

Zhenguo Ji

List of Publications by Year in descending order

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224
papers

9,253
citations

29994

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all docs

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Novel 0D/2D ZnSe/SnSe heterojunction photocatalysts exhibiting enhanced photocatalytic and photoelectrochemical activities. <i>Journal of Alloys and Compounds</i> , 2022, 897, 163123.	2.8	15
2	Hybrid Ni ₃ N-nitrogen-doped carbon microspheres (Ni ₃ N@C) <i>in situ</i> derived from Ni-MOFs as sensitive non-enzymatic glucose sensors. <i>Materials Technology</i> , 2021, 36, 286-295.	1.5	9
3	Construction of MOFs-based AgI/Ag/Cu ₃ (BTC) ₂ ternary composites as Z-scheme photocatalysts for effective degradation of tetracycline. <i>Bulletin of Materials Science</i> , 2021, 44, 1.	0.8	8
4	Nano-sized FeSe ₂ decorated rGO as a potential anode material with enhanced lithium-ion storage. <i>Sustainable Materials and Technologies</i> , 2021, 29, e00313.	1.7	16
5	Mixed 3D/2D dimensional TiO ₂ nanoflowers/MoSe ₂ nanosheets for enhanced photoelectrochemical hydrogen generation. <i>Journal of the American Ceramic Society</i> , 2020, 103, 1187-1196.	1.9	24
6	Excellent photoelectrochemical activity of Bi ₂ S ₃ nanorod/TiO ₂ nanoplate composites with dominant {001} facets. <i>Journal of Solid State Chemistry</i> , 2020, 281, 121041.	1.4	25
7	Constructing 1D/2D heterojunction photocatalyst from FeSe ₂ nanorods and MoSe ₂ nanoplates with high photocatalytic and photoelectrochemical performance. <i>International Journal of Energy Research</i> , 2020, 44, 1205-1217.	2.2	27
8	Energy Manipulation in Lanthanide-Doped Core-Shell Nanoparticles for Tunable Dual-Mode Luminescence toward Advanced Anti-Counterfeiting. <i>Advanced Materials</i> , 2020, 32, e2002121.	11.1	165
9	Electronic structure of bulk and two-dimensional SrTiO ₃ : DFT calculation with GGA + U methods. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	0.8	7
10	Efficient Nonenzymatic Sensors Based on Ni-MOF Microspheres Decorated with Au Nanoparticles for Glucose Detection. <i>Journal of Electronic Materials</i> , 2020, 49, 4754-4763.	1.0	40
11	Efficient dual-mode luminescence from lanthanide-doped core-shell nanoarchitecture for anti-counterfeiting applications. <i>Nanotechnology</i> , 2020, 31, 365705.	1.3	24
12	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.	2.3	26
13	Ultrathin MoSe ₂ three-dimensional nanospheres as high carriers transmission channel and full spectrum harvester toward excellent photocatalytic and photoelectrochemical performance. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 6519-6528.	3.8	20
14	Polyhedral NiO/C porous composites derived by controlled pyrolysis of Ni-MOF for highly efficient non-enzymatic glucose detection. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 4323-4335.	1.1	17
15	Excellent photoelectrochemical hydrogen evolution performance of FeSe ₂ nanorod/ZnSe 0D/1D heterostructure as efficiency carriers migrate channel. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 8526-8539.	3.8	27
16	Construction of highly efficient non-enzymatic glucose sensors based on micro-spherical Ni-metal-organic frameworks. <i>Functional Materials Letters</i> , 2020, 13, 2050022.	0.7	6
17	High carriers transmission efficiency ZnS/SnS ₂ heterojunction channel toward excellent photoelectrochemical activity. <i>Journal of the American Ceramic Society</i> , 2019, 102, 2810-2819.	1.9	27
18	Polymer solar cells employing conjugated polyelectrolytes with different counteranions. <i>Colloid and Polymer Science</i> , 2019, 297, 1313-1319.	1.0	2

