Zhenguo Ji

List of Publications by Year in Descending Order

219 papers	7,329 citations	49 h-index	74 g-index
225 ext. papers	8,341 ext. citations	4.5 avg, IF	6.26 L-index

#	Paper	IF	Citations
219	Novel 0D/2D ZnSe/SnSe heterojunction photocatalysts exhibiting enhanced photocatalytic and photoelectrochemical activities. *Journal of Alloys and Compounds*, **2021**, 163123	5.7	1
218	Construction of MOFs-based AgI/Ag/Cu3(BTC)2 ternary composites as Z-scheme photocatalysts for effective degradation of tetracycline. *Bulletin of Materials Science*, **2021**, 44, 1	1.7	2
217	Hybrid Ni3N-nitrogen-doped carbon microspheres (Ni3N@C) in situ derived from Ni-MOFs as sensitive non-enzymatic glucose sensors. *Materials Technology*, **2021**, 36, 286-295	2.1	3
216	Nano-sized FeSe2 decorated rGO as a potential anode material with enhanced lithium-ion storage. *Sustainable Materials and Technologies*, **2021**, 29, e00313	5.3	4
215	Efficient Nonenzymatic Sensors Based on Ni-MOF Microspheres Decorated with Au Nanoparticles for Glucose Detection. *Journal of Electronic Materials*, **2020**, 49, 4754-4763	1.9	12
214	Efficient dual-mode luminescence from lanthanide-doped core-shell nanoarchitecture for anti-counterfeiting applications. *Nanotechnology*, **2020**, 31, 365705	3.4	7
213	High photocatalytic and photoelectrochemical performance of a novel 0D/2D heterojunction photocatalyst constructed by ZnSe nanoparticles and MoSe2 nanoflowers. *Ceramics International*, **2020**, 46, 13651-13659	5.1	16
212	Ultrathin MoSe2 three-dimensional nanospheres as high carriers transmission channel and full spectrum harvester toward excellent photocatalytic and photoelectrochemical performance. *International Journal of Hydrogen Energy*, **2020**, 45, 6519-6528	6.7	7
211	Polyhedral NiO/C porous composites derived by controlled pyrolysis of Ni-MOF for highly efficient non-enzymatic glucose detection. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 4323-4335	2.1	7
210	Excellent photoelectrochemical hydrogen evolution performance of FeSe2 nanorod/ZnSe 0D/1D heterostructure as efficiency carriers migrate channel. *International Journal of Hydrogen Energy*, **2020**, 45, 8526-8539	6.7	12
209	Construction of highly efficient non-enzymatic glucose sensors based on micro-spherical Ni-metal-organic frameworks. *Functional Materials Letters*, **2020**, 13, 2050022	1.2	3
208	Mixed 3D/2D dimensional TiO2 nanoflowers/MoSe2 nanosheets for enhanced photoelectrochemical hydrogen generation. *Journal of the American Ceramic Society*, **2020**, 103, 1187-1196	3.8	10
207	Excellent photoelectrochemical activity of Bi2S3 nanorod/TiO2 nanoplate composites with dominant {001} facets. *Journal of Solid State Chemistry*, **2020**, 281, 121041	3.3	14
206	Constructing 1D/2D heterojunction photocatalyst from FeSe2 nanorods and MoSe2 nanoplates with high photocatalytic and photoelectrochemical performance. *International Journal of Energy Research*, **2020**, 44, 1205-1217	4.5	13
205	Energy Manipulation in Lanthanide-Doped Core-Shell Nanoparticles for Tunable Dual-Mode Luminescence toward Advanced Anti-Counterfeiting. *Advanced Materials*, **2020**, 32, e2002121	24	61
204	Electronic structure of bulk and two-dimensional SrTiO3: DFT calculation with GGA + U methods. *Journal of Nanoparticle Research*, **2020**, 22, 1	2.3	2
203	Schottky junction effect enhanced plasmonic photocatalysis by TaON@Ni NP heterostructures. *Chemical Communications*, **2019**, 55, 11754-11757	5.8	38

202	Novel cyan-emitting KBaScSi2O7:Eu2+ phosphors with ultrahigh quantum efficiency and excellent thermal stability for WLEDs. *Journal of the American Ceramic Society*, **2019**, 102, 7376-7385	3.8	21
