

Zhenguo Ji

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225
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8,341
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#	Paper	IF	Citations
219	Advances in transparent glass/ceramic phosphors for white light-emitting diodes—A review. <i>Journal of the European Ceramic Society</i> , 2015 , 35, 859-869	6	386
218	Dual-Phase Glass Ceramic: Structure, Dual-Modal Luminescence, and Temperature Sensing Behaviors. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 19484-93	9.5	199
217	A review on nanostructured glass ceramics for promising application in optical thermometry. <i>Journal of Alloys and Compounds</i> , 2018 , 763, 34-48	5.7	187
216	Nd(3+)-Sensitized Ho(3+) Single-Band Red Upconversion Luminescence in Core-Shell Nanoarchitecture. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 2833-40	6.4	168
215	Dual-activator luminescence of RE/TM:Y3Al5O12 (RE = Eu3+, Tb3+, Dy3+; TM = Mn4+, Cr3+) phosphors for self-referencing optical thermometry. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 9044-9051	7.1	144
214	Enhanced luminescence of Mn4+:Y3Al5O12 red phosphor via impurity doping. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 1704-1712	7.1	144
213	Mo + N Codoped TiO2 sheets with dominant {001} facets for enhancing visible-light photocatalytic activity. <i>Journal of Materials Chemistry</i> , 2012 , 22, 17700		142
212	Bulk glass ceramics containing Yb3+/Er3+: NaGdF4 nanocrystals: Phase-separation-controlled crystallization, optical spectroscopy and upconverted temperature sensing behavior. <i>Journal of Alloys and Compounds</i> , 2015 , 638, 21-28	5.7	129
211	A bifunctional Cr/Yb/Tm:Ca3Ga2Ge3O12 phosphor with near-infrared long-lasting phosphorescence and upconversion luminescence. <i>Inorganic Chemistry</i> , 2014 , 53, 8638-45	5.1	127
210	Garnet-based Li6CaLa2Sb2O12:Eu3+ red phosphors: a potential color-converting material for warm white light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 4500-4510	7.1	109
209	Simultaneous morphology manipulation and upconversion luminescence enhancement of NaYF4:Yb3+/Er3+ microcrystals by simply tuning the KF dosage. <i>Scientific Reports</i> , 2015 , 5, 12745	4.9	109
208	p-Type ZnO thin films prepared by oxidation of Zn3N2 thin films deposited by DC magnetron sputtering. <i>Journal of Crystal Growth</i> , 2003 , 259, 279-281	1.6	93
207	Enhanced luminescence of a BaGdSbO:Mn red phosphor via cation doping for warm white light-emitting diodes. <i>Dalton Transactions</i> , 2018 , 47, 8248-8256	4.3	93
206	Tunable Optical Properties and Enhanced Thermal Quenching of Non-Rare-Earth Double-Perovskite (BaSr)YSbO:Mn Red Phosphors Based on Composition Modulation. <i>Inorganic Chemistry</i> , 2018 , 57, 8978-8987	5.1	91
205	Gallium oxide films for filter and solar-blind UV detector. <i>Optical Materials</i> , 2006 , 28, 415-417	3.3	86
204	Crystal face regulating MoS2/TiO2(001) heterostructure for high photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2016 , 688, 840-848	5.7	83
203	Fabrication and characterization of indium-doped p-type SnO2 thin films. <i>Journal of Crystal Growth</i> , 2003 , 259, 282-285	1.6	82

202	Efficient rare-earth free red-emitting CaYSbO:Mn,M(M = Li, Na, K, Mg) phosphors for white light-emitting diodes. <i>Dalton Transactions</i> , 2018 , 47, 6528-6537	4.3	81
201	Synthesis and spectroscopic investigation of Ba ₃ La ₆ (SiO ₄) ₆ :Eu ²⁺ green phosphors for white light-emitting diodes. <i>Chemical Engineering Journal</i> , 2017 , 309, 795-801	14.7	77
