent abnormal thermo-enhanced luminescence of ytterbium-doped nanoparticles. Nanoscale, 2017, 9, 13794-13799.	5.6	61
70	Spectroscopic properties of Er3+ions in transparent oxyfluoride glass ceramics containing CaF2nano-crystals. Journal of Physics Condensed Matter, 2005, 17, 6545-6557.	1.8	59
71	Tuning of multicolor emissions in glass ceramics containing Î³-Ga2O3 and Î²-YF3 nanocrystals. Journal of Materials Chemistry C, 2013, 1, 1804.	5.5	57
72	MnS Hierarchical Hollow Spheres with Novel Shell Structure. Journal of Physical Chemistry B, 2006, 110, 24399-24402.	2.6	56

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73	Sn2+/Mn2+ codoped strontium phosphate (Sr2P2O7) phosphor for high temperature optical thermometry. Journal of Alloys and Compounds, 2018, 735, 1546-1552.	5.5	56
74	Microstructure and luminescence of transparent glass ceramic containing Er3+:BaF2 nano-crystals. Journal of Solid State Chemistry, 2006, 179, 532-537.	2.9	55
75	Partition, luminescence and energy transfer of Er3+/Yb3+ ions in oxyfluoride glass ceramic containing CaF2 nano-crystals. Optical Materials, 2007, 29, 1693-1699.	3.6	55
76	A Photostimulated BaSi₂O₅:Eu²⁺,Nd³⁺ Phosphorâ€inâ€Glass for Erasableâ€Rewritable Optical Storage Medium. Laser and Photonics Reviews, 2019, 13, 1900006.	8.7	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.	5.7	55
78	Enhanced emissions of Eu³⁺by energy transfer from ZnO quantum dots embedded in SiO₂glass. Nanotechnology, 2008, 19, 055711.	2.6	54
79	pH value-dependant growth of Î±-Fe2O3 hierarchical nanostructures. Journal of Crystal Growth, 2006, 294, 353-357.	1.5	53
80	CuGaS₂â€“ZnS pâ€“n nanoheterostructures: a promising visible light photo-catalyst for water-splitting hydrogen production. Nanoscale, 2016, 8, 16670-16676.	5.6	52
81	Color-tunable persistent luminescence in oxyfluoride glass and glass ceramic containing Mn²⁺:Î±-Zn₂SiO₄ nanocrystals. Journal of Materials Chemistry C, 2017, 5, 1479-1487.	5.5	52
82	Monodisperse upconversion Er3+/Yb3+:MFCl (M = Ca, Sr, Ba) nanocrystals synthesized via a seed-based chlorination route. Chemical Communications, 2011, 47, 11083.	4.1	51
83	Stress-induced CsPbBr3 nanocrystallization on glass surface: Unexpected mechanoluminescence and applications. Nano Research, 2019, 12, 1049-1054.	10.4	50
84	Influence of Yb3+ content on microstructure and fluorescence of oxyfluoride glass ceramics containing LaF3 nano-crystals. Materials Chemistry and Physics, 2007, 101, 464-469.	4.0	49
85	Nanocrystallization of lanthanide trifluoride in an aluminosilicate glass matrix: dimorphism and rare earth partition. CrystEngComm, 2009, 11, 1686.	2.6	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.	5.7	49
87	Fluorescence and Juddâ€“Ofelt analysis of Nd3+ ions in oxyfluoride glass ceramics containing CaF2 nanocrystals. Journal of Physics and Chemistry of Solids, 2007, 68, 193-200.	4.0	48
88	Transparent glass ceramic containing Er3+:CaF2 nano-crystals prepared by solâ€“gel method. Materials Letters, 2007, 61, 3988-3990.	2.6	48
89	Upconversion luminescence of Ho3+ sensitized by Yb3+ in transparent glass ceramic embedding BaYF5 nanocrystals. Materials Research Bulletin, 2010, 45, 1017-1020.	5.2	48
90	A new transparent oxyfluoride glass ceramic with improved luminescence. Journal of Non-Crystalline Solids, 2007, 353, 405-409.	3.1	46

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91	Sensitized thulium ultraviolet upconversion luminescence in Tm^3+/Yb^3+/Nd^3+ triply doped nanoglass ceramics. Optics Letters, 2007, 32, 3068.	3.3	45
92	Juddâ€“Ofelt analyses and luminescence of Er3+/Yb3+ co-doped transparent glass ceramics containing NaYF4 nanocrystals. Journal of Alloys and Compounds, 2010, 490, 74-77.	5.5	45
93	An active-core/active-shell structure with enhanced quantum-cutting luminescence in Prâ€“Yb co-doped monodisperse nanoparticles. Nanoscale, 2014, 6, 10500-10504.	5.6	45
94	Enhancing negative thermal quenching effect via low-valence doping in two-dimensional confined coreâ€“shell upconversion nanocrystals. Journal of Materials Chemistry C, 2018, 6, 11587-11592.	5.5	45
95	Hydrothermal synthesis and characterization of MnWO4 nanoplates and their ionic conductivity. Materials Chemistry and Physics, 2007, 103, 433-436.	4.0	44