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19	Fabrication of SnO ₂ /pyrolytic carbon nanosphere via methods of precursor atomization and combustion as a high reversibility anode for sodium storage. <i>Journal of Solid State Chemistry</i> , 2019, 277, 556-563.	1.4	4
20	Constructing hierarchical cobalt doped SnO ₂ /carbon cluster as high reversible and high capacity anodes for sodium storage. <i>Journal of Electroanalytical Chemistry</i> , 2019, 848, 113327.	1.9	5
21	Co ²⁺ P 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.	5.5	124
22	Ta ₃ N ₅ nanorods encapsulated into 3D hydrangea-like MoS ₂ for enhanced photocatalytic hydrogen evolution under visible light irradiation. <i>Dalton Transactions</i> , 2019, 48, 13176-13183.	1.6	27
23	Efficient photoelectrochemical water splitting of stainless steel electrocatalyst modified TiO ₂ films. <i>Journal of Alloys and Compounds</i> , 2019, 803, 546-553.	2.8	2
24	A DFT computational study of the mechanism of super-high oxygen evolution potential of W doped SnO ₂ anodes. <i>Journal of Electroanalytical Chemistry</i> , 2019, 855, 113499.	1.9	6
25	Schottky junction effect enhanced plasmonic photocatalysis by TaON@Ni NP heterostructures. <i>Chemical Communications</i> , 2019, 55, 11754-11757.	2.2	52
26	Novel cyanide-emitting KBaScSi ₂ O ₇ :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.	1.9	37
27	Tailoring frequency-insensitive large field-induced strain and energy storage properties in (Ba _{0.85} Ca _{0.15})(Zr _{0.1} Ti _{0.9})O ₃ -modified (Bi _{0.5} Na _{0.5})TiO ₃ lead-free ceramics. <i>Dalton Transactions</i> , 2019, 48, 10160-10173.	1.6	59
28	A microporous metal-organic framework with soc topology for adsorption and separation selectivity of C ₂ H ₂ /CO ₂ . <i>Chemical Papers</i> , 2019, 73, 2371-2375.	1.0	3
29	Elemental Behaviors of Molten FeO-SiO ₂ -Fe ₃ O ₄ -Based Copper Slags. <i>Jom</i> , 2019, 71, 1997-2002.	0.9	7
30	MnS coupled with ultrathin MoS ₂ nanolayers as heterojunction photocatalyst for high photocatalytic and photoelectrochemical activities. <i>Journal of Alloys and Compounds</i> , 2019, 771, 364-372.	2.8	69
31	A novel rare-earth free red-emitting Li ₃ Mg ₂ SbO ₆ :Mn ⁴⁺ phosphor-in-glass for warm w-LEDs: Synthesis, structure, and luminescence properties. <i>Journal of Alloys and Compounds</i> , 2019, 773, 413-422.	2.8	75
32	SnS ₂ nanosheets coupled with 2D ultrathin MoS ₂ nanolayers as face-to-face 2D/2D heterojunction photocatalysts with excellent photocatalytic and photoelectrochemical activities. <i>Journal of Alloys and Compounds</i> , 2019, 775, 726-735.	2.8	67
33	Insights into the origin of super-high oxygen evolution potential of Cu doped SnO ₂ anodes: A theoretical study. <i>Applied Surface Science</i> , 2019, 471, 149-153.	3.1	20
34	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.	2.0	20
35	3D nanoflower-structured TiO ₂ photoanode for efficient photoelectrochemical water splitting. <i>International Journal of Materials Research</i> , 2019, 110, 781-787.	0.1	3
36	Controllable SET process in O-Ti-Sb-Te based phase change memory for synaptic application. <i>Applied Physics Letters</i> , 2018, 112, 073106.	1.5	31

