

# Yuansheng Wang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

195  
papers

11,085  
citations

60  
h-index

97  
g-index

205  
ext. papers

12,282  
ext. citations

5.5  
avg, IF

6.44  
L-index

#	Paper	IF	Citations
195	Patterned glass ceramic design for high-brightness high-color-quality laser-driven lightings. <i>Journal of Advanced Ceramics</i> , <b>2022</b> , 11, 862	10.7	5
194	Laser-direct-writing of molecule-like Ag nanoclusters in transparent tellurite glass for 3D volumetric optical storage. <i>Nanoscale</i> , <b>2021</b> , 13, 19663-19670	7.7	2
193	Stable CsPbBr <sub>3</sub> -Glass Nanocomposite for Low-Endue Wide-Color-Gamut Laser-Driven Projection Display. <i>Laser and Photonics Reviews</i> , <b>2021</b> , 15, 2100044	8.3	17
192	Thermo-enhanced upconversion luminescence in inert-core/active-shell UCNPs: the inert core matters. <i>Nanoscale</i> , <b>2021</b> , 13, 6569-6576	7.7	7
191	ESiALON:Eu <sup>2+</sup> Phosphor-in-Glass Film: An Efficient Laser-Driven Color Converter for High-Brightness Wide-Color-Gamut Projection Displays. <i>Laser and Photonics Reviews</i> , <b>2021</b> , 15, 2100317	8.3	12
190	Abnormal thermally enhanced upconversion luminescence of lanthanide-doped phosphors: proposed mechanisms and potential applications. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 2220-2230	7.1	17
189	A solid-state colorimetric fluorescence Pb-sensing scheme: mechanically-driven CsPbBr <sub>3</sub> nanocrystallization in glass. <i>Nanoscale</i> , <b>2020</b> , 12, 8801-8808	7.7	10
188	Utilizing Au <sub>2</sub> S heterodimer to intensify upconversion emission of NaGdF <sub>4</sub> :Yb/Er nanocrystals. <i>Journal of Materials Science</i> , <b>2020</b> , 55, 6891-6902	4.3	7
187	High-security-level multi-dimensional optical storage medium: nanostructured glass embedded with LiGaO <sub>3</sub> : Mn with photostimulated luminescence. <i>Light: Science and Applications</i> , <b>2020</b> , 9, 22	16.7	73
186	Pumping-controlled multicolor modulation of upconversion emission for dual-mode dynamic anti-counterfeiting. <i>Nanophotonics</i> , <b>2020</b> , 9, 1519-1528	6.3	5
185	Plasmon-driven N <sub>2</sub> photofixation in pure water over MoO <sub>3</sub> nanosheets under visible to NIR excitation. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 2827-2835	13	22
184	X-ray excited CsPb(Cl,Br) <sub>3</sub> perovskite quantum dots-glass composite with long-lifetime. <i>Journal of the European Ceramic Society</i> , <b>2020</b> , 40, 2234-2238	6	30
183	Nanostructured NdF <sub>3</sub> glass ceramic: An efficient bandpass color filter for wide-color-gamut white LED. <i>Journal of the European Ceramic Society</i> , <b>2019</b> , 39, 2155-2160	6	15
182	Boosting single-band red upconversion luminescence in colloidal NaErF <sub>4</sub> nanocrystals: Effects of doping and inert shell. <i>Journal of Rare Earths</i> , <b>2019</b> , 37, 573-579	3.7	8
181	Color-filtered phosphor-in-glass for LED-lit LCD with wide color gamut. <i>Ceramics International</i> , <b>2019</b> , 45, 14432-14438	5.1	15
180	Stress-induced CsPbBr <sub>3</sub> nanocrystallization on glass surface: Unexpected mechanoluminescence and applications. <i>Nano Research</i> , <b>2019</b> , 12, 1049-1054	10	28
179	In-situ creating elastic lattice OO bonds over semicrystalline yellow TiO <sub>2</sub> nanoparticles for significantly enhanced photocatalytic H <sub>2</sub> production. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 374, 287-295	12.8	6