201	Tailoring frequency-insensitive large field-induced strain and energy storage properties in (BaCa)(ZrTi)O-modified (BiNa)TiO lead-free ceramics. *Dalton Transactions*, **2019**, 48, 10160-10173	4.3	36
200	A microporous metal□organic framework with soc topology for adsorption and separation selectivity of C2H2/CO2. *Chemical Papers*, **2019**, 73, 2371-2375	1.9	3
199	Elemental Behaviors of Molten FeO-SiO2-Fe3O4-Based Copper Slags. *Jom*, **2019**, 71, 1997-2002	2.1	4
198	Polymer solar cells employing conjugated polyelectrolytes with different countercations. *Colloid and Polymer Science*, **2019**, 297, 1313-1319	2.4	2
197	Fabrication of SnO2/pyrolytic carbon nanosphere via methods of precursor atomization and combustion as a high reversibility anode for sodium storage. *Journal of Solid State Chemistry*, **2019**, 277, 556-563	3.3	2
196	Constructing hierarchical cobalt doped SnO2/carbon cluster as high reversible and high capacity anodes for sodium storage. *Journal of Electroanalytical Chemistry*, **2019**, 848, 113327	4.1	4
195	Co□P Bonds as Atomic-Level Charge Transfer Channel To Boost Photocatalytic H2 Production of Co2P/Black Phosphorus Nanosheets Photocatalyst. *ACS Catalysis*, **2019**, 9, 7801-7807	13.1	70
194	TaN nanorods encapsulated into 3D hydrangea-like MoS for enhanced photocatalytic hydrogen evolution under visible light irradiation. *Dalton Transactions*, **2019**, 48, 13176-13183	4.3	18
193	Efficient photoelectrochemical water splitting of stainless steel electrocatalyst modified TiO2 films. *Journal of Alloys and Compounds*, **2019**, 803, 546-553	5.7	1
192	A DFT computational study of the mechanism of super-high oxygen evolution potential of W doped SnO2 anodes. *Journal of Electroanalytical Chemistry*, **2019**, 855, 113499	4.1	1
191	3D nanoflower-structured TiO2 photoanode for efficient photoelectrochemical water splitting. *International Journal of Materials Research*, **2019**, 110, 781-787	0.5	3
190	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
189	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
188	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
187	Insights into the origin of super-high oxygen evolution potential of Cu doped SnO2 anodes: A theoretical study. *Applied Surface Science*, **2019**, 471, 149-153	6.7	11
186	Photocatalytic study of a novel crystal facets sensitive heterojunction between Sb8O11Cl2 and anatase TiO2 with different exposed facets. *Dyes and Pigments*, **2019**, 160, 530-539	4.6	17
185	Controllable SET process in O-Ti-Sb-Te based phase change memory for synaptic application. *Applied Physics Letters*, **2018**, 112, 073106	3.4	28

184	MoS2 nanosheet/ZnO nanowire hybrid nanostructures for photoelectrochemical water splitting. *Journal of the American Ceramic Society*, **2018**, 101, 3989-3996	3.8	18
183	Pairing high piezoelectric properties and enhanced thermal stability in grain-oriented BNT-based lead-free piezoceramics. *Ceramics International*, **2018**, 44, 11402-11409	5.1	14
182	Efficient rare-earth free red-emitting CaYSbO:Mn,M(M = Li, Na, K, Mg) phosphors for white light-emitting diodes. *Dalton Transactions*, **2018**, 47, 6528-6537	4.3	81
181	Bundle-shaped NaYF4 microrods: Hydrothermal synthesis, Gd-mediated downconversion luminescence and ratiometric temperature sensing. *Ceramics International*, **2018**, 44, 7930-7938	5.1	28
180	3D flowerlike TiO2/GO and TiO2/MoS2 heterostructures with enhanced photoelectrochemical water splitting. *Journal of Materials Science*, **2018**, 53, 7609-7620	4.3	15