200	Reconstruction of TiO/MnO-C nanotube/nanoflake core/shell arrays as high-performance supercapacitor electrodes. <i>Nanotechnology</i> , 2017 , 28, 055405	3.4	74
199	Stable and chromaticity-tunable phosphor-in-glass inorganic color converter for high-power warm white light-emitting diode. <i>Journal of the European Ceramic Society</i> , 2016 , 36, 1705-1713	6	74
198	Temperature-insensitive large strain response with a low hysteresis behavior in BNT-based ceramics. <i>Ceramics International</i> , 2016 , 42, 7669-7680	5.1	74
197	New Eu(3+)-activated perovskite La(0.5)Na(0.5)TiO ₃ phosphors in glass for warm white light emitting diodes. <i>Dalton Transactions</i> , 2016 , 45, 4762-70	4.3	74
196	Tb ³⁺ /Eu ³⁺ : YF ₃ nanophase embedded glass ceramics: Structural characterization, tunable luminescence and temperature sensing behavior. <i>Journal of Alloys and Compounds</i> , 2015 , 646, 339-344	5.7	74
195	EuF ₃ /Ga ₂ O ₃ Dual-Phase Nanostructural Glass Ceramics with Eu ²⁺ /Cr ³⁺ Dual-Activator Luminescence for Self-Calibrated Optical Thermometry. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 21858-21865	3.8	73
194	Constructing two-dimension MoS ₂ /Bi ₂ WO ₆ core-shell heterostructure as carriers transfer channel for enhancing photocatalytic activity. <i>Materials Research Bulletin</i> , 2017 , 85, 140-146	5.1	72
193	Low resistivity transparent conducting CdO thin films deposited by DC reactive magnetron sputtering at room temperature. <i>Materials Letters</i> , 2007 , 61, 531-534	3.3	72
192	Composition- and temperature-driven phase transition characteristics and associated electromechanical properties in Bi _{0.5} Na _{0.5} TiO ₃ -based lead-free ceramics. <i>Dalton Transactions</i> , 2016 , 45, 8573-86	4.3	72
191	A dual-functional upconversion core@shell nanostructure for white-light-emission and temperature sensing. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 6516-6524	7.1	71
190	Novel red-emitting Sr ₂ LaSbO ₆ :Eu ³⁺ phosphor with enhanced 5D ₀ → 7F ₄ transition for warm white light-emitting diodes. <i>Dyes and Pigments</i> , 2017 , 146, 272-278	4.6	71
189	Co ^{II} Bonds as Atomic-Level Charge Transfer Channel To Boost Photocatalytic H ₂ Production of Co ₂ P/Black Phosphorus Nanosheets Photocatalyst. <i>ACS Catalysis</i> , 2019 , 9, 7801-7807	13.1	70
188	Anatase TiO ₂ nanosheets with coexposed {101} and {001} facets coupled with ultrathin SnS ₂ nanosheets as a face-to-face n-p-n dual heterojunction photocatalyst for enhancing photocatalytic activity. <i>Applied Surface Science</i> , 2017 , 420, 839-848	6.7	68
187	NaNbO ₃ templates-induced phase evolution and enhancement of electromechanical properties in grain oriented lead-free BNT-based piezoelectric materials. <i>Journal of the European Ceramic Society</i> , 2017 , 37, 2591-2604	6	67
186	Enhanced visible-light-induced hydrogen evolution from water in a noble-metal-free system catalyzed by ZnTCPP-MoS ₂ /TiO ₂ assembly. <i>Chemical Engineering Journal</i> , 2015 , 275, 8-16	14.7	67
185	Transparent p-type conducting indium-doped SnO ₂ thin films deposited by spray pyrolysis. <i>Materials Letters</i> , 2006 , 60, 1387-1389	3.3	66

- 184 Color-tunable luminescence, energy transfer and temperature sensing behavior of hexagonal NaYF₄:Ce³⁺/Tb³⁺/Eu³⁺ microcrystals. *Journal of Alloys and Compounds*, **2016**, 672, 117-124 5.7 61
- 183 Energy Manipulation in Lanthanide-Doped Core-Shell Nanoparticles for Tunable Dual-Mode Luminescence toward Advanced Anti-Counterfeiting. *Advanced Materials*, **2020**, 32, e2002121 24 61
