

Jun-Ying Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4722754/publications.pdf>

Version: 2024-02-01

193
papers

10,243
citations

31949

53
h-index

40954

93
g-index

196
all docs

196
docs citations

196
times ranked

12372
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Bi-dopant and co-catalysts upon hole surface trapping on La ₂ Ti ₂ O ₇ nanosheet photocatalysts in overall solar water splitting. Nano Research, 2022, 15, 438-445.	5.8	16
2	Spatial carrier separation in cobalt phosphate deposited ZnIn ₂ S ₄ nanosheets for efficient photocatalytic hydrogen evolution. Journal of Colloid and Interface Science, 2022, 606, 317-327.	5.0	27
3	Concentrating electron and activating H-OH bond of absorbed water on metallic NiCo ₂ S ₄ boosting photocatalytic hydrogen evolution. Nano Energy, 2022, 95, 107028.	8.2	78
4	Protruding Pt single-sites on hexagonal ZnIn ₂ S ₄ to accelerate photocatalytic hydrogen evolution. Nature Communications, 2022, 13, 1287.	5.8	198
5	Sunlight driven isotropic Bi ₂ O ₃ with high charge-carrier mobility for the efficient degradation of bisphenol A and phenol. Dalton Transactions, 2022, 51, 8401-8410.	1.6	10
6	Construction of a 3D/2D plasmonic Z-scheme heterojunction with electrostatic self-assembly for full-spectrum solar-light driven photocatalytic protons reduction. Materials Today Advances, 2022, 15, 100249.	2.5	3
7	W ⁵⁺ Pair Induced LSPR of W ₁₈ O ₄₉ to Sensitize ZnIn ₂ S ₄ for Full-Spectrum Solar-Light-Driven Photocatalytic Hydrogen Evolution. Advanced Functional Materials, 2022, 32, .	7.8	48
8	Coarse-grained reduced Mo Ti ⁺ Nb ₂ O ₇ anodes for high-rate lithium-ion batteries. Energy Storage Materials, 2021, 34, 574-581.	9.5	13
9	In situ growth of BiVO ₄ /HoVO ₄ heterojunction with O-O bond connection for enhanced photodegradation activity. Materials Letters, 2021, 284, 128952.	1.3	8
10	Microwave-initiated recombination of hydrogen bonds of a perylene diimide supramolecule for PPCP photodegradation. Catalysis Science and Technology, 2021, 11, 3787-3798.	2.1	6
11	Photogenerated charge separation and recombination path modification in monocline Lu ₂ WO ₆ via lattice transition and Bi ⁺ O antibonding states. Dalton Transactions, 2021, 50, 6659-6666.	1.6	7
12	Tackling Challenges in Perovskite-Type Metal Oxide Photocatalysts. Energy Technology, 2021, 9, 2001019.	1.8	16
13	Lateral p-n Homo Junction formed by Local Doping for High-Performance Photodetector. , 2021, , .		0
14	Semiconductor heterojunction photocatalysts with near-infrared light antennas: a review. Journal Physics D: Applied Physics, 2021, 54, 313002.	1.3	12
15	Reversible 3D optical data storage and information encryption in photo-modulated transparent glass medium. Light: Science and Applications, 2021, 10, 140.	7.7	95
16	Preparation of 0D/2D ZnFe ₂ O ₄ /Fe-doped g-C ₃ N ₄ hybrid photocatalysts for visible light N ₂ fixation. Journal of Alloys and Compounds, 2021, 869, 158809.	2.8	23
17	van der Waals g-C ₃ N ₄ /BiLuWO ₆ Heterojunctions from Theoretical Predictions to Photocatalytic Applications. Journal of Physical Chemistry C, 2021, 125, 19763-19772.	1.5	6
18	Visible-light-driven water splitting by yolk-shelled ZnIn ₂ S ₄ -based heterostructure without noble-metal co-catalyst and sacrificial agent. Applied Catalysis B: Environmental, 2021, 297, 120391.	10.8	58