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37	MoS ₂ nanosheet/ZnO nanowire hybrid nanostructures for photoelectrochemical water splitting. <i>Journal of the American Ceramic Society</i> , 2018, 101, 3989-3996.	1.9	32
38	Pairing high piezoelectric properties and enhanced thermal stability in grain-oriented BNT-based lead-free piezoceramics. <i>Ceramics International</i> , 2018, 44, 11402-11409.	2.3	21
39	Efficient rare-earth free red-emitting Ca ₂ YSbO ₆ :Mn ⁴⁺ ,M(M = Tj ETQq1 1 0.784314 rgBT /Ove light-emitting diodes. <i>Dalton Transactions</i> , 2018, 47, 6528-6537.	1.6	100
40	Bundle-shaped $\text{I}^2\text{-NaYF}_4$ microrods: Hydrothermal synthesis, Gd-mediated downconversion luminescence and ratiometric temperature sensing. <i>Ceramics International</i> , 2018, 44, 7930-7938.	2.3	35
41	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.	1.7	19
42	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.	1.0	29
43	Large electrostrictive effect in lead-free (Bi ₅ Na ₅)TiO ₃ -based composite piezoceramics. <i>Ceramics International</i> , 2018, 44, 8628-8634.	2.3	28
44	Effects of Piezoelectric Potential of ZnO on Resistive Switching Characteristics of Flexible ZnO/TiO ₂ Heterojunction Cells. <i>Journal of Electronic Materials</i> , 2018, 47, 1762-1767.	1.0	5
45	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.	1.4	23
46	Study on the phase change behavior of nitrogen doped Bi ₂ Te ₃ films. <i>Journal of Alloys and Compounds</i> , 2018, 754, 227-231.	2.8	9
47	Highly stable Y(scp^{iii}) ₂ -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.	3.0	51
48	Impact of Various Charge States of Hydrogen on Passivation of Dislocation in Silicon. <i>Electronic Materials Letters</i> , 2018, 14, 574-580.	1.0	6
49	A study of constructing heterojunction between two-dimensional transition metal sulfides (MoS ₂) Tj ETQq1 1 0.784314 rgBT /Overl 3.1 57	3.1	57
50	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.	2.7	57
51	Ultrafast synthesis of Mn _{0.8} Co _{0.2} CO ₃ /graphene composite as anode material by microwave solvothermal strategy with enhanced Li storage properties. <i>Materials Letters</i> , 2018, 210, 267-270.	1.3	17
52	Synthesis and characterization of polyelectrolytes based on benzotriazole backbone. <i>Colloid and Polymer Science</i> , 2018, 296, 1-9.	1.0	11
53	Introducing catalyst in alkaline membrane for improved performance direct borohydride fuel cells. <i>Journal of Power Sources</i> , 2018, 374, 113-120.	4.0	17
54	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.	2.8	19

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55	Performance Improvement of Assembled Multi-Walled Carbon Nanotube Network/Si Solar Cells Decorated with Metal Nanoparticles. <i>ChemistrySelect</i> , 2018, 3, 9736-9742.	0.7	4
56	Microporous metal-organic framework with open Cu ²⁺ functional sites and optimized pore size for C ₂ H ₂ storage and CH ₄ purification. <i>Polyhedron</i> , 2018, 155, 332-336.	1.0	7
57	Ce ³⁺ /Tb ³⁺ co-doped λ^2 -NaYF ₄ dual-emitting phosphors for self-referencing optical thermometry. <i>Journal of Alloys and Compounds</i> , 2018, 763, 85-93.	2.8	46
58	Enhanced luminescence of a Ba ₂ GdSbO ₆ :Mn ⁴⁺ red phosphor via cation doping for warm white light-emitting diodes. <i>Dalton Transactions</i> , 2018, 47, 8248-8256.	1.6	118
59	λ^2 -NaYF ₄ :Yb ³⁺ /Er ³⁺ nanocrystals embedded sol-gel glass ceramics for self-calibrated optical thermometry. <i>Ceramics International</i> , 2018, 44, 14884-14890.	2.3	10
60	A review on nanostructured glass ceramics for promising application in optical thermometry. <i>Journal of Alloys and Compounds</i> , 2018, 763, 34-48.	2.8	250
61	Enhanced thermal stability, hardening of piezoelectric property, and mediated electromechanical response in (Bi _{0.5} Na _{0.5})TiO ₃ -based piezoceramics via composite approach. <i>Ceramics International</i> , 2018, 44, 17022-17032.	2.3	15
62	Tunable Optical Properties and Enhanced Thermal Quenching of Non-Rare-Earth Double-Perovskite (Ba _{1-x} Sr _x) ₂ YSbO ₆ :Mn ⁴⁺ Red Phosphors Based on Composition Modulation. <i>Inorganic Chemistry</i> , 2018, 57, 8978-8987.	1.9	124
63	Cu nanoparticles hybridized with ZnO thin film for enhanced photoelectrochemical oxygen evolution. <i>Journal of Alloys and Compounds</i> , 2018, 768, 830-837.	2.8	28
64	A promising Ti/SnO ₂ anodes modified by Nb/Sb co-doping. <i>Journal of Electroanalytical Chemistry</i> , 2018, 824, 169-174.	1.9	26
65	Curved surface TiO ₂ nanodrums coupled with MoS ₂ as heterojunction photocatalysts with enhancing photocatalytic activity. <i>Materials Letters</i> , 2018, 229, 277-280.	1.3	32
66	Reverse synthesis of CsPb _x Mn _{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.	2.7	20
67	Structure and microwave dielectric properties of a novel low-firing Ba _{1-x} Sr _x Co ₂ V ₂ O ₈ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 17353-17359.	1.1	2
68	Effects of barium ions non-stoichiometry on the microstructure and microwave properties of BaCo ₂ V ₂ O ₈ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 12771-12776.	1.1	3
69	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.	2.6	20
70	Electromechanical response and piezoelectric properties in (Ba _{0.85} Ca _{0.15})(Zr _{0.1} Ti _{0.9})O ₃ piezoceramics using nano-sized AlN modification. <i>Ceramics International</i> , 2018, 44, 16040-16050.	2.3	15
71	Transparent sol-gel glass ceramics containing λ^2 -NaYF ₄ :Yb ³⁺ /Er ³⁺ nanocrystals: Structure, upconversion luminescent properties and optical thermometry behavior. <i>Ceramics International</i> , 2018, 44, 16379-16387.	2.3	28
72	Controlled cooling process for efficient hydrogenation. <i>Journal of Alloys and Compounds</i> , 2017, 698, 892-897.	2.8	11