179	Hydrothermal Synthesis of Monodispersed LiMnPO4 (010) Nanobelts and [001] Nanorods and Their Applications in Lithium-Ion Batteries. *European Journal of Inorganic Chemistry*, **2018**, 2018, 1533-1539	2.3	23
178	Large electrostrictive effect in lead-free (Bi.5Na.5)TiO3-based composite piezoceramics. *Ceramics International*, **2018**, 44, 8628-8634	5.1	22
177	Effects of Piezoelectric Potential of ZnO on Resistive Switching Characteristics of Flexible ZnO/TiO2 Heterojunction Cells. *Journal of Electronic Materials*, **2018**, 47, 1762-1767	1.9	5
176	A new metal-organic framework for separation of C2H2/CH4 and CO2/CH4 at room temperature. *Journal of Solid State Chemistry*, **2018**, 260, 31-33	3.3	18
175	Study on the phase change behavior of nitrogen doped Bi2Te3 films. *Journal of Alloys and Compounds*, **2018**, 754, 227-231	5.7	6
174	Highly stable Y(III)-based metal organic framework with two molecular building block for selective adsorption of C2H2 and CO2 over CH4. *Inorganic Chemistry Frontiers*, **2018**, 5, 1193-1198	6.8	40
173	Impact of Various Charge States of Hydrogen on Passivation of Dislocation in Silicon. *Electronic Materials Letters*, **2018**, 14, 574-580	2.9	6
172	A study of constructing heterojunction between two-dimensional transition metal sulfides (MoS 2 and WS 2) and (101), (001) faces of TiO 2. *Applied Surface Science*, **2018**, 430, 424-437	6.7	41
171	Sn-MOF derived bimodal-distributed SnO2 nanosphere as a high performance anode of sodium ion batteries with high gravimetric and volumetric capacities. *Materials Research Bulletin*, **2018**, 99, 45-51	5.1	40
170	Ultrafast synthesis of Mn0.8Co0.2CO3/graphene composite as anode material by microwave solvothermal strategy with enhanced Li storage properties. *Materials Letters*, **2018**, 210, 267-270	3.3	13
169	Tunable Optical Properties and Enhanced Thermal Quenching of Non-Rare-Earth Double-Perovskite (BaSr)YSbO:Mn Red Phosphors Based on Composition Modulation. *Inorganic Chemistry*, **2018**, 57, 8978-8987	5.1	91
168	Cu nanoparticles hybridized with ZnO thin film for enhanced photoelectrochemical oxygen evolution. *Journal of Alloys and Compounds*, **2018**, 768, 830-837	5.7	23
167	A promising Ti/SnO2 anodes modified by Nb/Sb co-doping. *Journal of Electroanalytical Chemistry*, **2018**, 824, 169-174	4.1	17

166	Curved surface TiO2 nanodrums coupled with MoS2 as heterojunction photocatalysts with enhancing photocatalytic activity. *Materials Letters*, **2018**, 229, 277-280	3.3	29
165	Reverse synthesis of CsPbxMn1−x(Cl/Br)3 perovskite quantum dots from CsMnCl3 precursors through cation exchange. *Journal of Materials Chemistry C*, **2018**, 6, 5908-5915	7.1	15
164	Structure and microwave dielectric properties of a novel low-firing Ba1−xSrxCo2V2O8 ceramics. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 17353-17359	2.1	2
163	Effects of barium ions non-stoichiometry on the microstructure and microwave properties of BaCo2V2O8 ceramics. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 12771-12776	2.1	2
162	A novel oxygen vacancy introduced microstructural reconstruction of SnO2-graphene nanocomposite: Demonstration of enhanced electrochemical performance for sodium storage. *Electrochimica Acta*, **2018**, 282, 351-361	6.7	18
161	Electromechanical response and piezoelectric properties in (Ba0.85Ca0.15)(Zr0.1Ti0.9)O3 piezoceramics using nano-sized AlN modification. *Ceramics International*, **2018**, 44, 16040-16050	5.1	14
