

Yuansheng Wang

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195
papers

11,085
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97
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205
ext. papers

12,282
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
195	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	8.3	399
194	Hydrothermal synthesis, structural characteristics, and enhanced photocatalysis of SnO(2)/alpha-Fe(2)O(3) semiconductor nanoheterostructures. <i>ACS Nano</i> , 2010 , 4, 681-8	16.7	348
193	CaMgAl ₁₀ O ₁₇ :Mn ²⁺ -based red phosphor: a potential color converter for high-powered warm W-LED. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 22905-13	9.5	336
192	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	15.6	327
191	Quasicubic alpha-Fe ₂ O ₃ nanoparticles with excellent catalytic performance. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 3093-7	3.4	305
190	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, 9976-8	16.4	269
189	Non-Rare-Earth BaMgAl ₁₀ O ₁₇ :xMn ⁴⁺ ,xMg ²⁺ : A Narrow-Band Red Phosphor for Use as a High-Power Warm w-LED. <i>Chemistry of Materials</i> , 2016 , 28, 3515-3524	9.6	251
188	Tunable red-green upconversion luminescence in novel transparent glass ceramics containing Er: NaYF ₄ nanocrystals. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 20843-6	3.4	196
187	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	7.1	191
186	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, 251903	3.4	188
185	Glass Ceramic Phosphors: Towards Long-Lifetime High-Power White Light-Emitting-Diode Applications. A Review. <i>Laser and Photonics Reviews</i> , 2018 , 12, 1700344	8.3	173
184	Near-infrared quantum cutting in transparent nanostructured glass ceramics. <i>Optics Letters</i> , 2008 , 33, 1884-6	3	173
183	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, 2273-9	9.5	158
182	Evolution of single crystalline dendrites from nanoparticles through oriented attachment. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 794-8	3.4	147
181	Lanthanide nanomaterials with photon management characteristics for photovoltaic application. <i>Nano Energy</i> , 2012 , 1, 73-90	17.1	144
180	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	5.7	142
179	Phosphor-in-glass for high-powered remote-type white AC-LED. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 21264-9	9.5	142

178	Two-step self-assembly of nanodisks into plate-built cylinders through oriented aggregation. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 11548-51	3.4	141
177	Intense ultraviolet upconversion luminescence from Tm ³⁺ /Yb ³⁺ :ErF ₃ nanocrystals embedded glass ceramic. <i>Applied Physics Letters</i> , 2007 , 91, 051920	3.4	135
176	Impurity doping: a novel strategy for controllable synthesis of functional lanthanide nanomaterials. <i>Nanoscale</i> , 2013 , 5, 4621-37	7.7	127
175	Cooperative Energy Transfer Up-Conversion and Quantum Cutting Down-Conversion in Yb ³⁺ :TbF ₃ Nanocrystals Embedded Glass Ceramics. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 6406-6410	3.8	124
174	Strategy design for ratiometric luminescence thermometry: circumventing the limitation of thermally coupled levels. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 7462-7478	7.1	124
173	Metastable gamma-MnS hierarchical architectures: synthesis, characterization, and growth mechanism. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 8284-8	3.4	122
172	Ultra-broadband near-infrared excitable upconversion core/shell nanocrystals. <i>Chemical Communications</i> , 2012 , 48, 5898-900	5.8	118
171	Chromaticity-tunable phosphor-in-glass for long-lifetime high-power warm w-LEDs. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 8080-8089	7.1	114
170	Color-tunable luminescence of Eu ³⁺ in LaF ₃ embedded nanocomposite for light emitting diode. <i>Acta Materialia</i> , 2010 , 58, 3035-3041	8.4	111
169	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. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 21835-43	9.5	109
168	Intervalence charge transfer state interfered Pr ³⁺ luminescence: A novel strategy for high sensitive optical thermometry. <i>Sensors and Actuators B: Chemical</i> , 2017 , 243, 137-143	8.5	105
167	Dopant-induced phase transition: a new strategy of synthesizing hexagonal upconversion NaYF ₄ at low temperature. <i>Chemical Communications</i> , 2011 , 47, 5801-3	5.8	100
166	Ultraviolet-blue to near-infrared downconversion of Nd(3+)-Yb(3+) couple. <i>Optics Letters</i> , 2010 , 35, 220-3		96
165	Non-Rare-Earth K ₂ XF ₇ :Mn ⁴⁺ (X = Ta, Nb): A Highly-Efficient Narrow-Band Red Phosphor Enabling the Application in Wide-Color-Gamut LCD. <i>Laser and Photonics Reviews</i> , 2017 , 11, 1700148	8.3	94
164	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, 2601-3	5.8	93
163	Ultra-small yellow defective TiO ₂ nanoparticles for co-catalyst free photocatalytic hydrogen production. <i>Nano Energy</i> , 2016 , 24, 63-71	17.1	93
162	Synthesis and magnetic properties of nickel ferrite nano-octahedra. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 2394-2397	3.3	92
161	Design, Preparation, and Characterization of a Novel Red Long-Persistent Perovskite Phosphor: Ca ₃ Ti ₂ O ₇ :Pr ³⁺ . <i>Inorganic Chemistry</i> , 2015 , 54, 11299-306	5.1	91