178	A Photostimulated BaSi2O5:Eu2+,Nd3+ Phosphor-in-Glass for Erasable-Rewritable Optical Storage Medium. <i>Laser and Photonics Reviews</i> , <b>2019</b> , 13, 1900006	8.3	35
177	Dual-mode color tuning based on upconversion core/triple-shell nanostructure. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 3342-3350	7.1	29
176	CsPb(Br,I)3 embedded glass: Fabrication, tunable luminescence, improved stability and wide-color gamut LCD application. <i>Chemical Engineering Journal</i> , <b>2019</b> , 378, 122255	14.7	42
175	Perceiving Linear-Velocity by Multiphoton Upconversion. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 46379-46385	9.5	14
174	The synergistic role of double vacancies within AgGaS2 nanocrystals in carrier separation and transfer for efficient photocatalytic hydrogen evolution. <i>Catalysis Science and Technology</i> , <b>2019</b> , 9, 5838-5844	5.5	5
173	Synergistic effect of the rearranged sulfur vacancies and sulfur interstitials for 13-fold enhanced photocatalytic H2 production over defective Zn2In2S5 nanosheets. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 240, 270-276	21.8	29
172	Heating-induced abnormal increase in Yb3+ excited state lifetime and its potential application in lifetime luminescence nanothermometry. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 110-116	6.8	25
171	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> , <b>2019</b> , 278, 165-171	8.5	42
170	Host sensitization of Mn4+ in self-activated Na2WO2F4:Mn4+. <i>Journal of the American Ceramic Society</i> , <b>2018</b> , 101, 3437-3442	3.8	17
169	Glass Ceramic Phosphors: Towards Long-Lifetime High-Power White Light-Emitting-Diode Applications. A Review. <i>Laser and Photonics Reviews</i> , <b>2018</b> , 12, 1700344	8.3	173
168	Towards ultra-high sensitive colorimetric nanothermometry: Constructing thermal coupling channel for electronically independent levels. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 256, 498-503	8.5	23
167	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> , <b>2018</b> , 38, 1990-1997	6	29
166	CsPbBr3/EuPO4 dual-phase devitrified glass for highly sensitive self-calibrating optical thermometry. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 9964-9971	7.1	37
165	Doped polyaniline-hybridized tungsten oxide nanocrystals as hole injection layers for efficient organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 7242-7248	7.1	16
164	Sn2+/Mn2+ codoped strontium phosphate (Sr2P2O7) phosphor for high temperature optical thermometry. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 735, 1546-1552	5.7	44
163	Enhancing negative thermal quenching effect via low-valence doping in two-dimensional confined core-shell upconversion nanocrystals. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 11587-11592	7.1	33
162	Broadening the valid temperature range of optical thermometry through dual-mode design. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 11178-11183	7.1	49
161	Narrow-band red-emitting KZnF3:Mn4+ fluoroperovskites: insights into electronic/vibronic transition and thermal quenching behavior. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 10845-10854	7.1	23

160	Strategy design for ratiometric luminescence thermometry: circumventing the limitation of thermally coupled levels. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 7462-7478	7.1	124
159	Color-tunable persistent luminescence in oxyfluoride glass and glass ceramic containing Mn <sup>2+</sup> :Zn <sub>2</sub> SiO <sub>4</sub> nanocrystals. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 1479-1487	7.1	37
158	Structure and luminescence behavior of a single-ion activated single-phased Ba <sub>2</sub> Y <sub>3</sub> (SiO <sub>4</sub> ) <sub>3</sub> F:Eu white-light phosphor. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 1789-1797	7.1	65
157	Solution Growth of Modified Ultrathin W/O Nanobelts with Enhanced Chemical Activity against Alkylamine Radicals. <i>Chemistry - an Asian Journal</i> , <b>2017</b> , 12, 524-529	4.5	5
156	Non-Rare-Earth K <sub>2</sub> XF <sub>7</sub> :Mn <sup>4+</sup> (X = Ta, Nb): A Highly-Efficient Narrow-Band Red Phosphor Enabling the Application in Wide-Color-Gamut LCD. <i>Laser and Photonics Reviews</i> , <b>2017</b> , 11, 1700148	8.3	94
155	Size-dependent abnormal thermo-enhanced luminescence of ytterbium-doped nanoparticles. <i>Nanoscale</i> , <b>2017</b> , 9, 13794-13799	7.7	41
154	A highly-distorted octahedron with a C <sub>2v</sub> group symmetry inducing an ultra-intense zero phonon line in Mn <sup>4+</sup> -activated oxyfluoride Na <sub>2</sub> WO <sub>2</sub> F <sub>4</sub> . <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 10524-10532	7.1	85
153	Intervalence charge transfer state interfered Pr <sup>3+</sup> luminescence: A novel strategy for high sensitive optical thermometry. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 243, 137-143	8.5	105
152	CuGaS-ZnS p-n nanoheterostructures: a promising visible light photo-catalyst for water-splitting hydrogen production. <i>Nanoscale</i> , <b>2016</b> , 8, 16670-16676	7.7	45
151	Inorganic halide perovskite quantum dot modified YAG-based white LEDs with superior performance. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 7601-7606	7.1	53
150	Lu <sub>2</sub> CaMg <sub>2</sub> (Si <sub>1-x</sub> Gex) <sub>3</sub> O <sub>12</sub> :Ce <sup>3+</sup> solid-solution phosphors: bandgap engineering for blue-light activated afterglow applicable to AC-LED. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 10329-10338	7.1	63
149	A Novel Optical Thermometry Strategy Based on Diverse Thermal Response from Two Intervalence Charge Transfer States. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 3139-3145	15.6	327
148	A chromaticity-tunable garnet-based phosphor-in-glass color converter applicable in w-LED. <i>Journal of the European Ceramic Society</i> , <b>2016</b> , 36, 1723-1729	6	37
147	A novel double-perovskite Gd <sub>2</sub> ZnTiO <sub>6</sub> :Mn <sup>4+</sup> red phosphor for UV-based w-LEDs: structure and luminescence properties. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 2374-2381	7.1	191
146	Ultra-small yellow defective TiO <sub>2</sub> nanoparticles for co-catalyst free photocatalytic hydrogen production. <i>Nano Energy</i> , <b>2016</b> , 24, 63-71	17.1	93
145	Non-Rare-Earth BaMgAl <sub>10-x</sub> O <sub>17</sub> :xMn <sup>4+</sup> ,xMg <sup>2+</sup> : A Narrow-Band Red Phosphor for Use as a High-Power Warm w-LED. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 3515-3524	9.6	251
144	Chromaticity-tunable phosphor-in-glass for long-lifetime high-power warm w-LEDs. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 8080-8089	7.1	114
143	Highly thermal-stable warm w-LED based on Ce:YAG PiG stacked with a red phosphor layer. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 649, 661-665	5.7	73