96	Molecular-like Ag clusters sensitized near-infrared down-conversion luminescence in oxyfluoride glasses for broadband spectral modification. Applied Physics Letters, 2013, 103, .	3.3	44
97	Plasmon-driven N₂ photofixation in pure water over MoO_{3â^'x} nanosheets under visible to NIR excitation. Journal of Materials Chemistry A, 2020, 8, 2827-2835.	10.3	44
98	Upconversion emission of a novel glass ceramic containing Er3+: BaYF5 nano-crystals. Materials Letters, 2007, 61, 5022-5025.	2.6	43
99	Infrared luminescence of transparent glass ceramic containing Er3+:NaYF4 nanocrystals. Journal of Alloys and Compounds, 2009, 467, 317-321.	5.5	43
100	Luminescence in rare earth-doped transparent glass ceramics containing GdF3 nanocrystals for lighting applications. Journal of Materials Science, 2010, 45, 2775-2779.	3.7	43
101	A visible light active photocatalyst: Nano-composite with Fe-doped anatase TiO2 nanoparticles coupling with TiO2(B) nanobelts. Journal of Molecular Catalysis A, 2010, 326, 1-7.	4.8	43
102	Host-sensitized multicolor tunable luminescence of lanthanide ion doped one-dimensional YVO4 nano-crystals. Journal of Alloys and Compounds, 2011, 509, 3375-3381.	5.5	43
103	Synergistic effect of the rearranged sulfur vacancies and sulfur interstitials for 13-fold enhanced photocatalytic H2 production over defective Zn2In2S5 nanosheets. Applied Catalysis B: Environmental, 2019, 240, 270-276.	20.2	43
104	Crystallization behavior and microstructure investigations on LaF3 containing oxyfluoride glass ceramics. Journal of Non-Crystalline Solids, 2005, 351, 722-728.	3.1	42
105	Nd3+-sensitized upconversion white light emission of Tm3+/Ho3+ bridged by Yb3+ in Î²-YF3 nanocrystals embedded transparent glass ceramics. Journal of Applied Physics, 2010, 107, 103511.	2.5	42
106	Crystallization and fluorescence properties of Nd3+-doped transparent oxyfluoride glass ceramics. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 123, 1-6.	3.5	41
107	Abnormal thermally enhanced upconversion luminescence of lanthanide-doped phosphors: proposed mechanisms and potential applications. Journal of Materials Chemistry C, 2021, 9, 2220-2230.	5.5	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. Journal of the European Ceramic Society, 2018, 38, 1990-1997.	5.7	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.	17.4	40
110	Narrow-band red-emitting KZnF₃:Mn⁴⁺fluoroperovskites: insights into electronic/vibronic transition and thermal quenching behavior. Journal of Materials Chemistry C, 2018, 6, 10845-10854.	5.5	39
111	Abnormal size-dependent upconversion emissions and multi-color tuning in Er³⁺-doped CaF₂â€“YbF₃disordered solid-solution nanocrystals. Nanotechnology, 2013, 24, 085708.	2.6	38
112	Heating-induced abnormal increase in Yb³⁺ excited state lifetime and its potential application in lifetime luminescence nanothermometry. Inorganic Chemistry Frontiers, 2019, 6, 110-116.	6.0	38
113	Î²â€SiAlON:Eu²⁺ Phosphorâ€inâ€Glass Film: An Efficient Laserâ€Driven Color Converter for Highâ€Brightness Wideâ€Colorâ€Gamut Projection Displays. Laser and Photonics Reviews, 2021, 15, 2100317.	8.7	37
114	Toward Highâ€Quality Laserâ€Driven Lightings: Chromaticityâ€Tunable Phosphorâ€inâ€Glass Film with â€œPhosphor Patternâ€•Design. Laser and Photonics Reviews, 2022, 16, .	8.7	37
115	Dual-mode color tuning based on upconversion core/triple-shell nanostructure. Journal of Materials Chemistry C, 2019, 7, 3342-3350.	5.5	35
116	Improvement of Er3+ emissions in oxyfluoride glass ceramic nano-composite by thermal treatment. Journal of Solid State Chemistry, 2006, 179, 1445-1452.	2.9	34
117	Microstructures and upconversion luminescence of Er3+ doped and Er3+/Yb3+ co-doped oxyfluoride glass ceramics. Materials Chemistry and Physics, 2007, 101, 234-237.	4.0	34
118	Enhanced luminescence in Ce3+/Dy3+: Sr3Y2(BO3)4 phosphors via energy transfer. Materials Research Bulletin, 2013, 48, 1957-1960.	5.2	34
119	Formation of AgGaS2 nano-pyramids from Ag2S nanospheres through intermediate Ag2Sâ€“AgGaS2 heterostructures and AgGaS2 sensitized Mn2+ emission. Nanoscale, 2014, 6, 2340.	5.6	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.	7.8	33
121	SnO2/Î±-Fe2O3 nanoheterostructure with novel architecture: structural characteristics and photocatalytic properties. CrystEngComm, 2011, 13, 4873.	2.6	32