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73	Optical absorptions in ZnO/a-Si distributed Bragg reflectors. Journal of Nanoparticle Research, 2017, 19, 1.	0.8	1
74	Constructing a Novel "n Dual Heterojunction between Anatase TiO ₂ Nanosheets with Coexposed {101}, {001} Facets and Porous ZnS for Enhancing Photocatalytic Activity. Journal of Physical Chemistry C, 2017, 121, 6133-6140.	1.5	51
75	NaNbO ₃ templates-induced phase evolution and enhancement of electromechanical properties in BaTiO_3 grain oriented lead-free BNT-based piezoelectric materials. Journal of the European Ceramic Society, 2017, 37, 2591-2604.	2.8	84
76	Functionalization of polyvinyl alcohol composite membrane by CoOOH for direct borohydride fuel cells. Electrochemistry Communications, 2017, 77, 1-4.	2.3	13
77	Hydrothermal synthesis, energy transfer and luminescent properties of Eu^{2+} -NaLuF ₄ :Ce ³⁺ /Gd ³⁺ /Sm ³⁺ microcrystals. Journal of Luminescence, 2017, 186, 109-116.	1.5	9
78	Stable nonpolar resistive switching characteristics in Cu/Cu-dispersed ZrO ₂ /Pt memory devices. Applied Physics Letters, 2017, 110, .	1.5	18
79	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.	2.2	24
80	UV-assisted mechanoluminescence properties of SrAl ₂ O ₄ :(Eu,Dy) for impact sensing. Journal of Materials Science, 2017, 52, 8370-8376.	1.7	12
81	Preparation and characterization of ZnO/ZIF-8 composite with selective photoelectrochemical responses. Materials Letters, 2017, 201, 165-168.	1.3	4
82	Size-controlled synthesis, growth mechanism and magnetic properties of cobalt microspheres. Materials Letters, 2017, 201, 27-30.	1.3	6
83	Laser in-situ synthesis of SnO ₂ /N-doped graphene nanocomposite with enhanced lithium storage properties based on both alloying and insertion reactions. Applied Surface Science, 2017, 422, 645-653.	3.1	18
84	A New Microporous Metal-Organic Framework for Highly Selective C_2H_2 and C_2H_4 Separation at Room Temperature. Chinese Journal of Chemistry, 2017, 35, 1289-1293.	2.6	5
85	Carbon layer application in phase change memory to reduce power consumption and atomic migration. Materials Letters, 2017, 206, 52-55.	1.3	10
86	Efficient ternary polymer solar cells by doping fullerene derivatives. Thin Solid Films, 2017, 636, 20-25.	0.8	7
87	Novel dual heterojunction between MoS ₂ and anatase TiO ₂ with coexposed {101} and {001} facets. Journal of the American Ceramic Society, 2017, 100, 5274-5285.	1.9	34
88	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.	3.1	81
89	A novel microstructural reconstruction phenomenon and electrochemical performance of cactus-like SnO ₂ /carbon composites as anode materials for Na-ion batteries. Electrochimica Acta, 2017, 245, 587-596.	2.6	21
90	808 nm NIR light excited single-band red upconversion emission in lanthanide-doped KMnF ₃ nanocrystals. Journal of Alloys and Compounds, 2017, 721, 531-537.	2.8	21