142	A blue-emitting Sc silicate phosphor for ultraviolet excited light-emitting diodes. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 27292-9	3.6	24
141	Controllable synthesis and selective doping of hexagonal GdF <sub>3</sub> and spinel-like Ga <sub>2</sub> O <sub>3</sub> nano-crystals in silicate glass. <i>Ceramics International</i> , <b>2015</b> , 41, 14197-14203	5.1	2
140	Yb <sup>3+</sup> /Er <sup>3+</sup> co-doped CaMoO <sub>4</sub> : a promising green upconversion phosphor for optical temperature sensing. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 639, 325-329	5.7	142
139	Bandgap Tailoring via Si Doping in Inverse-Garnet Mg <sub>3</sub> Y <sub>2</sub> Ge <sub>3</sub> O <sub>12</sub> :Ce(3+) Persistent Phosphor Potentially Applicable in AC-LED. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 21835-43	9.5	109
138	Design, Preparation, and Characterization of a Novel Red Long-Persistent Perovskite Phosphor: Ca <sub>3</sub> Ti <sub>2</sub> O <sub>7</sub> :Pr <sup>3+</sup> . <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 11299-306	5.1	91
137	Luminescence study of a self-activated and rare earth activated Sr <sub>3</sub> La(VO <sub>4</sub> ) <sub>3</sub> phosphor potentially applicable in W-LEDs. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 3023-3028	7.1	91
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> , <b>2014</b> , 9, 728-33	4.5	58
135	Cr <sup>3+</sup> :SrGa <sub>2</sub> O <sub>7</sub> broadband near-infrared long-persistent phosphor. <i>Chemistry - an Asian Journal</i> , <b>2014</b> , 9, 1020-5	4.5	53
134	Formation of AgGaS <sub>2</sub> nano-pyramids from Ag <sub>2</sub> S nanospheres through intermediate Ag <sub>2</sub> S-AgGaS <sub>2</sub> heterostructures and AgGaS <sub>2</sub> sensitized Mn <sup>2+</sup> emission. <i>Nanoscale</i> , <b>2014</b> , 6, 2340-4	7.7	29
133	A new-generation color converter for high-power white LED: transparent Ce <sup>3+</sup> :YAG phosphor-in-glass. <i>Laser and Photonics Reviews</i> , <b>2014</b> , 8, 158-164	8.3	399
132	Reversible self-assembly of MxS (M = Cu, Ag) nanocrystals through ligand exchange. <i>CrystEngComm</i> , <b>2014</b> , 16, 9478-9481	3.3	7
131	Phosphor-in-glass for high-powered remote-type white AC-LED. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 21264-9	9.5	142
130	An active-core/active-shell structure with enhanced quantum-cutting luminescence in Pr-Yb co-doped monodisperse nanoparticles. <i>Nanoscale</i> , <b>2014</b> , 6, 10500-4	7.7	39
129	Converting Ag <sub>2</sub> S-CdS and Ag <sub>2</sub> S-ZnS into Ag-CdS and Ag-ZnS nanoheterostructures by selective extraction of sulfur. <i>Chemistry - an Asian Journal</i> , <b>2014</b> , 9, 3287-90	4.5	6
128	Ce <sup>3+</sup> /Pr <sup>3+</sup> : YAGG: A Long Persistent Phosphor Activated by Blue-Light. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 2539-2545	3.8	64
127	Impact of high ytterbium(III) concentration in the shell on upconversion luminescence of core-shell nanocrystals. <i>Chemistry - an Asian Journal</i> , <b>2014</b> , 9, 2765-70	4.5	13
126	Growth of hexagonal NaGdF <sub>4</sub> nanocrystals based on cubic Ln <sup>3+</sup> : CaF <sub>2</sub> precursors and the multi-color upconversion emissions. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 591, 370-376	5.7	7
125	Phase-separation induced homogeneous nucleation and growth of Cs <sub>3</sub> LaCl <sub>6</sub> nanoparticles in chalcogenide glass. <i>Materials Research Bulletin</i> , <b>2014</b> , 49, 193-198	5.1	5