- 182 Cr³⁺-doped gallium-based transparent bulk glass ceramics for optical temperature sensing. *Journal of the European Ceramic Society*, **2015**, 35, 4211-4216 6 60
- 181 A novel rare-earth free red-emitting Li₃Mg₂SbO₆:Mn⁴⁺ phosphor-in-glass for warm w-LEDs: Synthesis, structure, and luminescence properties. *Journal of Alloys and Compounds*, **2019**, 773, 413-422 5.7 60
- 180 Impact of Eu³⁺ Dopants on Optical Spectroscopy of Ce³⁺: Y₃Al₅O₁₂-Embedded Transparent Glass-Ceramics. *Journal of the American Ceramic Society*, **2015**, 98, 2445-2450 3.8 58
- 179 Hexagonal NaYF₄:Yb³⁺/Er³⁺ nano/micro-structures: Controlled hydrothermal synthesis and morphology-dependent upconversion luminescence. *Applied Surface Science*, **2015**, 333, 23-33 6.7 57
- 178 Achieving efficient Tb³⁺ dual-mode luminescence via Gd-sublattice-mediated energy migration in a NaGdF₄ core-shell nanoarchitecture. *Journal of Materials Chemistry C*, **2015**, 3, 5372-5376 7.1 54
- 177 Li⁺ ions doping core-shell nanostructures: An approach to significantly enhance upconversion luminescence of lanthanide-doped nanocrystals. *Journal of Alloys and Compounds*, **2015**, 623, 42-48 5.7 54
- 176 One-step synthesis of rutile nano-TiO₂ with exposed {1 1 1} facets for high photocatalytic activity. *Journal of Alloys and Compounds*, **2015**, 632, 133-139 5.7 54
- 175 Tunable upconversion luminescence in self-crystallized Er(3+):K(Y(1-x)Yb(x))₃F₁₀ nano-glass-ceramics. *Physical Chemistry Chemical Physics*, **2015**, 17, 7100-3 3.6 52
- 174 N-doped rutile TiO₂ nano-rods show tunable photocatalytic selectivity. *Journal of Alloys and Compounds*, **2013**, 575, 40-47 5.7 51
- 173 Realization of forming-free ZnO-based resistive switching memory by controlling film thickness. *Journal Physics D: Applied Physics*, **2010**, 43, 395104 3 51
- 172 SnS₂ nanosheets coupled with 2D ultrathin MoS₂ nanolayers as face-to-face 2D/2D heterojunction photocatalysts with excellent photocatalytic and photoelectrochemical activities. *Journal of Alloys and Compounds*, **2019**, 775, 726-735 5.7 51
- 171 Preparation and characterization of p-type transparent conducting tin-gallium oxide films. *Applied Surface Science*, **2007**, 253, 4819-4822 6.7 49
- 170 Controlled synthesis of NaYF₄:Yb³⁺/Er³⁺ microstructures with morphology- and size-dependent upconversion luminescence. *Ceramics International*, **2015**, 41, 7411-7420 5.1 48
- 169 Highly enhanced upconversion luminescence in lanthanide-doped active-core/luminescent-shell/active-shell nanoarchitectures. *Journal of Materials Chemistry C*, **2016**, 4, 2432-2437 7.1 47
- 168 Effects of oxygen partial pressure on resistive switching characteristics of ZnO thin films by DC reactive magnetron sputtering. *Solid State Communications*, **2010**, 150, 1919-1922 1.6 46
- 167 MnS coupled with ultrathin MoS₂ nanolayers as heterojunction photocatalyst for high photocatalytic and photoelectrochemical activities. *Journal of Alloys and Compounds*, **2019**, 771, 364-372 5.7 46

166	Tuning into blue and red: europium single-doped nano-glass-ceramics for potential application in photosynthesis. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 3141-3149	7.1	45
165	Enhanced upconversion luminescence in phase-separation-controlled crystallization glass ceramics containing Yb/Er(Tm): NaLuF ₄ nanocrystals. <i>Journal of the European Ceramic Society</i> , 2015 , 35, 2129-2137	6	44
164	Controllable synthesis of Bi ₂ WO ₆ (001)/TiO ₂ (001) heterostructure with enhanced photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2016 , 676, 37-45	5.7	44