#	ARTICLE	IF	CITATIONS
19	High efficiency degradation of tetracycline and rhodamine B using Z-type BaTiO ₃ /Bi ₂ O ₃ heterojunction. Separation and Purification Technology, 2021, 278, 119666.	3.9	12
20	Photocatalytic H ₂ evolution over sulfur vacancy-rich ZnIn ₂ S ₄ hierarchical microspheres under visible light. Journal of Materials Science, 2021, 56, 19439-19451.	1.7	13
21	Boosting the photocatalytic H ₂ evolution activity of a CdS/N-doped ZnIn ₂ S ₄ direct Z-scheme heterostructure using a band alignment regulation strategy. Sustainable Energy and Fuels, 2021, 5, 6441-6448.	2.5	4
22	Enhancing Photocatalytic Hydrogen Production of g-C ₃ N ₄ by Selective Deposition of Pt Cocatalyst. Nanomaterials, 2021, 11, 3266.	1.9	10
23	Advances in anti-relaxation coatings of alkali-metal vapor cells. Applied Surface Science, 2020, 501, 143897.	3.1	19
24	Ultrathin ZnIn ₂ S ₄ nanosheets with active (110) facet exposure and efficient charge separation for cocatalyst free photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2020, 265, 118616.	10.8	132
25	Two types of cooperative nitrogen vacancies in polymeric carbon nitride for efficient solar-driven H ₂ O ₂ evolution. Applied Catalysis B: Environmental, 2020, 265, 118581.	10.8	113
26	Highly Efficient Metal-Free Two-Dimensional Luminescent Melem Nanosheets for Bioimaging. ACS Applied Materials & Interfaces, 2020, 12, 2145-2151.	4.0	27
27	Theory-Guided Defect Tuning through Topochemical Reactions for Accelerated Discovery of LVC Persistent Phosphors. Advanced Optical Materials, 2020, 8, 1901727.	3.6	20
28	Essential role of oxygen vacancy in electrochromic performance and stability for WO ₃ -y films induced by atmosphere annealing. Electrochimica Acta, 2020, 332, 135504.	2.6	52
29	Realization of valley polarization in monolayer WS ₂ via 3d transition metal atom adsorption. Journal Physics D: Applied Physics, 2020, 53, 384001.	1.3	5
30	Inert basal plane activation of two-dimensional ZnIn ₂ S ₄ via Ni atom doping for enhanced co-catalyst free photocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2020, 8, 13376-13384.	5.2	79
31	Antithermal Quenching of Luminescence in Zero-Dimensional Hybrid Metal Halide Solids. Journal of Physical Chemistry Letters, 2020, 11, 2902-2909.	2.1	49
32	High-Performance Optoelectronics: Lateral 2D WSe ₂ p-n Homojunction Formed by Efficient Charge-Carrier-Type Modulation for High-Performance Optoelectronics (Adv. Mater. 9/2020). Advanced Materials, 2020, 32, 2070067.	11.1	2
33	Spin pumping during the antiferromagnetic-ferromagnetic phase transition of iron-rhodium. Nature Communications, 2020, 11, 275.	5.8	41
34	Facile synthesis of CTAB assisted hierarchical-structure TiO ₂ @SnO ₂ for lithium storage. Solid State Sciences, 2020, 100, 106114.	1.5	3
35	Lateral 2D WSe ₂ p-n Homojunction Formed by Efficient Charge-Carrier-Type Modulation for High-Performance Optoelectronics. Advanced Materials, 2020, 32, e1906499.	11.1	103
36	Two-photon induced NIR active core-shell structured WO ₃ /CdS for enhanced solar light photocatalytic performance. Applied Catalysis B: Environmental, 2020, 272, 118979.	10.8	62