124	Phase transition and multicolor luminescence of Eu <sup>2+</sup> /Mn <sup>2+</sup> -activated Ca <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> phosphors. <i>Materials Research Bulletin</i> , <b>2014</b> , 49, 677-681	5.1	19
123	CaMgAl <sub>10</sub> O <sub>17</sub> Mn <sup>2+</sup> -based red phosphor: a potential color converter for high-powered warm W-LED. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 22905-13	9.5	336
122	Co <sup>2+</sup> /Er <sup>3+</sup> -co-doped transparent glass ceramic containing both spinel ZnAl <sub>2</sub> O <sub>4</sub> and orthorhombic YF <sub>3</sub> for self-Q-switched laser. <i>Laser Physics</i> , <b>2014</b> , 24, 025101	1.2	10
121	Abnormal size-dependent upconversion emissions and multi-color tuning in Er <sup>3+</sup> -doped CaF <sub>2</sub> -YbF <sub>3</sub> disordered solid-solution nanocrystals. <i>Nanotechnology</i> , <b>2013</b> , 24, 085708	3.4	35
120	Controllable synthesis of metal selenide heterostructures mediated by Ag <sub>2</sub> Se nanocrystals acting as catalysts. <i>Nanoscale</i> , <b>2013</b> , 5, 9714-9	7.7	21
119	Modifying the size and uniformity of upconversion Yb/Er:NaGdF <sub>4</sub> nanocrystals through alkaline-earth doping. <i>Nanoscale</i> , <b>2013</b> , 5, 11298-305	7.7	78
118	Enhanced luminescence in Ce <sup>3+</sup> /Dy <sup>3+</sup> : Sr <sub>3</sub> Y <sub>2</sub> (BO <sub>3</sub> ) <sub>4</sub> phosphors via energy transfer. <i>Materials Research Bulletin</i> , <b>2013</b> , 48, 1957-1960	5.1	30
117	Eu <sup>2+</sup> :SrMg <sub>1-x</sub> MnxP <sub>2</sub> O <sub>7</sub> (x=0-1) phosphors with tunable yellow-red emissions. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 555, 45-50	5.7	14
116	Integrated broadband near-infrared luminescence in transparent glass ceramics containing β-Ga <sub>2</sub> O <sub>3</sub> : Ni <sup>2+</sup> and βYF <sub>3</sub> : Er <sup>3+</sup> nanocrystals. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 552, 398-404	5.7	24
115	Tuning of multicolor emissions in glass ceramics containing β-Ga <sub>2</sub> O <sub>3</sub> and βYF <sub>3</sub> nanocrystals. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 1804	7.1	50
114	Impurity doping: a novel strategy for controllable synthesis of functional lanthanide nanomaterials. <i>Nanoscale</i> , <b>2013</b> , 5, 4621-37	7.7	127
113	Cu <sub>1.94</sub> S <sub>2</sub> MnS dimeric nanoheterostructures with bifunctions: localized surface plasmon resonance and magnetism. <i>CrystEngComm</i> , <b>2013</b> , 15, 4217	3.3	16
112	Molecular-like Ag clusters sensitized near-infrared down-conversion luminescence in oxyfluoride glasses for broadband spectral modification. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 091902	3.4	39
111	Ultraviolet upconversion luminescence of Gd <sup>3+</sup> and Eu <sup>3+</sup> in nano-structured glass ceramics. <i>Materials Research Bulletin</i> , <b>2012</b> , 47, 469-472	5.1	11
110	Ultra-broadband near-infrared excitable upconversion core/shell nanocrystals. <i>Chemical Communications</i> , <b>2012</b> , 48, 5898-900	5.8	118
109	Intrinsic single-band upconversion emission in colloidal Yb/Er(Tm):Na <sub>3</sub> Zr(Hf)F <sub>7</sub> nanocrystals. <i>Chemical Communications</i> , <b>2012</b> , 48, 10630-2	5.8	80
108	Lanthanide nanomaterials with photon management characteristics for photovoltaic application. <i>Nano Energy</i> , <b>2012</b> , 1, 73-90	17.1	144
107	Sensitization and protection of Eu <sup>3+</sup> luminescence by CeO <sub>2</sub> in nano-composite. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 513, 626-629	5.7	12