163	Constructing a Novel n-p-n Dual Heterojunction between Anatase TiO ₂ Nanosheets with Coexposed {101}, {001} Facets and Porous ZnS for Enhancing Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 6133-6140	3.8	42
162	A study of constructing heterojunction between two-dimensional transition metal sulfides (MoS ₂ and WS ₂) and (101), (001) faces of TiO ₂ . <i>Applied Surface Science</i> , 2018 , 430, 424-437	6.7	41
161	Anatase nano-TiO ₂ with exposed curved surface for high photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2016 , 661, 441-447	5.7	41
160	{001} Facets of anatase TiO ₂ show high photocatalytic selectivity. <i>Materials Letters</i> , 2012 , 79, 259-262	3.3	41
159	Highly stable Y(III)-based metal organic framework with two molecular building block for selective adsorption of C ₂ H ₂ and CO ₂ over CH ₄ . <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 1193-1198	6.8	40
158	Sn-MOF derived bimodal-distributed SnO ₂ nanosphere as a high performance anode of sodium ion batteries with high gravimetric and volumetric capacities. <i>Materials Research Bulletin</i> , 2018 , 99, 45-51	5.1	40
157	Nanoscale anatase TiO ₂ with dominant {111} facets shows high photocatalytic activity. <i>Applied Surface Science</i> , 2014 , 311, 521-528	6.7	40
156	Schottky junction effect enhanced plasmonic photocatalysis by TaON@Ni NP heterostructures. <i>Chemical Communications</i> , 2019 , 55, 11754-11757	5.8	38
155	ZnO nanoparticle films prepared by oxidation of metallic zinc in H ₂ O ₂ solution and subsequent process. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005 , 117, 63-66	3.1	38
154	Control of bulk homochirality and proton conductivity in isostructural chiral metal-organic frameworks. <i>Chemical Communications</i> , 2017 , 53, 1892-1895	5.8	37
153	Alkaline-Earth Metal Ca and N Codoped TiO ₂ with Exposed {001} Facets for Enhancing Visible Light Photocatalytic Activity. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 2615-2622	3.8	37
152	Tailoring frequency-insensitive large field-induced strain and energy storage properties in (BaCa)(ZrTi)O-modified (BiNa)TiO lead-free ceramics. <i>Dalton Transactions</i> , 2019 , 48, 10160-10173	4.3	36
151	Heterostructure of epitaxial (001) Bi ₄ Ti ₃ O ₁₂ growth on (001) TiO ₂ for enhancing photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2016 , 654, 71-78	5.7	36
150	Lanthanide-activated Na ₅ Gd ₉ F ₃₂ nanocrystals precipitated from a borosilicate glass: Phase-separation-controlled crystallization and optical property. <i>Journal of Alloys and Compounds</i> , 2015 , 625, 149-157	5.7	35
149	Grain-orientated lead-free BNT-based piezoceramics with giant electrostrictive effect. <i>Ceramics International</i> , 2017 , 43, 3339-3345	5.1	35

- 148 Fabrication and characterization of p-type ZnO films by pyrolysis of zinc-acetate-ammonia solution. *Journal of Crystal Growth*, **2003**, 253, 239-242 1.6 35
- 147 Ce³⁺/Tb³⁺ co-doped NaYF₄ dual-emitting phosphors for self-referencing optical thermometry. *Journal of Alloys and Compounds*, **2018**, 763, 85-93 5.7 35
- 146 A novel metal-organic framework for high storage and separation of acetylene at room temperature. *Journal of Solid State Chemistry*, **2016**, 241, 152-156 3.3 34
- 145 Ce³⁺ dopants-induced spectral conversion from green to red in the Yb/Ho: NaLuF₄ self-crystallized nano-glass-ceramics. *Journal of Alloys and Compounds*, **2016**, 654, 151-156 5.7 34
- 144 Biomolecule-assisted solvothermal synthesis of 3D hierarchical Cu₂FeSnS₄ microspheres with enhanced photocatalytic activity. *Applied Surface Science*, **2015**, 343, 28-32 6.7 33