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91	A novel NbO-type metal-organic framework for highly separation of methane from C2-hydrocarbon at room temperature. <i>Materials Letters</i> , 2017, 196, 112-114.	1.3	15
92	Monodispersed YF ₃ :Ce ³⁺ /Tb ³⁺ /Eu ³⁺ mesocrystals: hydrothermal synthesis and optical temperature sensing behavior. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 9489-9494.	1.1	16
93	Phase transition, switching characteristics of MPB compositions and large strain in lead-free (Bi _{0.5}) _{1-x} Tj ETQq1 1 0.784314 rgBT /Overl	2.8	27
94	Low electric field-driven giant strain response in CeO_2 textured BNT-based lead-free piezoelectric materials. <i>Journal of Materials Science</i> , 2017, 52, 3169-3178.	1.7	18
95	Control of bulk homochirality and proton conductivity in isostructural chiral metal-organic frameworks. <i>Chemical Communications</i> , 2017, 53, 1892-1895.	2.2	47
96	Reconstruction of TiO ₂ /MnO ₂ -C nanotube/nanoflake core/shell arrays as high-performance supercapacitor electrodes. <i>Nanotechnology</i> , 2017, 28, 055405.	1.3	82
97	Lead-free BNT-based composite materials: enhanced depolarization temperature and electromechanical behavior. <i>Dalton Transactions</i> , 2017, 46, 15340-15353.	1.6	38
98	Synchrotron radiation <i>in situ</i> X-ray absorption fine structure and <i>in situ</i> X-ray diffraction analysis of a high-performance cobalt catalyst towards the oxygen reduction reaction. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 30749-30755.	1.3	7
99	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.	2.0	89
100	Reduced TiO ₂ nanoflower structured photoanodes for superior photoelectrochemical water splitting. <i>Journal of Alloys and Compounds</i> , 2017, 724, 280-286.	2.8	44
101	Lanthanide-doped LuF ₃ mesocrystals for optical thermometry. <i>Materials Letters</i> , 2017, 189, 5-8.	1.3	23
102	STUDIES ON STRUCTURAL AND RESISTIVE SWITCHING PROPERTIES OF Al/ZnO/Al STRUCTURED RESISTIVE RANDOM ACCESS MEMORY. <i>Surface Review and Letters</i> , 2017, 24, 1750048.	0.5	5
103	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.	6.6	95
104	Grain-orientated lead-free BNT-based piezoceramics with giant electrostrictive effect. <i>Ceramics International</i> , 2017, 43, 3339-3345.	2.3	47
105	Hydropowered photoelectrochemical water splitting solar cell for hydrogen production. <i>Journal of Alloys and Compounds</i> , 2017, 691, 750-754.	2.8	16
106	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.	2.7	80
107	Near-Infrared Quantum Cutting of Ln ³⁺ /Yb ³⁺ (Ln = Pr, Tj ETQq1 1 0.784314 rgBT /Overl Advanced Materials, 2017, 9, 359-366.	0.1	5
108	Molten Salt Synthesis of Ln ³⁺ -NaYF ₄ :Yb ³⁺ , Ln ³⁺ (Ln = Er, Tm, and Ho) Micro/Nanocrystals with Controllable Morphology and Multicolor Upconversion Luminescence. <i>Science of Advanced Materials</i> , 2017, 9, 688-695.	0.1	8