#	ARTICLE	IF	CITATIONS
37	One-step synthesis of high photocatalytic graphitic carbon nitride porous nanosheets. <i>Nanotechnology</i> , 2020, 31, 464001.	1.3	10
38	Defective [Bi ₂ O ₂] ²⁺ Layers Exhibiting Ultrabroad Near-Infrared Luminescence. <i>Chemistry - A European Journal</i> , 2019, 25, 12842-12848.	1.7	4
39	Achieving giant spin-orbit splitting in conduction band of monolayer WS ₂ via n-p co-doping. <i>AIP Advances</i> , 2019, 9, 075304.	0.6	6
40	Hierarchical-structure anatase TiO ₂ with conductive network for high-rate and high-loading lithium-ion battery. <i>Science Bulletin</i> , 2019, 64, 1148-1151.	4.3	22
41	Role of Halogen Atoms on High-Efficiency Mn ²⁺ Emission in Two-Dimensional Hybrid Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4706-4712.	2.1	31
42	Theoretical studies on the energy structures and optical properties of copper cysteamine " a novel sensitizer. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 21084-21093.	1.3	7
43	Two-dimensional TiO ₂ -g-C ₃ N ₄ with both Ti N and C O bridges with excellent conductivity for synergistic photoelectrocatalytic degradation of bisphenol A. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 227-235.	5.0	51
44	Investigating the interlayer electron transport and its influence on the whole electric properties of black phosphorus. <i>Science Bulletin</i> , 2019, 64, 254-260.	4.3	16
45	High performance in electrochromic amorphous WO _x film with long-term stability and tunable switching times via Al/Li-ions intercalation/deintercalation. <i>Electrochimica Acta</i> , 2019, 318, 644-650.	2.6	43
46	High-Efficiency Violet-Emitting All-Inorganic Perovskite Nanocrystals Enabled by Alkaline-Earth Metal Passivation. <i>Chemistry of Materials</i> , 2019, 31, 3974-3983.	3.2	90
47	Effect of Dy ³⁺ and Eu ³⁺ 4f Band Gap States on Luminescence and Energy Transfer in Monoclinic Lutetium Tungstate. <i>ACS Applied Electronic Materials</i> , 2019, 1, 772-782.	2.0	26
48	Exploration of TiO ₂ nanoparticle mediated microdynamic therapy on cancer treatment. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 18, 272-281.	1.7	51
49	Unraveling the mechanochemical synthesis and luminescence in MnII-based two-dimensional hybrid perovskite (C ₄ H ₉ NH ₃) ₂ PbCl ₄ . <i>Science China Materials</i> , 2019, 62, 1013-1022.	3.5	26
50	Defects enhanced photoluminescence of Mn ²⁺ -doped ZrP ₂ O ₇ blue LLP materials. <i>Journal of Alloys and Compounds</i> , 2019, 789, 375-380.	2.8	24
51	Insights into the local structure of dopants, doping efficiency, and luminescence properties of lanthanide-doped CsPbCl ₃ perovskite nanocrystals. <i>Journal of Materials Chemistry C</i> , 2019, 7, 3037-3048.	2.7	79
52	Activating MoS ₂ basal planes for hydrogen evolution through direct CVD morphology control. <i>Journal of Materials Chemistry A</i> , 2019, 7, 27603-27611.	5.2	24
53	Hydrogen atom etching induced large-size ultrathin g-C ₃ N ₄ nanosheets for enhanced photoluminescence. <i>Journal of Luminescence</i> , 2019, 206, 660-665.	1.5	14
54	Facile access to shape-controlled growth of WS ₂ monolayer via environment-friendly method. <i>2D Materials</i> , 2019, 6, 015007.	2.0	18