106	Uniform Eu <sup>3+</sup> :CeO <sub>2</sub> hollow microspheres formation mechanism and optical performance. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 534, 64-69	5-7	17
105	Syntheses and optical properties of monodisperse BaLnF <sub>5</sub> (Ln = La, Lu, Y) nanocrystals. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 540, 27-31	5-7	18
104	Exploring the different photocatalytic performance for dye degradations over hexagonal ZnIn <sub>2</sub> S <sub>4</sub> microspheres and cubic ZnIn <sub>2</sub> S <sub>4</sub> nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 2273-9	9-5	158
103	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> , <b>2012</b> , 22, 2632-2640		81
102	Crystallization mechanism and optical properties of Nd <sup>3+</sup> doped chalcogenide glass ceramics. <i>Materials Research Bulletin</i> , <b>2012</b> , 47, 3078-3082	5-1	7
101	Tm <sup>3+</sup> -sensitized up- and down-conversions in nano-structured oxyfluoride glass ceramics. <i>Materials Research Bulletin</i> , <b>2012</b> , 47, 4433-4437	5-1	13
100	Sandwich-like Cu(1.94)S-ZnS-Cu(1.94)S nanoheterostructure: structure, formation mechanism and localized surface plasmon resonance behavior. <i>Nanotechnology</i> , <b>2012</b> , 23, 425604	3-4	10
99	A plasmonic nano-antenna with controllable resonance frequency: Cu <sub>1.94</sub> S-ZnS dimeric nanoheterostructure synthesized in solution. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 22614		17
98	Broadband excitation of upconversion in lanthanide doped fluorides for enhancement of Si solar cells <b>2012</b> ,		1
97	Concentration quenching in transparent glass ceramics containing Er <sup>3+</sup> :NaYF <sub>4</sub> nanocrystals. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2012</b> , 55, 1148-1151	3-6	6
96	SnO <sub>2</sub> /Fe <sub>2</sub> O <sub>3</sub> nanoheterostructure with novel architecture: structural characteristics and photocatalytic properties. <i>CrystEngComm</i> , <b>2011</b> , 13, 4873	3-3	32
95	Lanthanide activator doped NaYb <sub>1-x</sub> Gd <sub>x</sub> F <sub>4</sub> nanocrystals with tunable down-, up-conversion luminescence and paramagnetic properties. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 6186		73
94	Phase transition from hexagonal LnF <sub>3</sub> (Ln = La, Ce, Pr) to cubic Ln <sub>0.8</sub> M <sub>0.2</sub> F <sub>2.8</sub> (M = Ca, Sr, Ba) nanocrystals with enhanced upconversion induced by alkaline-earth doping. <i>Chemical Communications</i> , <b>2011</b> , 47, 2601-3	5-8	93
93	Advances in spectral conversion for photovoltaics: up-converting Er <sup>3+</sup> -doped YF <sub>3</sub> nano-crystals in transparent glass ceramic <b>2011</b> ,		2
92	Near-infrared quantum cutting in Ho <sup>3+</sup> /Yb <sup>3+</sup> codoped nanostructured glass ceramic. <i>Optics Letters</i> , <b>2011</b> , 36, 876-8	3	90
91	Enhanced mid-infrared emissions of Er <sup>3+</sup> at 2.7 $\mu$ m via Nd <sup>3+</sup> sensitization in chalcogenide glass. <i>Optics Letters</i> , <b>2011</b> , 36, 1815-7	3	86
90	Broadband UV excitable near-infrared downconversion luminescence in Eu <sup>2+</sup> /Yb <sup>3+</sup> :CaF <sub>2</sub> nanocrystals embedded glass ceramics. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 3363-3366	5-7	79
89	Host-sensitized multicolor tunable luminescence of lanthanide ion doped one-dimensional YVO <sub>4</sub> nano-crystals. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 3375-3381	5-7	35

88	Dopant-induced phase transition: a new strategy of synthesizing hexagonal upconversion NaYF <sub>4</sub> at low temperature. <i>Chemical Communications</i> , <b>2011</b> , 47, 5801-3	5.8	100
87	Crystallization behaviours of In <sub>2</sub> .67S <sub>4</sub> nanophase in chalcogenide glasses. <i>CrystEngComm</i> , <b>2011</b> , 13, 3008-3	3.3	8
86	Modifying the phase and controlling the size of monodisperse ZrO <sub>2</sub> nanocrystals by employing Gd <sup>3+</sup> as a nucleation agent. <i>CrystEngComm</i> , <b>2011</b> , 13, 4500	3.3	13
85	Monodisperse upconversion Er <sup>3+</sup> /Yb <sup>3+</sup> :MFCl (M = Ca, Sr, Ba) nanocrystals synthesized via a seed-based chlorination route. <i>Chemical Communications</i> , <b>2011</b> , 47, 11083-5	5.8	50
84	Distribution-related luminescence of Eu <sup>3+</sup> sensitized by SnO <sub>2</sub> nano-crystals embedding in oxide glassy matrix. <i>Journal of Solid State Chemistry</i> , <b>2011</b> , 184, 236-240	3.3	14
83	Improving Er <sup>3+</sup> 1.53 $\mu$ m luminescence by CeF <sub>3</sub> nanocrystallization in aluminosilicate glass. <i>Journal of Applied Physics</i> , <b>2010</b> , 108, 123523	2.5	13
82	Modifying the size and shape of monodisperse bifunctional alkaline-earth fluoride nanocrystals through lanthanide doping. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 9976-8	16.4	269
81	Nd <sup>3+</sup> -sensitized upconversion white light emission of Tm <sup>3+</sup> /Ho <sup>3+</sup> bridged by Yb <sup>3+</sup> in YF <sub>3</sub> nanocrystals embedded transparent glass ceramics. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 103511	2.5	39
80	Hydrothermal synthesis, structural characteristics, and enhanced photocatalysis of SnO <sub>2</sub> / $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> semiconductor nanoheterostructures. <i>ACS Nano</i> , <b>2010</b> , 4, 681-8	16.7	348
79	Color-tunable luminescence for Bi <sup>3+</sup> /Ln <sup>3+</sup> :YVO <sub>4</sub> (Ln = Eu, Sm, Dy, Ho) nanophosphors excitable by near-ultraviolet light. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 7775-8	3.6	73
78	Ultraviolet-blue to near-infrared downconversion of Nd <sup>3+</sup> -Yb <sup>3+</sup> couple. <i>Optics Letters</i> , <b>2010</b> , 35, 220-3	3.6	96
77	Judd-Ofelt analyses and luminescence of Er <sup>3+</sup> /Yb <sup>3+</sup> co-doped transparent glass ceramics containing NaYF <sub>4</sub> nanocrystals. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 490, 74-77	5.7	44
76	Optical spectroscopy investigation on distribution of Eu <sup>3+</sup> in nanostructured glass ceramics. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 093504	2.5	12
75	Luminescence in rare earth-doped transparent glass ceramics containing GdF <sub>3</sub> nanocrystals for lighting applications. <i>Journal of Materials Science</i> , <b>2010</b> , 45, 2775-2779	4.3	40
74	Synthesis and upconversion emission of rare earth-doped olive-like YF <sub>3</sub> micro-particles. <i>Materials Research Bulletin</i> , <b>2010</b> , 45, 52-55	5.1	7
73	Upconversion luminescence of Ho <sup>3+</sup> sensitized by Yb <sup>3+</sup> in transparent glass ceramic embedding BaYF <sub>5</sub> nanocrystals. <i>Materials Research Bulletin</i> , <b>2010</b> , 45, 1017-1020	5.1	42
72	High-content bulk doping and thermal stability of rare earth ions in CeO <sub>2</sub> nanocrystals. <i>Scripta Materialia</i> , <b>2010</b> , 63, 661-664	5.6	14
71	A visible light active photocatalyst: Nano-composite with Fe-doped anatase TiO <sub>2</sub> nanoparticles coupling with TiO <sub>2</sub> (B) nanobelts. <i>Journal of Molecular Catalysis A</i> , <b>2010</b> , 326, 1-7	5.6	41