- 143 Electromechanical properties and structure evolution in BiAlO₃-modified Bi_{0.5}Na_{0.5}TiO₃BaTiO₃ lead-free piezoceramics. *Journal of Alloys and Compounds*, **2016**, 667, 6-17 5.7 32
- 142 Reduced TiO₂ nanoflower structured photoanodes for superior photoelectrochemical water splitting. *Journal of Alloys and Compounds*, **2017**, 724, 280-286 5.7 32
- 141 Characterization and electrochromic properties of Cu_xNi_{1-x}O films prepared by sol-gel dip-coating. *Solar Energy*, **2006**, 80, 226-230 6.8 32
- 140 Lead-free BNT-based composite materials: enhanced depolarization temperature and electromechanical behavior. *Dalton Transactions*, **2017**, 46, 15340-15353 4.3 31
- 139 A novel transparent pn+ junction based on indium tin oxides. *Thin Solid Films*, **2004**, 460, 324-326 2.2 31
- 138 Bidirectional threshold switching characteristics in Ag/ZrO₂/Pt electrochemical metallization cells. *AIP Advances*, **2016**, 6, 085316 1.5 31
- 137 Novel dual heterojunction between MoS₂ and anatase TiO₂ with coexposed {101} and {001} facets. *Journal of the American Ceramic Society*, **2017**, 100, 5274-5285 3.8 29
- 136 Tuning into single-band red upconversion luminescence in Yb(3+)/Ho(3+) activated nano-glass-ceramics through Ce(3+) doping. *Dalton Transactions*, **2015**, 44, 5288-93 4.3 29
- 135 Curved surface TiO₂ nanodrums coupled with MoS₂ as heterojunction photocatalysts with enhancing photocatalytic activity. *Materials Letters*, **2018**, 229, 277-280 3.3 29
- 134 Mobility enhancement of p-type SnO₂ by InGa co-doping. *Physica Status Solidi (B): Basic Research*, **2010**, 247, 299-302 1.3 29
- 133 Fabrication and characteristics of the low-resistive p-type ZnO thin films by DC reactive magnetron sputtering. *Materials Letters*, **2006**, 60, 912-914 3.3 29
- 132 Reactive DC magnetron deposition of copper nitride films for write-once optical recording. *Materials Letters*, **2006**, 60, 3758-3760 3.3 29
- 131 Near-single-band red upconversion luminescence in Yb/Er: BiOX (X = Cl, Br) nanoplatelets. *Journal of Alloys and Compounds*, **2016**, 682, 275-283 5.7 29

130	Controllable SET process in O-Ti-Sb-Te based phase change memory for synaptic application. <i>Applied Physics Letters</i> , 2018 , 112, 073106	3.4	28
129	Bundle-shaped BaNaF_4 microrods: Hydrothermal synthesis, Gd-mediated downconversion luminescence and ratiometric temperature sensing. <i>Ceramics International</i> , 2018 , 44, 7930-7938	5.1	28
128	Phase transition behavior and enhanced electromechanical properties in $(\text{Ba}_{0.85}\text{Ca}_{0.15})(\text{Zr}_x\text{Ti}_{1-x})\text{O}_3$ lead-free piezoceramics. <i>Ceramics International</i> , 2016 , 42, 3598-3608	5.1	27
127	Hexagonal crown-capped $\text{BaNaF}_4:\text{Ce}^{3+}/\text{Gd}^{3+}/\text{Dy}^{3+}$ microrods: Formation mechanism, energy transfer and luminescence properties. <i>Journal of Alloys and Compounds</i> , 2016 , 658, 952-960	5.7	26
126	Regulating Photocatalytic Selectivity of Anatase TiO_2 with {101}, {001}, and {111} Facets. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 4005-4010	3.8	26
125	Effects of nickel doping on the preferred orientation and oxidation potential of Ti/Sb SnO_2 anodes prepared by spray pyrolysis. <i>Journal of Alloys and Compounds</i> , 2016 , 684, 137-142	5.7	25
124	Characterization of $\text{Mg}_x\text{Zn}_{1-x}\text{O}$ thin films prepared by sol-gel dip coating. <i>Journal of Crystal Growth</i> , 2004 , 265, 537-540	1.6	24
123	Hydrothermal Synthesis of Monodispersed LiMnPO_4 (010) Nanobelts and [001] Nanorods and Their Applications in Lithium-Ion Batteries. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 1533-1539	2.3	23