160	Luminescence study of a self-activated and rare earth activated Sr ₃ La(VO ₄) ₃ phosphor potentially applicable in W-LEDs. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 3023-3028	7.1	91
159	Near-infrared quantum cutting in Ho ³⁺ /Yb ³⁺ codoped nanostructured glass ceramic. <i>Optics Letters</i> , 2011 , 36, 876-8	3	90
158	Enhanced mid-infrared emissions of Er ³⁺ at 2.7 μ m via Nd ³⁺ sensitization in chalcogenide glass. <i>Optics Letters</i> , 2011 , 36, 1815-7	3	86
157	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 . <i>Journal of Materials Chemistry C</i> , 2017 , 5, 10524-10532	7.1	85
156	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		81
155	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	5.8	80
154	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	5.7	79
153	Modifying the size and uniformity of upconversion Yb/Er:NaGdF ₄ nanocrystals through alkaline-earth doping. <i>Nanoscale</i> , 2013 , 5, 11298-305	7.7	78
152	Structure and Optical Spectroscopy of Eu-Doped Glass Ceramics Containing GdF ₃ Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 18943-18947	3.8	75
151	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	4.4	75
150	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	5.7	73
149	High-security-level multi-dimensional optical storage medium: nanostructured glass embedded with LiGaO ₃ : Mn with photostimulated luminescence. <i>Light: Science and Applications</i> , 2020 , 9, 22	16.7	73
148	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		73
147	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, 7775-8	3.6	73
146	Shape control of monodisperse CdS nanocrystals: hexagon and pyramid. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 9448-51	3.4	73
145	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	3.3	72
144	Broadband near-infrared emission from Tm ³⁺ /Er ³⁺ co-doped nanostructured glass ceramics. <i>Journal of Applied Physics</i> , 2007 , 101, 113511	2.5	70
143	Optical spectroscopy of Eu ³⁺ and Tb ³⁺ doped glass ceramics containing LiYbF ₄ nanocrystals. <i>Applied Physics Letters</i> , 2009 , 94, 041909	3.4	67