70	Color-tunable luminescence of Eu <sup>3+</sup> in LaF <sub>3</sub> embedded nanocomposite for light emitting diode. <i>Acta Materialia</i> , <b>2010</b> , 58, 3035-3041	8.4	111
69	Structure and luminescence of Eu <sup>3+</sup> doped glass ceramics embedding ZnO quantum dots. <i>Ceramics International</i> , <b>2010</b> , 36, 1091-1094	5.1	25
68	Optical spectroscopy of Eu <sup>3+</sup> and Tb <sup>3+</sup> doped glass ceramics containing LiYbF <sub>4</sub> nanocrystals. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 041909	3.4	67
67	Fabrication of Co <sub>3</sub> O <sub>4</sub> cubic nanoframes: Facet-preferential chemical etching of Fe <sup>3+</sup> ions to Co <sub>3</sub> O <sub>4</sub> nanocubes. <i>Materials Letters</i> , <b>2009</b> , 63, 837-839	3.3	10
66	Fabrication and structure characterization of MnCO <sub>3</sub> /Fe <sub>2</sub> O <sub>3</sub> nanocrystal heterostructures. <i>Materials Letters</i> , <b>2009</b> , 63, 2499-2502	3.3	9
65	Synthesis and visible light photocatalysis of Fe-doped TiO <sub>2</sub> mesoporous layers deposited on hollow glass microbeads. <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 2785-2790	3.3	60
64	Energy transfer and up-conversion luminescence in Er <sup>3+</sup> /Yb <sup>3+</sup> co-doped transparent glass ceramic containing YF <sub>3</sub> nano-crystals. <i>Ceramics International</i> , <b>2009</b> , 35, 2619-2623	5.1	60
63	Facile Synthesis and Formation Mechanism of Metal Chalcogenides Hollow Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 7522-7525	3.8	15
62	Infrared luminescence of transparent glass ceramic containing Er <sup>3+</sup> :NaYF <sub>4</sub> nanocrystals. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 467, 317-321	5.7	39
61	Cooperative Energy Transfer Up-Conversion and Quantum Cutting Down-Conversion in Yb <sup>3+</sup> :TbF <sub>3</sub> Nanocrystals Embedded Glass Ceramics. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 6406-6410	3.8	124
60	CeF <sub>3</sub> -based glass ceramic: a potential luminescent host for white-light-emitting diode. <i>Optics Letters</i> , <b>2009</b> , 34, 2882-4	3	61
59	Nanocrystallization of lanthanide trifluoride in an aluminosilicate glass matrix: dimorphism and rare earth partition. <i>CrystEngComm</i> , <b>2009</b> , 11, 1686	3.3	47
58	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> , <b>2009</b> , 11, 8774-8	3.6	25
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56	Enhanced emissions of Eu(3+) by energy transfer from ZnO quantum dots embedded in SiO(2) glass. <i>Nanotechnology</i> , <b>2008</b> , 19, 055711	3.4	48
55	Near-infrared quantum cutting in transparent nanostructured glass ceramics. <i>Optics Letters</i> , <b>2008</b> , 33, 1884-6	3	173
54	Structure and Optical Spectroscopy of Eu-Doped Glass Ceramics Containing GdF <sub>3</sub> Nanocrystals. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 18943-18947	3.8	75
53	Infrared to ultraviolet upconversion luminescence in Nd <sup>3+</sup> doped nano-glass-ceramic. <i>Journal of Rare Earths</i> , <b>2008</b> , 26, 428-432	3.7	15