160	Transparent sol-gel glass ceramics containing β-NaYF4:Yb3+/Er3+ nanocrystals: Structure, upconversion luminescent properties and optical thermometry behavior. *Ceramics International*, **2018**, 44, 16379-16387	5.1	23
159	Synthesis and characterization of polyelectrolytes based on benzotriazole backbone. *Colloid and Polymer Science*, **2018**, 296, 1-9	2.4	9
158	Introducing catalyst in alkaline membrane for improved performance direct borohydride fuel cells. *Journal of Power Sources*, **2018**, 374, 113-120	8.9	12
157	Easily removable visible-light-driven photocatalyst of nickel modified SnS2 nanosheets for reduction of Cr(VI). *Journal of Alloys and Compounds*, **2018**, 735, 1314-1318	5.7	17
156	High carriers transmission efficiency ZnS/SnS2 heterojunction channel toward excellent photoelectrochemical activity. *Journal of the American Ceramic Society*, **2018**, 102, 2810	3.8	2
155	Performance Improvement of Assembled Multi-Walled Carbon Nanotube Network/Si Solar Cells Decorated with Metal Nanoparticles. *ChemistrySelect*, **2018**, 3, 9736-9742	1.8	2
154	Microporous metal–organic framework with open Cu2+ functional sites and optimized pore size for C2H2 storage and CH4 purification. *Polyhedron*, **2018**, 155, 332-336	2.7	6
153	Ce3+/Tb3+ co-doped β-NaYF4 dual-emitting phosphors for self-referencing optical thermometry. *Journal of Alloys and Compounds*, **2018**, 763, 85-93	5.7	35
152	Enhanced luminescence of a BaGdSbO:Mn red phosphor via cation doping for warm white light-emitting diodes. *Dalton Transactions*, **2018**, 47, 8248-8256	4.3	93
151	β-NaYF4:Yb3+/Er3+ nanocrystals embedded sol-gel glass ceramics for self-calibrated optical thermometry. *Ceramics International*, **2018**, 44, 14884-14890	5.1	7
150	A review on nanostructured glass ceramics for promising application in optical thermometry. *Journal of Alloys and Compounds*, **2018**, 763, 34-48	5.7	187
149	Enhanced thermal stability, hardening of piezoelectric property, and mediated electromechanical response in (Bi0.5Na0.5)TiO3-based piezoceramics via composite approach. *Ceramics International*, **2018**, 44, 17022-17032	5.1	6

148	Controlled cooling process for efficient hydrogenation. *Journal of Alloys and Compounds*, **2017**, 698, 892-897	3.7	10
147	Optical absorptions in ZnO/a-Si distributed Bragg reflectors. *Journal of Nanoparticle Research*, **2017**, 19, 1	2.3	1
146	Constructing a Novel nþÐ Dual Heterojunction between Anatase TiO2 Nanosheets with Coexposed {101}, {001} Facets and Porous ZnS for Enhancing Photocatalytic Activity. *Journal of Physical Chemistry C*, **2017**, 121, 6133-6140	3.8	42
145	NaNbO 3 templates-induced phase evolution and enhancement of electromechanical properties in grain oriented lead-free BNT-based piezoelectric materials. *Journal of the European Ceramic Society*, **2017**, 37, 2591-2604	6	67
144	Functionalization of polyvinyl alcohol composite membrane by CoOOH for direct borohydride fuel cells. *Electrochemistry Communications*, **2017**, 77, 1-4	5.1	8
143	Hydrothermal synthesis, energy transfer and luminescent properties of ÐNaLuF4:Ce3+/Gd3+/Sm3+ microcrystals. *Journal of Luminescence*, **2017**, 186, 109-116	3.8	8
142	Stable nonpolar resistive switching characteristics in Cu/Cu-dispersed ZrO2/Pt memory devices. *Applied Physics Letters*, **2017**, 110, 093507	3.4	18
141	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. *Surface and Coatings Technology*, **2017**, 322, 120-126	4.4	20
140	UV-assisted mechanoluminescence properties of SrAl2O4:(Eu,Dy) for impact sensing. *Journal of Materials Science*, **2017**, 52, 8370-8376	4.3	5
139	Preparation and characterization of ZnO/ZIF-8 composite with selective photoelectrochemical responses. *Materials Letters*, **2017**, 201, 165-168	3.3	3