142	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	7.1	65
141	Ce ³⁺ /Pr ³⁺ : YAGG: A Long Persistent Phosphor Activated by Blue-Light. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 2539-2545	3.8	64
140	Lu ₂ CaMg ₂ (Si _{1-x} Gex) 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	7.1	63
139	CeF ₃ -based glass ceramic: a potential luminescent host for white-light-emitting diode. <i>Optics Letters</i> , 2009 , 34, 2882-4	3	61
138	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	3.3	60
137	Energy transfer and up-conversion luminescence in Er ³⁺ /Yb ³⁺ co-doped transparent glass ceramic containing YF ₃ nano-crystals. <i>Ceramics International</i> , 2009 , 35, 2619-2623	5.1	60
136	Highly intensified upconversion luminescence of Ca(2+) -doped Yb/Er:NaGdF(4) nanocrystals prepared by a solvothermal route. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 728-33	4.5	58
135	MnS hierarchical hollow spheres with novel shell structure. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 24399-402	3.4	55
134	Inorganic halide perovskite quantum dot modified YAG-based white LEDs with superior performance. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 7601-7606	7.1	53
133	Cr ³⁺ :SrGa ₂ F ₈ broadband near-infrared long-persistent phosphor. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 1020-5	4.5	53
132	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	1.8	52
131	pH value-dependant growth of Fe ₂ O ₃ hierarchical nanostructures. <i>Journal of Crystal Growth</i> , 2006 , 294, 353-357	1.6	52
130	Tuning of multicolor emissions in glass ceramics containing BaGa ₂ O ₃ and YF ₃ nanocrystals. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 1804	7.1	50
129	Monodisperse upconversion Er ³⁺ /Yb ³⁺ :MFCl (M = Ca, Sr, Ba) nanocrystals synthesized via a seed-based chlorination route. <i>Chemical Communications</i> , 2011 , 47, 11083-5	5.8	50
128	Microstructure and luminescence of transparent glass ceramic containing Er ³⁺ :BaF ₂ nano-crystals. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 532-537	3.3	50
127	Broadening the valid temperature range of optical thermometry through dual-mode design. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 11178-11183	7.1	49
126	Enhanced emissions of Eu(3+) by energy transfer from ZnO quantum dots embedded in SiO ₂ glass. <i>Nanotechnology</i> , 2008 , 19, 055711	3.4	48
125	Nanocrystallization of lanthanide trifluoride in an aluminosilicate glass matrix: dimorphism and rare earth partition. <i>CrystEngComm</i> , 2009 , 11, 1686	3.3	47

124	Partition, luminescence and energy transfer of Er ³⁺ /Yb ³⁺ ions in oxyfluoride glass ceramic containing CaF ₂ nano-crystals. <i>Optical Materials</i> , 2007 , 29, 1693-1699	3-3	47
123	Fluorescence and Judd-Ofelt analysis of Nd ³⁺ ions in oxyfluoride glass ceramics containing CaF ₂ nanocrystals. <i>Journal of Physics and Chemistry of Solids</i> , 2007 , 68, 193-200	3-9	46
122	CuGaS-ZnS p-n nanoheterostructures: a promising visible light photo-catalyst for water-splitting hydrogen production. <i>Nanoscale</i> , 2016 , 8, 16670-16676	7-7	45
121	Sensitized thulium ultraviolet upconversion luminescence in Tm ³⁺ /Yb ³⁺ /Nd ³⁺ triply doped nanoglass ceramics. <i>Optics Letters</i> , 2007 , 32, 3068-70	3	45
120	A new transparent oxyfluoride glass ceramic with improved luminescence. <i>Journal of Non-Crystalline Solids</i> , 2007 , 353, 405-409	3-9	45
119	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	5-7	44
118	Hydrothermal synthesis and characterization of MnWO ₄ nanoplates and their ionic conductivity. <i>Materials Chemistry and Physics</i> , 2007 , 103, 433-436	4-4	44
117	Sn ²⁺ /Mn ²⁺ codoped strontium phosphate (Sr ₂ P ₂ O ₇) phosphor for high temperature optical thermometry. <i>Journal of Alloys and Compounds</i> , 2018 , 735, 1546-1552	5-7	44
116	Influence of Yb ³⁺ content on microstructure and fluorescence of oxyfluoride glass ceramics containing LaF ₃ nano-crystals. <i>Materials Chemistry and Physics</i> , 2007 , 101, 464-469	4-4	43
115	CsPb(Br,I) ₃ embedded glass: Fabrication, tunable luminescence, improved stability and wide-color gamut LCD application. <i>Chemical Engineering Journal</i> , 2019 , 378, 122255	14-7	42
114	Upconversion luminescence of Ho ³⁺ sensitized by Yb ³⁺ in transparent glass ceramic embedding BaYF ₅ nanocrystals. <i>Materials Research Bulletin</i> , 2010 , 45, 1017-1020	5-1	42
113	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	8-5	42
112	Size-dependent abnormal thermo-enhanced luminescence of ytterbium-doped nanoparticles. <i>Nanoscale</i> , 2017 , 9, 13794-13799	7-7	41
111	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		41
110	Upconversion emission of a novel glass ceramic containing Er ³⁺ : BaYF ₅ nano-crystals. <i>Materials Letters</i> , 2007 , 61, 5022-5025	3-3	41
109	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	4-3	40
108	Transparent glass ceramic containing Er ³⁺ :CaF ₂ nano-crystals prepared by sol-gel method. <i>Materials Letters</i> , 2007 , 61, 3988-3990	3-3	40
107	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	3-1	40