52	Highly efficient near-infrared to visible upconversion luminescence in transparent glass ceramics containing Yb <sup>3+</sup> /Er <sup>3+</sup> :NaYF <sub>4</sub> nanocrystals. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2008</b> , 205, 1680-1684	1.6	24
51	Novel rare earth ions-doped oxyfluoride nano-composite with efficient upconversion white-light emission. <i>Journal of Solid State Chemistry</i> , <b>2008</b> , 181, 2763-2767	3.3	72
50	Efficient upconversion luminescence of Er <sup>3+</sup> :SrF <sub>2</sub> /Bi <sub>2</sub> O <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> sol-gel glass ceramics. <i>Ceramics International</i> , <b>2008</b> , 34, 2143-2146	5.1	16
49	Bright upconversion white light emission in transparent glass ceramic embedding Tm <sup>3+</sup> /Er <sup>3+</sup> /Yb <sup>3+</sup> :YF <sub>3</sub> nanocrystals. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 251903	3.4	188
48	Broadband near-infrared emission from Tm <sup>3+</sup> /Er <sup>3+</sup> co-doped nanostructured glass ceramics. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 113511	2.5	70
47	Fluorescence and Judd-Ofelt analysis of Nd <sup>3+</sup> ions in oxyfluoride glass ceramics containing CaF <sub>2</sub> nanocrystals. <i>Journal of Physics and Chemistry of Solids</i> , <b>2007</b> , 68, 193-200	3.9	46
46	Spectroscopic properties of Nd <sup>3+</sup> doped transparent oxyfluoride glass ceramics. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2007</b> , 67, 709-13	4.4	18
45	Microstructures and upconversion luminescence of Er <sup>3+</sup> doped and Er <sup>3+</sup> /Yb <sup>3+</sup> co-doped oxyfluoride glass ceramics. <i>Materials Chemistry and Physics</i> , <b>2007</b> , 101, 234-237	4.4	28
44	Influence of Yb <sup>3+</sup> content on microstructure and fluorescence of oxyfluoride glass ceramics containing LaF <sub>3</sub> nano-crystals. <i>Materials Chemistry and Physics</i> , <b>2007</b> , 101, 464-469	4.4	43
43	Hydrothermal synthesis and characterization of MnWO <sub>4</sub> nanoplates and their ionic conductivity. <i>Materials Chemistry and Physics</i> , <b>2007</b> , 103, 433-436	4.4	44
42	Transparent glass ceramic containing Er <sup>3+</sup> :CaF <sub>2</sub> nano-crystals prepared by sol-gel method. <i>Materials Letters</i> , <b>2007</b> , 61, 3988-3990	3.3	40
41	Partition, luminescence and energy transfer of Er <sup>3+</sup> /Yb <sup>3+</sup> ions in oxyfluoride glass ceramic containing CaF <sub>2</sub> nano-crystals. <i>Optical Materials</i> , <b>2007</b> , 29, 1693-1699	3.3	47
40	Investigation on crystallization kinetics and microstructure of novel transparent glass ceramics containing Nd:NaYF <sub>4</sub> nano-crystals. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2007</b> , 136, 106-110	3.1	27
39	Spectroscopic and stimulated emission characteristics of Nd <sup>3+</sup> in transparent glass ceramic embedding YF <sub>3</sub> nanocrystals. <i>Journal of Applied Physics</i> , <b>2007</b> , 102, 023504	2.5	18
38	Sensitized thulium ultraviolet upconversion luminescence in Tm <sup>3+</sup> /Yb <sup>3+</sup> /Nd <sup>3+</sup> triply doped nanoglass ceramics. <i>Optics Letters</i> , <b>2007</b> , 32, 3068-70	3	45
37	A new transparent oxyfluoride glass ceramic with improved luminescence. <i>Journal of Non-Crystalline Solids</i> , <b>2007</b> , 353, 405-409	3.9	45
36	Spectroscopic calculation of NaYF <sub>4</sub> contained transparent glass ceramics doped with different content of Nd <sup>3+</sup> . <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 443, 143-148	5.7	18
35	Upconversion emission of a novel glass ceramic containing Er <sup>3+</sup> : BaYF <sub>5</sub> nano-crystals. <i>Materials Letters</i> , <b>2007</b> , 61, 5022-5025	3.3	41