122	Cu nanoparticles hybridized with ZnO thin film for enhanced photoelectrochemical oxygen evolution. <i>Journal of Alloys and Compounds</i> , 2018 , 768, 830-837	5.7	23
121	Transparent sol-gel glass ceramics containing $\text{BaNaF}_4:\text{Yb}^{3+}/\text{Er}^{3+}$ nanocrystals: Structure, upconversion luminescent properties and optical thermometry behavior. <i>Ceramics International</i> , 2018 , 44, 16379-16387	5.1	23
120	Eu^{3+} and Er^{3+} doped $\text{BaLu}_{1-x}\text{Yb}_x\text{F}_4$ ($x=0 \sim 1$) solid-solution self-crystallization nano-glass-ceramics: Microstructure and optical spectroscopy. <i>Journal of the European Ceramic Society</i> , 2015 , 35, 3673-3679	6	23
119	Large electrostrictive effect in lead-free $(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3$ -based composite piezoceramics. <i>Ceramics International</i> , 2018 , 44, 8628-8634	5.1	22
118	Improvement of resistive switching in ZnO film by Ti doping. <i>Thin Solid Films</i> , 2013 , 537, 279-284	2.2	22
117	Transparent conductive p-type lithium-doped nickel oxide thin films deposited by pulsed plasma deposition. <i>Applied Surface Science</i> , 2012 , 258, 7435-7439	6.7	22
116	Novel cyan-emitting $\text{KBaScSi}_2\text{O}_7:\text{Eu}^{2+}$ phosphors with ultrahigh quantum efficiency and excellent thermal stability for WLEDs. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 7376-7385	3.8	21
115	Carbon supported silver nanowires with enhanced catalytic activity and stability used as a cathode in a direct borohydride fuel cell. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 15323	13	21
114	Effects of Cu doping on the structure, electronic and optical properties of SnO_2 thin films by spray pyrolysis: An experimental and density functional study. <i>Surface and Coatings Technology</i> , 2017 , 322, 120-126	4.4	20
113	A novel microstructural reconstruction phenomenon and electrochemical performance of cactus-like $\text{SnO}_2/\text{carbon}$ composites as anode materials for Na-ion batteries. <i>Electrochimica Acta</i> , 2017 , 245, 587-596	6.7	20

112	Phase transition, switching characteristics of MPB compositions and large strain in lead-free (Bi _{0.5} Na _{0.5})TiO ₃ -based piezoceramics. <i>Journal of Alloys and Compounds</i> , 2017 , 709, 646-657	5.7	20
111	Synthesis of Mg _x Ni _{1-x} O thin films with a band-gap in the solar-blind region. <i>Journal of Crystal Growth</i> , 2005 , 273, 446-450	1.6	20
110	Lanthanide-doped LuF ₃ mesocrystals for optical thermometry. <i>Materials Letters</i> , 2017 , 189, 5-8	3.3	19
109	Fabrication and characterization of Mn-doped zinc silicate films on silicon wafer. <i>Journal of Crystal Growth</i> , 2003 , 255, 353-356	1.6	19
108	Stable nonpolar resistive switching characteristics in Cu/Cu-dispersed ZrO ₂ /Pt memory devices. <i>Applied Physics Letters</i> , 2017 , 110, 093507	3.4	18
107	MoS ₂ nanosheet/ZnO nanowire hybrid nanostructures for photoelectrochemical water splitting. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 3989-3996	3.8	18
106	A new metal-organic framework for separation of C ₂ H ₂ /CH ₄ and CO ₂ /CH ₄ at room temperature. <i>Journal of Solid State Chemistry</i> , 2018 , 260, 31-33	3.3	18
105	A novel oxygen vacancy introduced microstructural reconstruction of SnO ₂ -graphene nanocomposite: Demonstration of enhanced electrochemical performance for sodium storage. <i>Electrochimica Acta</i> , 2018 , 282, 351-361	6.7	18