122	Synthesis and shape evolution of Î±-Fe2O3 nanophase through two-step oriented aggregation in solvothermal system. Journal of Crystal Growth, 2005, 284, 221-225.	1.5	31
123	Multiple branched Î±-MnO2 nanofibers: A two-step epitaxial growth. Journal of Crystal Growth, 2006, 286, 156-161.	1.5	30
124	Novel Nanocrystal Heterostructures: Crystallographic-Oriented Growth of SnO₂ Nanorods onto Î±-Fe₂O₃ Nanohexahedron. Crystal Growth and Design, 2008, 8, 1727-1729.	3.0	30
125	Thermo-enhanced upconversion luminescence in inert-core/active-shell UCNPs: the inert core matters. Nanoscale, 2021, 13, 6569-6576.	5.6	30
126	Design of Ratiometric Dualâ€Emitting Mechanoluminescence: Lanthanide/Transitionâ€Metal Combination Strategy. Laser and Photonics Reviews, 2022, 16, .	8.7	30

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127	Investigation on crystallization kinetics and microstructure of novel transparent glass ceramics containing Nd:NaYF4 nano-crystals. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2007, 136, 106-110.	3.5	29
128	Highly efficient nearâ€infrared to visible upconversion luminescence in transparent glass ceramics containing Yb³⁺/Er³⁺:NaYF₄ nanocrystals. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 1680-1684.	1.8	28
129	Integrated broadband near-infrared luminescence in transparent glass ceramics containing Î³-Ga2O3: Ni2+ and Î²-YF3: Er3+ nanocrystals. Journal of Alloys and Compounds, 2013, 552, 398-404.	5.5	28
130	Influence of structural evolution on fluorescence properties of transparent glass ceramics containing LaF3 nanocrystals. Journal of Luminescence, 2006, 118, 131-138.	3.1	27
131	Enhanced photoluminescence of Eu3+ induced by energy transfer from In2O3 nano-crystals embedded in glassy matrix. Physical Chemistry Chemical Physics, 2009, 11, 8774.	2.8	27
132	Structure and luminescence of Eu3+ doped glass ceramics embedding ZnO quantum dots. Ceramics International, 2010, 36, 1091-1094.	4.8	27
133	Crystallization and spectroscopic properties investigations of Er3+ doped transparent glass ceramics containing CaF2. Materials Research Bulletin, 2006, 41, 217-224.	5.2	26
134	Investigation on crystallization and influence of Nd3+ doping of transparent oxyfluoride glass-ceramics. Journal of the European Ceramic Society, 2006, 26, 2761-2767.	5.7	25
135	A blue-emitting Sc silicate phosphor for ultraviolet excited light-emitting diodes. Physical Chemistry Chemical Physics, 2015, 17, 27292-27299.	2.8	25
136	Host sensitization of Mn⁴⁺ in selfâ€activated Na₂WO₂F₄:Mn⁴⁺. Journal of the American Ceramic Society, 2018, 101, 3437-3442.	3.8	23
137	Crystallization and structural evolution of YF3â€“SiO2 xerogel. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 127, 218-223.	3.5	22
138	Controllable synthesis of metal selenide heterostructures mediated by Ag2Se nanocrystals acting as catalysts. Nanoscale, 2013, 5, 9714.	5.6	22
139	Perceiving Linear-Velocity by Multiphoton Upconversion. ACS Applied Materials & Interfaces, 2019, 11, 46379-46385.	8.0	22
140	A solid-state colorimetric fluorescence Pb²⁺-sensing scheme: mechanically-driven CsPbBr₃ nanocrystallization in glass. Nanoscale, 2020, 12, 8801-8808.	5.6	22
141	Crystallization behavior of PbF2â€“SiO2 based bulk xerogels. Journal of Non-Crystalline Solids, 2004, 347, 31-38.	3.1	21
142	Cu1.94Sâ€“MnS dimeric nanoheterostructures with bifunctions: localized surface plasmon resonance and magnetism. CrystEngComm, 2013, 15, 4217.	2.6	21
143	Phase transition and multicolor luminescence of Eu2+/Mn2+-activated Ca3(PO4)2 phosphors. Materials Research Bulletin, 2014, 49, 677-681.	5.2	21
144	Doped polyaniline-hybridized tungsten oxide nanocrystals as hole injection layers for efficient organic light-emitting diodes. Journal of Materials Chemistry C, 2018, 6, 7242-7248.	5.5	21

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145	Luminescence of an Er3+-doped glass matrix containing CdS quantum dots. Scripta Materialia, 2006, 55, 891-894.	5.2	20
146	A plasmonic nano-antenna with controllable resonance frequency: Cu1.94Sâ€“ZnS dimeric nanoheterostructure synthesized in solution. Journal of Materials Chemistry, 2012, 22, 22614.	6.7	20
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