34	Intense ultraviolet upconversion luminescence from Tm <sup>3+</sup> /Yb <sup>3+</sup> :ErF <sub>3</sub> nanocrystals embedded glass ceramic. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 051920	3-4	135
33	Luminescence of an Er <sup>3+</sup> -doped glass matrix containing CdS quantum dots. <i>Scripta Materialia</i> , <b>2006</b> , 55, 891-894	5-6	18
32	Influences of Er <sup>3+</sup> content on structure and upconversion emission of oxyfluoride glass ceramics containing CaF <sub>2</sub> nanocrystals. <i>Materials Chemistry and Physics</i> , <b>2006</b> , 95, 264-269	4-4	75
31	Structural evolution and its influence on luminescence of SiO <sub>2</sub> /ErF <sub>2</sub> /ErF <sub>3</sub> glass ceramics prepared by sol-gel method. <i>Materials Chemistry and Physics</i> , <b>2006</b> , 100, 241-245	4-4	10
30	Fluorescence property investigations on Er <sup>3+</sup> -doped oxyfluoride glass ceramics containing LaF <sub>3</sub> nanocrystals. <i>Materials Chemistry and Physics</i> , <b>2006</b> , 100, 308-312	4-4	15
29	Crystallization and spectroscopic properties investigations of Er <sup>3+</sup> doped transparent glass ceramics containing CaF <sub>2</sub> . <i>Materials Research Bulletin</i> , <b>2006</b> , 41, 217-224	5-1	25
28	Luminescence at 1.53 $\mu$ m for a new Er <sup>3+</sup> -doped transparent oxyfluoride glass ceramic. <i>Materials Research Bulletin</i> , <b>2006</b> , 41, 1112-1117	5-1	10
27	Self-assembly of mono-crystalline NdF <sub>3</sub> nanostructures during hydrothermal process. <i>Materials Letters</i> , <b>2006</b> , 60, 389-392	3-3	7
26	Metastable gamma-MnS hierarchical architectures: synthesis, characterization, and growth mechanism. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 8284-8	3-4	122
25	Tunable red-green upconversion luminescence in novel transparent glass ceramics containing Er: NaYF <sub>4</sub> nanocrystals. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 20843-6	3-4	196
24	Shape control of monodisperse CdS nanocrystals: hexagon and pyramid. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 9448-51	3-4	73
23	Microstructure and luminescence of transparent glass ceramic containing Er <sup>3+</sup> :BaF <sub>2</sub> nano-crystals. <i>Journal of Solid State Chemistry</i> , <b>2006</b> , 179, 532-537	3-3	50
22	Improvement of Er <sup>3+</sup> emissions in oxyfluoride glass ceramic nano-composite by thermal treatment. <i>Journal of Solid State Chemistry</i> , <b>2006</b> , 179, 1445-1452	3-3	31
21	Multiple branched MnO <sub>2</sub> nanofibers: A two-step epitaxial growth. <i>Journal of Crystal Growth</i> , <b>2006</b> , 286, 156-161	1-6	29
20	pH value-dependant growth of Fe <sub>2</sub> O <sub>3</sub> hierarchical nanostructures. <i>Journal of Crystal Growth</i> , <b>2006</b> , 294, 353-357	1-6	52
19	Investigation on crystallization and influence of Nd <sup>3+</sup> doping of transparent oxyfluoride glass-ceramics. <i>Journal of the European Ceramic Society</i> , <b>2006</b> , 26, 2761-2767	6	23
18	Influence of structural evolution on fluorescence properties of transparent glass ceramics containing LaF <sub>3</sub> nanocrystals. <i>Journal of Luminescence</i> , <b>2006</b> , 118, 131-138	3-8	26
17	Crystallization and structural evolution of YF <sub>3</sub> /BiO <sub>2</sub> xerogel. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2006</b> , 127, 218-223	3-1	20

16	MnS hierarchical hollow spheres with novel shell structure. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 24399-402	3.4	55
15	Quasicubic $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticles with excellent catalytic performance. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 3093-7	3.4	305
14	Evolution of single crystalline dendrites from nanoparticles through oriented attachment. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 794-8	3.4	147
13	Crystallization behavior and microstructure investigations on LaF <sub>3</sub> containing oxyfluoride glass ceramics. <i>Journal of Non-Crystalline Solids</i> , <b>2005</b> , 351, 722-728	3.9	39
12	Phase separation in yttrium silicate glass prepared by the sol-gel method. <i>Journal of Non-Crystalline Solids</i> , <b>2005</b> , 351, 3114-3120	3.9	15
11	Two-step self-assembly of nanodisks into plate-built cylinders through oriented aggregation. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 11548-51	3.4	141
10	Spectroscopic properties of Er <sup>3+</sup> ions in transparent oxyfluoride glass ceramics containing CaF <sub>2</sub> nano-crystals. <i>Journal of Physics Condensed Matter</i> , <b>2005</b> , 17, 6545-6557	1.8	52
9	Synthesis and magnetic properties of nickel ferrite nano-octahedra. <i>Journal of Solid State Chemistry</i> , <b>2005</b> , 178, 2394-2397	3.3	92
8	Crystallization and fluorescence properties of Nd <sup>3+</sup> -doped transparent oxyfluoride glass ceramics. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2005</b> , 123, 1-6	3.1	40
7	Selective-controlled synthesis of one-dimensional strontium phosphates. <i>Journal of Crystal Growth</i> , <b>2005</b> , 280, 569-574	1.6	7
6	Synthesis and shape evolution of Fe <sub>2</sub> O <sub>3</sub> nanophase through two-step oriented aggregation in solvothermal system. <i>Journal of Crystal Growth</i> , <b>2005</b> , 284, 221-225	1.6	28
5	Influence of Er <sup>3+</sup> doping on microstructure of oxyfluoride glass ceramics. <i>Materials Research Bulletin</i> , <b>2005</b> , 40, 1645-1653	5.1	16
4	Simulation of clusters formation in Al-Cu based and Al-Zn based alloys. <i>Journal of Materials Science</i> , <b>2005</b> , 40, 3461-3466	4.3	3
3	Crystallization behavior of PbF <sub>2</sub> /Bi <sub>2</sub> O <sub>3</sub> based bulk xerogels. <i>Journal of Non-Crystalline Solids</i> , <b>2004</b> , 347, 31-38	3.9	21
2	Design of Ratiometric Dual-Emitting Mechanoluminescence: Lanthanide/Transition-Metal Combination Strategy. <i>Laser and Photonics Reviews</i> , 2100666	8.3	2
1	Toward High-Quality Laser-Driven Lightings: Chromaticity-Tunable Phosphor-in-Glass Film with Phosphor Pattern Design. <i>Laser and Photonics Reviews</i> , 2200040	8.3	5