104	TaN nanorods encapsulated into 3D hydrangea-like MoS for enhanced photocatalytic hydrogen evolution under visible light irradiation. <i>Dalton Transactions</i> , 2019 , 48, 13176-13183	4.3	18
103	A promising Ti/SnO ₂ anodes modified by Nb/Sb co-doping. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 824, 169-174	4.1	17
102	Photocatalytic study of a novel crystal facets sensitive heterojunction between Sb ₈ O ₁₁ Cl ₂ and anatase TiO ₂ with different exposed facets. <i>Dyes and Pigments</i> , 2019 , 160, 530-539	4.6	17
101	Easily removable visible-light-driven photocatalyst of nickel modified SnS ₂ nanosheets for reduction of Cr(VI). <i>Journal of Alloys and Compounds</i> , 2018 , 735, 1314-1318	5.7	17
100	808 nm NIR light excited single-band red upconversion emission in lanthanide-doped KMnF ₃ nanocrystals. <i>Journal of Alloys and Compounds</i> , 2017 , 721, 531-537	5.7	16
99	High photocatalytic and photoelectrochemical performance of a novel 0D/2D heterojunction photocatalyst constructed by ZnSe nanoparticles and MoSe ₂ nanoflowers. <i>Ceramics International</i> , 2020 , 46, 13651-13659	5.1	16
98	Accurate quantitative analysis of metal oxides by laser-induced breakdown spectroscopy with a fixed plasma temperature calibration method. <i>Journal of Analytical Atomic Spectrometry</i> , 2012 , 27, 1903-1907	3.7	16
97	Comparison of upconversion luminescent properties and temperature sensing behaviors of BaNaF ₄ :Yb ³⁺ /Er ³⁺ nano/microcrystals prepared by various synthetic methods. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 8254-8270	2.1	16
96	Controllable volatile to nonvolatile resistive switching conversion and conductive filaments engineering in Cu/ZrO ₂ /Pt devices. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 445105	3	16
95	Laser in-situ synthesis of SnO ₂ /N-doped graphene nanocomposite with enhanced lithium storage properties based on both alloying and insertion reactions. <i>Applied Surface Science</i> , 2017 , 422, 645-653	6.7	15

94	Low electric field-driven giant strain response in <001> textured BNT-based lead-free piezoelectric materials. <i>Journal of Materials Science</i> , 2017 , 52, 3169-3178	4.3	15
93	Enhanced performance of nano-Bi ₂ WO ₆ -graphene as pseudocapacitor electrodes by charge transfer channel. <i>Scientific Reports</i> , 2015 , 5, 8624	4.9	15
92	High electrocatalytic activity for borohydride oxidation on palladium nanocubes enclosed by {200} facets. <i>Journal of Power Sources</i> , 2015 , 299, 241-245	8.9	15
91	3D flowerlike TiO ₂ /GO and TiO ₂ /MoS ₂ heterostructures with enhanced photoelectrochemical water splitting. <i>Journal of Materials Science</i> , 2018 , 53, 7609-7620	4.3	15
90	Reverse synthesis of CsPbxMn _{1-x} (Cl/Br) ₃ perovskite quantum dots from CsMnCl ₃ precursors through cation exchange. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 5908-5915	7.1	15
89	Resistive switching characteristics of ZnO based ReRAMs with different annealing temperatures. <i>Solid-State Electronics</i> , 2012 , 75, 28-32	1.7	15
88	A novel NbO-type metal-organic framework for highly separation of methane from C ₂ -hydrocarbon at room temperature. <i>Materials Letters</i> , 2017 , 196, 112-114	3.3	14
87	Pairing high piezoelectric properties and enhanced thermal stability in grain-oriented BNT-based lead-free piezoceramics. <i>Ceramics International</i> , 2018 , 44, 11402-11409	5.1	14
86	Phase structure control and optical spectroscopy of rare-earth activated GdF ₃ nanocrystal embedded glass ceramics via alkaline-earth/alkali-metal doping. <i>RSC Advances</i> , 2016 , 6, 71176-71187	3.7	14
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