138	Size-controlled synthesis, growth mechanism and magnetic properties of cobalt microspheres. *Materials Letters*, **2017**, 201, 27-30	3.3	5
137	Laser in-situ synthesis of SnO2/N-doped graphene nanocomposite with enhanced lithium storage properties based on both alloying and insertion reactions. *Applied Surface Science*, **2017**, 422, 645-653	6.7	15
136	A New Microporous Metal-Organic Framework for Highly Selective C2H2/CH4 and C2H2/CO2 Separation at Room Temperature. *Chinese Journal of Chemistry*, **2017**, 35, 1289-1293	4.9	4
135	Carbon layer application in phase change memory to reduce power consumption and atomic migration. *Materials Letters*, **2017**, 206, 52-55	3.3	6
134	Efficient ternary polymer solar cells by doping fullerene derivatives. *Thin Solid Films*, **2017**, 636, 20-25	2.2	5
133	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
132	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. *Applied Surface Science*, **2017**, 420, 839-848	6.7	68
131	A novel microstructural reconstruction phenomenon and electrochemical performance of cactus-like SnO2/carbon composites as anode materials for Na-ion batteries. *Electrochimica Acta*, **2017**, 245, 587-596	6.7	20

130	808 nm NIR light excited single-band red upconversion emission in lanthanide-doped KMnF3 nanocrystals. *Journal of Alloys and Compounds*, **2017**, 721, 531-537	5.7	16
129	A novel NbO-type metal-organic framework for highly separation of methane from C2-hydrocarbon at room temperature. *Materials Letters*, **2017**, 196, 112-114	3.3	14
128	Monodispersed YF3:Ce3+/Tb3+/Eu3+ mesocrystals: hydrothermal synthesis and optical temperature sensing behavior. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 9489-9494	2.1	9
127	Phase transition, switching characteristics of MPB compositions and large strain in lead-free (Bi0.5Na0.5)TiO3-based piezoceramics. *Journal of Alloys and Compounds*, **2017**, 709, 646-657	5.7	20
126	Low electric field-driven giant strain response in <001> textured BNT-based lead-free piezoelectric materials. *Journal of Materials Science*, **2017**, 52, 3169-3178	4.3	15
125	Control of bulk homochirality and proton conductivity in isostructural chiral metal-organic frameworks. *Chemical Communications*, **2017**, 53, 1892-1895	5.8	37
124	Reconstruction of TiO/MnO-C nanotube/nanoflake core/shell arrays as high-performance supercapacitor electrodes. *Nanotechnology*, **2017**, 28, 055405	3.4	74
123	Lead-free BNT-based composite materials: enhanced depolarization temperature and electromechanical behavior. *Dalton Transactions*, **2017**, 46, 15340-15353	4.3	31
122	Synchrotron radiation in situ X-ray absorption fine structure and in situ X-ray diffraction analysis of a high-performance cobalt catalyst towards the oxygen reduction reaction. *Physical Chemistry Chemical Physics*, **2017**, 19, 30749-30755	3.6	2
121	Novel red-emitting Sr 2 LaSbO 6 :Eu 3+ phosphor with enhanced 5 D 0 -> 7 F 4 transition for warm white light-emitting diodes. *Dyes and Pigments*, **2017**, 146, 272-278	4.6	71
120	Reduced TiO2 nanoflower structured photoanodes for superior photoelectrochemical water splitting. *Journal of Alloys and Compounds*, **2017**, 724, 280-286	5.7	32
119	Lanthanide-doped LuF3 mesocrystals for optical thermometry. *Materials Letters*, **2017**, 189, 5-8	3.3	19
118	STUDIES ON STRUCTURAL AND RESISTIVE SWITCHING PROPERTIES OF Al/ZnO/Al STRUCTURED RESISTIVE RANDOM ACCESS MEMORY. *Surface Review and Letters*, **2017**, 24, 1750048	1.1	5