#	ARTICLE	IF	CITATIONS
55	Structural, optical and photoluminescence properties of Ga ₂ O ₃ thin films deposited by vacuum thermal evaporation. <i>Journal of Luminescence</i> , 2019, 206, 53-58.	1.5	53
56	Black phosphorus-CdS-La ₂ Ti ₂ O ₇ ternary composite: Effective noble metal-free photocatalyst for full solar spectrum activated H ₂ production. <i>Applied Catalysis B: Environmental</i> , 2019, 242, 441-448.	10.8	105
57	Nitric acid-treated birnessite-type MnO ₂ : An efficient and hydrophobic material for humid ozone decomposition. <i>Applied Surface Science</i> , 2018, 442, 640-649.	3.1	98
58	Cs ₄ PbBr ₆ /CsPbBr ₃ Perovskite Composites with Near-Unity Luminescence Quantum Yield: Large-Scale Synthesis, Luminescence and Formation Mechanism, and White Light-Emitting Diode Application. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 15905-15912.	4.0	135
59	Transformation of Perovskite BaBiO ₃ into Layered BaBiO _{2.5} Crystals Featuring Unusual Chemical Bonding and Luminescence. <i>Chemistry - A European Journal</i> , 2018, 24, 8875-8882.	1.7	1
60	X-ray excited luminescence and persistent luminescence of Sr ₂ MgSi ₂ O ₇ :Eu ²⁺ , Dy ³⁺ and their associations with synthesis conditions. <i>Journal of Luminescence</i> , 2018, 198, 132-137.	1.5	23
61	Potassium associated manganese vacancy in birnessite-type manganese dioxide for airborne formaldehyde oxidation. <i>Catalysis Science and Technology</i> , 2018, 8, 1799-1812.	2.1	117
62	Enhanced Stability of Black Phosphorus Field-Effect Transistors via Hydrogen Treatment. <i>Advanced Electronic Materials</i> , 2018, 4, 1700455.	2.6	19
63	Ultrafast Charge Separation for Full Solar Spectrum-Activated Photocatalytic H ₂ Generation in a Black Phosphorus@Au@CdS Heterostructure. <i>ACS Energy Letters</i> , 2018, 3, 932-939.	8.8	122
64	Electro-optical performance of inorganic monolithic electrochromic device with a pulsed DC sputtered Li _x Mg _y N ion conductor. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 275-283.	1.2	17
65	Au Nanorod Photosensitized La ₂ Ti ₂ O ₇ Nanosteps: Successive Surface Heterojunctions Boosting Visible to Near-Infrared Photocatalytic H ₂ Evolution. <i>ACS Catalysis</i> , 2018, 8, 122-131.	5.5	114
66	X-ray-activated long persistent phosphors featuring strong UVC afterglow emissions. <i>Light: Science and Applications</i> , 2018, 7, 88.	7.7	159
67	Yb ³⁺ Doping Monoclinic Lu ₂ WO ₆ : Near-Infrared Emission and Energy-Transfer Luminescence Mechanism. <i>Journal of Physical Chemistry C</i> , 2018, 122, 21607-21616.	1.5	13
68	Thermal convection induced TiO ₂ microclews as superior electrode materials for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 11688-11693.	5.2	38
69	Doping-Enhanced Short-Range Order of Perovskite Nanocrystals for Near-Unity Violet Luminescence Quantum Yield. <i>Journal of the American Chemical Society</i> , 2018, 140, 9942-9951.	6.6	548
70	Effects of Defects on Photocatalytic Activity of Hydrogen-Treated Titanium Oxide Nanobelts. <i>ACS Catalysis</i> , 2017, 7, 1742-1748.	5.5	173
71	Role of an ultrathin platinum seed layer in antiferromagnet-based perpendicular exchange coupling and its electrical manipulation. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 428, 431-436.	1.0	8
72	Au/La ₂ Ti ₂ O ₇ Nanostructures Sensitized with Black Phosphorus for Plasmon-Enhanced Photocatalytic Hydrogen Production in Visible and Near-Infrared Light. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2064-2068.	7.2	284