106	An active-core/active-shell structure with enhanced quantum-cutting luminescence in Pr-Yb co-doped monodisperse nanoparticles. <i>Nanoscale</i> , 2014 , 6, 10500-4	7.7	39
105	Molecular-like Ag clusters sensitized near-infrared down-conversion luminescence in oxyfluoride glasses for broadband spectral modification. <i>Applied Physics Letters</i> , 2013 , 103, 091902	3.4	39
104	Nd ³⁺ -sensitized upconversion white light emission of Tm ³⁺ /Ho ³⁺ bridged by Yb ³⁺ in ErF_3 nanocrystals embedded transparent glass ceramics. <i>Journal of Applied Physics</i> , 2010 , 107, 103511	2.5	39
103	Infrared luminescence of transparent glass ceramic containing Er ³⁺ :NaYF ₄ nanocrystals. <i>Journal of Alloys and Compounds</i> , 2009 , 467, 317-321	5.7	39
102	Crystallization behavior and microstructure investigations on LaF ₃ containing oxyfluoride glass ceramics. <i>Journal of Non-Crystalline Solids</i> , 2005 , 351, 722-728	3.9	39
101	Color-tunable persistent luminescence in oxyfluoride glass and glass ceramic containing Mn ²⁺ :Zn ₂ SiO ₄ nanocrystals. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 1479-1487	7.1	37
100	A chromaticity-tunable garnet-based phosphor-in-glass color converter applicable in w-LED. <i>Journal of the European Ceramic Society</i> , 2016 , 36, 1723-1729	6	37
99	CsPbBr ₃ /EuPO ₄ dual-phase devitrified glass for highly sensitive self-calibrating optical thermometry. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 9964-9971	7.1	37
98	A Photostimulated BaSi ₂ O ₅ :Eu ²⁺ ,Nd ³⁺ Phosphor-in-Glass for Erasable-Rewritable Optical Storage Medium. <i>Laser and Photonics Reviews</i> , 2019 , 13, 1900006	8.3	35
97	Abnormal size-dependent upconversion emissions and multi-color tuning in Er ³⁺ -doped CaF ₂ -YbF ₃ disordered solid-solution nanocrystals. <i>Nanotechnology</i> , 2013 , 24, 085708	3.4	35
96	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	5.7	35
95	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	7.1	33
94	SnO ₂ /Fe ₂ O ₃ nanoheterostructure with novel architecture: structural characteristics and photocatalytic properties. <i>CrystEngComm</i> , 2011 , 13, 4873	3.3	32
93	Improvement of Er ³⁺ emissions in oxyfluoride glass ceramic nano-composite by thermal treatment. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 1445-1452	3.3	31
92	Enhanced luminescence in Ce ³⁺ /Dy ³⁺ : Sr ₃ Y ₂ (BO ₃) ₄ phosphors via energy transfer. <i>Materials Research Bulletin</i> , 2013 , 48, 1957-1960	5.1	30
91	X-ray excited CsPb(Cl,Br) ₃ perovskite quantum dots-glass composite with long-lifetime. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 2234-2238	6	30
90	Dual-mode color tuning based on upconversion core/triple-shell nanostructure. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 3342-3350	7.1	29
89	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	6	29