117	Synthesis and spectroscopic investigation of Ba3La6(SiO4)6:Eu2+ green phosphors for white light-emitting diodes. *Chemical Engineering Journal*, **2017**, 309, 795-801	14.7	77
116	Grain-orientated lead-free BNT-based piezoceramics with giant electrostrictive effect. *Ceramics International*, **2017**, 43, 3339-3345	5.1	35
115	Hydropowered photoelectrochemical water splitting solar cell for hydrogen production. *Journal of Alloys and Compounds*, **2017**, 691, 750-754	5.7	14
114	Constructing two-dimension MoS2/Bi2WO6 core-shell heterostructure as carriers transfer channel for enhancing photocatalytic activity. *Materials Research Bulletin*, **2017**, 85, 140-146	5.1	72
113	Near-Infrared Quantum Cutting of Ln3+/Yb3+ (Ln = Pr, Tb, Tm) Couples in Ca3Ga2Ge3O12. *Science of Advanced Materials*, **2017**, 9, 359-366	2.3	5

112	Molten Salt Synthesis of □NaYF4:Yb3+, Ln3+ (Ln = Er, Tm, and Ho) Micro/Nanocrystals with Controllable Morphology and Multicolor Upconversion Luminescence. *Science of Advanced Materials*, **2017**, 9, 688-695	2.3	8
111	Resistive switching characteristics of ZnO/a-TiO 2 bilayer film fabricated on PET/ITO transparent and flexible substrates. *Materials Research Bulletin*, **2016**, 84, 449-454	5.1	12
110	Dual-activator luminescence of RE/TM:Y3Al5O12 (RE = Eu3+, Tb3+, Dy3+; TM = Mn4+, Cr3+) phosphors for self-referencing optical thermometry. *Journal of Materials Chemistry C*, **2016**, 4, 9044-9051	7.1	144
109	Phase structure control and optical spectroscopy of rare-earth activated GdF3 nanocrystal embedded glass ceramics via alkaline-earth/alkali-metal doping. *RSC Advances*, **2016**, 6, 71176-71187	3.7	14
108	Mn-Based Two Dimensional Metal-Organic Framework Material from Benzimidazole-5,6-dicarboxylic Acid. *Chinese Journal of Chemistry*, **2016**, 34, 233-238	4.9	12
107	Metal-Anion Coordination and Linker-Anion Hydrogen Bonding in the Construction of Metal-Organic Frameworks from Bipyrazole. *Chinese Journal of Chemistry*, **2016**, 34, 191-195	4.9	7
106	Effects of boric acid on structural and luminescent properties of BaAl2O4:(Eu2+, Dy3+) phosphors. *Research on Chemical Intermediates*, **2016**, 42, 6557-6566	2.8	2
105	A dual-functional upconversion core@shell nanostructure for white-light-emission and temperature sensing. *Journal of Materials Chemistry C*, **2016**, 4, 6516-6524	7.1	71
104	Ultra-high oxidation potential of Ti/CuSnO2 anodes fabricated by spray pyrolysis for wastewater treatment. *Journal of Alloys and Compounds*, **2016**, 683, 501-505	5.7	13
103	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
102	Enhanced luminescence of Mn4+:Y3Al5O12 red phosphor via impurity doping. *Journal of Materials Chemistry C*, **2016**, 4, 1704-1712	7.1	144
101	Stable and chromaticity-tunable phosphor-in-glass inorganic color converter for high-power warm white light-emitting diode. *Journal of the European Ceramic Society*, **2016**, 36, 1705-1713	6	74
100	Electromechanical properties and structure evolution in BiAlO3-modified Bi0.5Na0.5TiO3□BaTiO3 lead-free piezoceramics. *Journal of Alloys and Compounds*, **2016**, 667, 6-17	5.7	32
99	ZnO photoanodes coated with Ni-based nanostructured electrocatalyst for water oxidation. *Journal of Alloys and Compounds*, **2016**, 661, 201-205	5.7	10
98	Phase transition behavior and enhanced electromechanical properties in (Ba0.85Ca0.15)(ZrxTi1□)O3 lead-free piezoceramics. *Ceramics International*, **2016**, 42, 3598-3608	5.1	27
97	Hexagonal crown-capped NaYF4:Ce3+/Gd3+/Dy3+ microrods: Formation mechanism, energy transfer and luminescence properties. *Journal of Alloys and Compounds*, **2016**, 658, 952-960	5.7	26