#	ARTICLE	IF	CITATIONS
73	Au/La ₂ Ti ₂ O ₇ Nanostructures Sensitized with Black Phosphorus for Plasmon-Enhanced Photocatalytic Hydrogen Production in Visible and Near-Infrared Light. <i>Angewandte Chemie</i> , 2017, 129, 2096-2100.	1.6	51
74	Fabrication of vertical orthorhombic/hexagonal tungsten oxide phase junction with high photocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2017, 207, 207-217.	10.8	73
75	Enhanced photocatalytic performance of tungsten oxide through tuning exposed facets and introducing oxygen vacancies. <i>Journal of Alloys and Compounds</i> , 2017, 708, 358-366.	2.8	39
76	Spintronic materials and devices based on antiferromagnetic metals. <i>Progress in Natural Science: Materials International</i> , 2017, 27, 208-216.	1.8	31
77	Luminescence and theoretical calculations of novel red-emitting NaYPO ₄ :F:Eu ³⁺ phosphor for LED applications. <i>Journal of Alloys and Compounds</i> , 2017, 712, 225-232.	2.8	28
78	Charge separation in a nanostep structured perovskite-type photocatalyst induced by successive surface heterojunctions. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10442-10449.	5.2	34
79	Optical simulation and preparation of novel Mo/ZrSiN/ZrSiON/SiO ₂ solar selective absorbing coating. <i>Solar Energy Materials and Solar Cells</i> , 2017, 167, 178-183.	3.0	59
80	Exploration of Graphitic-C ₃ N ₄ Quantum Dots for Microwave-Induced Photodynamic Therapy. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 1836-1844.	2.6	78
81	Epitaxial Templating of Two-Dimensional Metal Chloride Nanocrystals on Monolayer Molybdenum Disulfide. <i>ACS Nano</i> , 2017, 11, 6404-6415.	7.3	20
82	CuS nanoagents for photodynamic and photothermal therapies: Phenomena and possible mechanisms. <i>Photodiagnosis and Photodynamic Therapy</i> , 2017, 19, 5-14.	1.3	104
83	High-loaded and transparent La _x Ce _{1-x} F ₃ polystyrene nanocomposite scintillators for radiation detection. <i>Canadian Journal of Chemistry</i> , 2017, 95, 1233-1240.	0.6	0
84	Metal-Free Photocatalyst for H ₂ Evolution in Visible to Near-Infrared Region: Black Phosphorus/Graphitic Carbon Nitride. <i>Journal of the American Chemical Society</i> , 2017, 139, 13234-13242.	6.6	907
85	Melem: an efficient metal-free luminescent material. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10746-10753.	2.7	61
86	Two dimensional perovskite La ₂ Ti ₂ O ₇ nanosheet as Pt catalyst support for photo-assisted methanol oxidation reaction. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 80, 231-238.	2.7	32
87	Giant Enhancement of Luminescence from Phosphors through Oxygen-Vacancy-Mediated Chemical Pressure Relaxation. <i>Advanced Optical Materials</i> , 2017, 5, 1700448.	3.6	21
88	Facile synthesis of Fe-modified manganese oxide with high content of oxygen vacancies for efficient airborne ozone destruction. <i>Applied Catalysis A: General</i> , 2017, 546, 79-86.	2.2	69
89	Large spin-orbit splitting in the conduction band of halogen (F, Cl, Br, and I) doped monolayer W ₂ S ₂ with spin-orbit coupling. <i>Physical Review B</i> , 2017, 96, .	1.1	38
90	A newly designed porous oxynitride photoanode with enhanced charge carrier mobility. <i>Nano Energy</i> , 2017, 39, 172-182.	8.2	21

#	ARTICLE	IF	CITATIONS
91	First-Principles Calculation of Luminescent Materials. , 2017, , 173-218.		1
92	Graphitic-C ₃ N ₄ hybridized N-doped La ₂ Ti ₂ O ₇ two-dimensional layered composites as efficient visible-light-driven photocatalyst. Applied Catalysis B: Environmental, 2017, 202, 191-198.	10.8	107
93	pH-Dependent Cancer-Directed Photodynamic Therapy by a Water-Soluble Graphitic-Phase Carbon Nitride-Porphyrin Nanoprobe. ChemPlusChem, 2016, 81, 535-540.	1.3	38
94	Microsized BiOCl Square Nanosheets as Ultraviolet Photodetectors and Photocatalysts. ACS Applied Materials & Interfaces, 2016, 8, 6662-6668.	4.0	81
95	Defect Engineering of Air-Treated WO ₃ and Its Enhanced Visible-Light-Driven Photocatalytic and Electrochemical Performance. Journal of Physical Chemistry C, 2016, 120, 9750-9763.	1.5	147
96	Reduced graphene oxide three-dimensionally wrapped WO ₃ hierarchical nanostructures as high-performance solar photocatalytic materials. Applied Catalysis A: General, 2016, 522, 90-100.	2.2	40
97	Te-Doped Black Phosphorus Field-Effect Transistors. Advanced Materials, 2016, 28, 9408-9415.	11.1	241
98	Enhanced fluorescence from Mg _{0.1} Zn _{0.9} O due to localized surface plasmon resonance of Ag nanoparticles. Materials and Design, 2016, 110, 138-144.	3.3	11
99	Synthesis and conjugation of Sr ₂ MgSi ₂ O ₇ :Eu ²⁺ , Dy ³⁺ water soluble afterglow nanoparticles for photodynamic activation. Photodiagnosis and Photodynamic Therapy, 2016, 16, 90-99.	1.3	34
100	Skin formation in drying a film of soft matter solutions: Application of solute based Lagrangian scheme. Chinese Physics B, 2016, 25, 076801.	0.7	5
101	A New Modality for Cancer Treatment-Nanoparticle Mediated Microwave Induced Photodynamic Therapy. Journal of Biomedical Nanotechnology, 2016, 12, 1835-1851.	0.5	94
102	Investigation of luminescence mechanism in La _{0.2} Y _{1.8} O ₃ scintillator. Journal of Luminescence, 2016, 173, 99-104.	1.5	5
103	Biexciton Formation in Bilayer Tungsten Disulfide. ACS Nano, 2016, 10, 2176-2183.	7.3	57
104	Effects of oxygen vacancies on luminescent properties of green long-lasting phosphorescent (LLP) material $\text{In-Zn}_3(\text{PO}_4)_2: \text{Mn}^{2+}, \text{K}^+$. Journal of Luminescence, 2016, 170, 150-154.	1.5	26
105	Tuning Phosphorene Nanoribbon Electronic Structure through Edge Oxidization. Journal of Physical Chemistry C, 2016, 120, 2149-2158.	1.5	28
106	White Light Phosphors: A Nonrare-Earth Ions Self-Activated White Emitting Phosphor under Single Excitation (Adv. Funct. Mater. 44/2015). Advanced Functional Materials, 2015, 25, 6826-6826.	7.8	3
107	Enhanced stability of black phosphorus field-effect transistors with SiO ₂ passivation. Nanotechnology, 2015, 26, 435702.	1.3	102
108	A Nonrare-Earth Ions Self-Activated White Emitting Phosphor under Single Excitation. Advanced Functional Materials, 2015, 25, 6833-6838.	7.8	48