88	Formation of AgGaS ₂ nano-pyramids from Ag ₂ S nanospheres through intermediate Ag ₂ S-AgGaS ₂ heterostructures and AgGaS ₂ sensitized Mn ²⁺ emission. <i>Nanoscale</i> , 2014 , 6, 2340-4	7.7	29
87	Novel Nanocrystal Heterostructures: Crystallographic-Oriented Growth of SnO ₂ Nanorods onto β -Fe ₂ O ₃ Nanohexahedron. <i>Crystal Growth and Design</i> , 2008 , 8, 1727-1729	3.5	29
86	Multiple branched β -MnO ₂ nanofibers: A two-step epitaxial growth. <i>Journal of Crystal Growth</i> , 2006 , 286, 156-161	1.6	29
85	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	21.8	29
84	Stress-induced CsPbBr ₃ nanocrystallization on glass surface: Unexpected mechanoluminescence and applications. <i>Nano Research</i> , 2019 , 12, 1049-1054	10	28
83	Microstructures and upconversion luminescence of Er ³⁺ doped and Er ³⁺ /Yb ³⁺ co-doped oxyfluoride glass ceramics. <i>Materials Chemistry and Physics</i> , 2007 , 101, 234-237	4.4	28
82	Synthesis and shape evolution of β -Fe ₂ O ₃ nanophase through two-step oriented aggregation in solvothermal system. <i>Journal of Crystal Growth</i> , 2005 , 284, 221-225	1.6	28
81	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	3.1	27
80	Influence of structural evolution on fluorescence properties of transparent glass ceramics containing LaF ₃ nanocrystals. <i>Journal of Luminescence</i> , 2006 , 118, 131-138	3.8	26
79	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, 8774-8	3.6	25
78	Structure and luminescence of Eu ³⁺ doped glass ceramics embedding ZnO quantum dots. <i>Ceramics International</i> , 2010 , 36, 1091-1094	5.1	25
77	Crystallization and spectroscopic properties investigations of Er ³⁺ doped transparent glass ceramics containing CaF ₂ . <i>Materials Research Bulletin</i> , 2006 , 41, 217-224	5.1	25
76	Heating-induced abnormal increase in Yb ³⁺ excited state lifetime and its potential application in lifetime luminescence nanothermometry. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 110-116	6.8	25
75	A blue-emitting Sc silicate phosphor for ultraviolet excited light-emitting diodes. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 27292-9	3.6	24
74	Integrated broadband near-infrared luminescence in transparent glass ceramics containing β -Ga ₂ O ₃ : Ni ²⁺ and β -YF ₃ : Er ³⁺ nanocrystals. <i>Journal of Alloys and Compounds</i> , 2013 , 552, 398-404	5.7	24
73	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	1.6	24
72	Towards ultra-high sensitive colorimetric nanothermometry: Constructing thermal coupling channel for electronically independent levels. <i>Sensors and Actuators B: Chemical</i> , 2018 , 256, 498-503	8.5	23
71	Investigation on crystallization and influence of Nd ³⁺ doping of transparent oxyfluoride glass-ceramics. <i>Journal of the European Ceramic Society</i> , 2006 , 26, 2761-2767	6	23

70	Narrow-band red-emitting KZnF ₃ :Mn ⁴⁺ fluoroperovskites: insights into electronic/vibronic transition and thermal quenching behavior. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 10845-10854	7.1	23
69	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	13	22
68	Controllable synthesis of metal selenide heterostructures mediated by Ag ₂ Se nanocrystals acting as catalysts. <i>Nanoscale</i> , 2013 , 5, 9714-9	7.7	21
67	Crystallization behavior of PbF ₂ BiO ₂ based bulk xerogels. <i>Journal of Non-Crystalline Solids</i> , 2004 , 347, 31-38	3.9	21
66	Crystallization and structural evolution of YF ₃ BiO ₂ xerogel. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2006 , 127, 218-223	3.1	20
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64	Syntheses and optical properties of monodisperse BaLnF ₅ (Ln = La, Lu, Y) nanocrystals. <i>Journal of Alloys and Compounds</i> , 2012 , 540, 27-31	5.7	18
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