96	Anatase nano-TiO2 with exposed curved surface for high photocatalytic activity. *Journal of Alloys and Compounds*, **2016**, 661, 441-447	5.7	41
95	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

94	Temperature-insensitive large strain response with a low hysteresis behavior in BNT-based ceramics. *Ceramics International*, **2016**, 42, 7669-7680	5.1	74
93	New Eu(3+)-activated perovskite La(0.5)Na(0.5)TiO3 phosphors in glass for warm white light emitting diodes. *Dalton Transactions*, **2016**, 45, 4762-70	4.3	74
92	Tailoring Er3+ spectrally pure upconversion in bulk nano-glass-ceramics via lanthanide doping. *Journal of the European Ceramic Society*, **2016**, 36, 679-688	6	11
91	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
90	Heterostructure of epitaxial (001) Bi4Ti3O12 growth on (001) TiO2 for enhancing photocatalytic activity. *Journal of Alloys and Compounds*, **2016**, 654, 71-78	5.7	36
89	Controllable synthesis of lanthanide upconversion nanomaterials through impurity doping **2016**, 211-241		
88	Understanding the effects of TCO work function on the performance of organic solar cells by numerical simulation. *Semiconductor Science and Technology*, **2016**, 31, 065025	1.8	9
87	Bidirectional threshold switching characteristics in Ag/ZrO2/Pt electrochemical metallization cells. *AIP Advances*, **2016**, 6, 085316	1.5	31
86	Controllable synthesis of Bi2WO6(001)/TiO2(001) heterostructure with enhanced photocatalytic activity. *Journal of Alloys and Compounds*, **2016**, 676, 37-45	5.7	44
85	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
84	Light manipulation in upconverting nano-glass-ceramics via Ce3+ doping. *Journal of the European Ceramic Society*, **2016**, 36, 1841-1845	6	8
83	Composition- and temperature-driven phase transition characteristics and associated electromechanical properties in Bi0.5Na0.5TiO3-based lead-free ceramics. *Dalton Transactions*, **2016**, 45, 8573-86	4.3	72
82	Comparison of upconversion luminescent properties and temperature sensing behaviors of □NaYF4:Yb3+/Er3+ nano/microcrystals prepared by various synthetic methods. *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 8254-8270	2.1	16
81	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
80	Effects of nickel doping on the preferred orientation and oxidation potential of Ti/Sb SnO2 anodes prepared by spray pyrolysis. *Journal of Alloys and Compounds*, **2016**, 684, 137-142	5.7	25
79	EuF3/Ga2O3 Dual-Phase Nanostructural Glass Ceramics with Eu2+/Cr3+ Dual-Activator Luminescence for Self-Calibrated Optical Thermometry. *Journal of Physical Chemistry C*, **2016**, 120, 21858-21865	3.8	73
78	Controllable volatile to nonvolatile resistive switching conversion and conductive filaments engineering in Cu/ZrO2/Pt devices. *Journal Physics D: Applied Physics*, **2016**, 49, 445105	3	16
77	Crystal face regulating MoS2/TiO2(001) heterostructure for high photocatalytic activity. *Journal of Alloys and Compounds*, **2016**, 688, 840-848	5.7	83

76	Preparation and characterization of ZnO/SnO2 composite thin films as high-capacity anode for lithium-ion batteries. *Applied Physics A: Materials Science and Processing*, **2015**, 120, 519-524	2.6	11
75	Nd(3+)-Sensitized Ho(3+) Single-Band Red Upconversion Luminescence in Core-Shell Nanoarchitecture. *Journal of Physical Chemistry Letters*, **2015**, 6, 2833-40	6.4	168
74	Hydrothermal Synthesis of Novel K2YbF5:Er3+/Y3+ Microcrystals with Tunable Red□Green Upconversion Luminescence. *Journal of Materials Science*, **2015**, 50, 6779-6785	4.3	9
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