#	ARTICLE	IF	CITATIONS
109	Electronic structures of anatase (TiO ₂) _{1-x} (TaON) _x solid solutions: a first-principles study. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 17980-17988.	1.3	5
110	Tuning oxygen vacancy photoluminescence in monoclinic Y ₂ WO ₆ by selectively occupying yttrium sites using lanthanum. <i>Scientific Reports</i> , 2015, 5, 9443.	1.6	46
111	Phosphorescence properties and energy transfer of red long-lasting phosphorescent (LLP) material β -Zn ₃ (PO ₄) ₂ :Mn ²⁺ ,Pr ³⁺ . <i>Journal of Rare Earths</i> , 2015, 33, 1056-1063.	2.5	15
112	Microsphere morphology tuning and photo-luminescence properties of monoclinic Y ₂ WO ₆ . <i>Journal of Crystal Growth</i> , 2015, 416, 148-153.	0.7	7
113	Highly efficient hydrogen production and formaldehyde degradation by Cu ₂ O microcrystals. <i>Applied Catalysis B: Environmental</i> , 2015, 172-173, 1-6.	10.8	58
114	Phosphorescence behavior and photoluminescence mechanism of Dy ³⁺ sensitized β -Zn ₃ (PO ₄) ₂ :Mn ²⁺ phosphor. <i>Journal of Alloys and Compounds</i> , 2015, 642, 225-231.	2.8	21
115	Band gap narrowing in nitrogen-doped La ₂ Ti ₂ O ₇ predicted by density-functional theory calculations. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 8994-9000.	1.3	37
116	Exposed facet and crystal phase tuning of hierarchical tungsten oxide nanostructures and their enhanced visible-light-driven photocatalytic performance. <i>CrystEngComm</i> , 2015, 17, 9102-9110.	1.3	40
117	Enhancing blue luminescence from Ce-doped ZnO nanophosphor by Li doping. <i>Nanoscale Research Letters</i> , 2014, 9, 480.	3.1	44
118	Structure and electrical properties of (1-x)(0.1BiYbO ₃ -0.9PbTiO ₃)xPb(Zn ^{1/3} Nb ^{2/3})O ₃ high-temperature ternary piezoelectric ceramics. <i>Materials Letters</i> , 2014, 114, 100-102.	1.3	15
119	Doping indium in β -Bi ₂ O ₃ to tune the electronic structure and improve the photocatalytic activities: first-principles calculations and experimental investigation. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 23476-23482.	1.3	40
120	Oxygen Vacancy Effect on Photoluminescence Properties of Self-Activated Yttrium Tungstate. <i>Journal of Physical Chemistry C</i> , 2014, 118, 25633-25642.	1.5	45
121	Mn doped hard type perovskite high-temperature BYPTa-PZN ternary piezoelectric ceramics. <i>Sensors and Actuators A: Physical</i> , 2014, 216, 335-341.	2.0	20
122	Enhanced properties of LiFePO ₄ /C cathode materials modified by CePO ₄ nanoparticles. <i>Materials Chemistry and Physics</i> , 2014, 147, 333-338.	2.0	16
123	Photocatalytic hydrogen generation enhanced by band gap narrowing and improved charge carrier mobility in AgTaO ₃ by compensated co-doping. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 16220.	1.3	54
124	Crystal structure and optical properties of white light-emitting Y ₂ WO ₆ :Sm ³⁺ phosphor with excellent color rendering. <i>RSC Advances</i> , 2013, 3, 9029.	1.7	76
125	Silver microgrid transparent conductive electrode based on bulk plasmon effect for ultraviolet wavelength application. <i>Physica Status Solidi - Rapid Research Letters</i> , 2013, 7, 1071-1075.	1.2	5
126	Controllable growth and photocatalytic activity of Cu ₂ O solid microspheres. <i>Materials Research Bulletin</i> , 2013, 48, 3431-3437.	2.7	8