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109	Controllable synthesis of lanthanide upconversion nanomaterials through impurity doping. , 2016, , 211-241.		1
110	Understanding the effects of TCO work function on the performance of organic solar cells by numerical simulation. Semiconductor Science and Technology, 2016, 31, 065025.	1.0	14
111	Bidirectional threshold switching characteristics in Ag/ZrO ₂ /Pt electrochemical metallization cells. AIP Advances, 2016, 6, .	0.6	36
112	Controllable synthesis of Bi ₂ WO ₆ (001)/TiO ₂ (001) heterostructure with enhanced photocatalytic activity. Journal of Alloys and Compounds, 2016, 676, 37-45.	2.8	51
113	Highly enhanced upconversion luminescence in lanthanide-doped active-core/luminescent-shell/active-shell nanoarchitectures. Journal of Materials Chemistry C, 2016, 4, 2432-2437.	2.7	62
114	Light manipulation in upconverting nano-glass-ceramics via Ce ³⁺ doping. Journal of the European Ceramic Society, 2016, 36, 1841-1845.	2.8	10
115	Composition- and temperature-driven phase transition characteristics and associated electromechanical properties in Bi _{0.5} Na _{0.5} TiO ₃ -based lead-free ceramics. Dalton Transactions, 2016, 45, 8573-8586.	1.6	84
116	Comparison of upconversion luminescent properties and temperature sensing behaviors of Yb^{2+} -NaYF ₄ :Yb ³⁺ /Er ³⁺ nano/microcrystals prepared by various synthetic methods. Journal of Materials Science: Materials in Electronics, 2016, 27, 8254-8270.	1.1	18
117	Near-single-band red upconversion luminescence in Yb/Er: BiOX (X=Cl, Br) nanoplatelets. Journal of Alloys and Compounds, 2016, 682, 275-283.	2.8	38
118	Effects of nickel doping on the preferred orientation and oxidation potential of Ti/Sb SnO ₂ anodes prepared by spray pyrolysis. Journal of Alloys and Compounds, 2016, 684, 137-142.	2.8	30
119	Eu ₃ /Ga ₂ O ₃ Dual-Phase Nanostructural Glass Ceramics with Eu ²⁺ /Cr ³⁺ Dual-Activator Luminescence for Self-Calibrated Optical Thermometry. Journal of Physical Chemistry C, 2016, 120, 21858-21865.	1.5	89
120	Controllable volatile to nonvolatile resistive switching conversion and conductive filaments engineering in Cu/ZrO ₂ /Pt devices. Journal Physics D: Applied Physics, 2016, 49, 445105.	1.3	23
121	Crystal face regulating MoS ₂ /TiO ₂ (001) heterostructure for high photocatalytic activity. Journal of Alloys and Compounds, 2016, 688, 840-848.	2.8	94
122	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.	2.7	16
123	Dual-activator luminescence of RE/TM:Y ₃ Al ₅ O ₁₂ (RE =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 phosphors for self-referencing optical thermometry. Journal of Materials Chemistry C, 2016, 4, 9044-9051.	2.7	195
124	Phase structure control and optical spectroscopy of rare-earth activated GdF ₃ nanocrystal embedded glass ceramics via alkaline-earth/alkali-metal doping. RSC Advances, 2016, 6, 71176-71187.	1.7	16
125	Mn-Based Two Dimensional Metal-Organic Framework Material from Benzimidazole-5,6-dicarboxylic Acid. Chinese Journal of Chemistry, 2016, 34, 233-238.	2.6	12
126	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.	2.6	7

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127	Effects of boric acid on structural and luminescent properties of BaAl ₂ O ₄ :(Eu ²⁺ , Dy ³⁺) phosphors. Research on Chemical Intermediates, 2016, 42, 6557-6566.	1.3	9
128	A dual-functional upconversion core@shell nanostructure for white-light-emission and temperature sensing. Journal of Materials Chemistry C, 2016, 4, 6516-6524.	2.7	81
129	Ultra-high oxidation potential of Ti/Cu SnO ₂ anodes fabricated by spray pyrolysis for wastewater treatment. Journal of Alloys and Compounds, 2016, 683, 501-505.	2.8	20
130	A novel metal-organic framework for high storage and separation of acetylene at room temperature. Journal of Solid State Chemistry, 2016, 241, 152-156.	1.4	34
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