#	ARTICLE	IF	CITATIONS
127	Photocatalytic property of ZnO microrods modified by Cu ₂ O nanocrystals. <i>Journal of Alloys and Compounds</i> , 2013, 552, 299-303.	2.8	35
128	Single-phased emission-tunable Mg-doped ZnO phosphors for white LEDs. <i>Journal of Alloys and Compounds</i> , 2013, 553, 172-176.	2.8	29
129	Evaluating the electric property of different crystal faces and enhancing the Raman scattering of Cu ₂ O microcrystal by depositing Ag on the surface. <i>Current Applied Physics</i> , 2013, 13, 935-939.	1.1	33
130	Effect of Cu ₂ O Morphology on Photocatalytic Hydrogen Generation and Chemical Stability of TiO ₂ /Cu ₂ O Composite. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 5104-5108.	0.9	6
131	A density functional theory study on the adsorption of CO and O ₂ on Cu-terminated Cu ₂ O (111) surface. <i>Chinese Physics B</i> , 2012, 21, 067302.	0.7	10
132	Electronic structure and photocatalytic activity of N/Mo doped anatase TiO ₂ . <i>Catalysis Communications</i> , 2012, 29, 175-179.	1.6	24
133	Oxygen vacancy in N-doped Cu ₂ O crystals: A density functional theory study. <i>Chinese Physics B</i> , 2012, 21, 087301.	0.7	15
134	Luminescence of Cr ³⁺ -doped ZnGa ₂ O ₄ thin films deposited by pulsed laser ablation. <i>Thin Solid Films</i> , 2012, 520, 6845-6849.	0.8	21
135	Time-dependent hydrothermal synthesis and self-evolution mechanism of Cu ₂ O microcrystals. <i>Materials Characterization</i> , 2012, 71, 112-119.	1.9	9
136	Band gap engineering of compensated (N, H) and (C, 2H) codoped anatase TiO ₂ : A first-principles calculation. <i>Chemical Physics Letters</i> , 2012, 539-540, 175-179.	1.2	26
137	Preparation and properties of tungsten-doped indium oxide thin films. <i>Rare Metals</i> , 2012, 31, 158-163.	3.6	10
138	Effects of dopant content on optical and electrical properties of In ₂ O ₃ : W transparent conductive films. <i>Rare Metals</i> , 2012, 31, 168-171.	3.6	7
139	First-principles calculation of compensated (2N, W) codoping impacts on band gap engineering in anatase TiO ₂ . <i>Chemical Physics Letters</i> , 2012, 527, 63-66.	1.2	75
140	Red luminescent and structural properties of Mg-doped ZnO phosphors prepared by sol-gel method. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2012, 177, 689-693.	1.7	41
141	Morphology-controlled hydrothermal synthesis and growth mechanism of microcrystal Cu ₂ O. <i>CrystEngComm</i> , 2011, 13, 633-636.	1.3	81
142	Density functional theory calculations of surface properties and H ₂ adsorption on the Cu ₂ O (111) surface. <i>Applied Surface Science</i> , 2011, 257, 10710-10714.	3.1	20
143	Synthesis, Characterization and Photocatalytic Activity of TiO ₂ Film/Bi ₂ O ₃ Microgrid Heterojunction. <i>Journal of Materials Science and Technology</i> , 2011, 27, 59-63.	5.6	24
144	Formation of Cu ₀ in Cu ₂ O under light irradiation and subsequent accelerated decoloration to MO aqueous solution. <i>Catalysis Communications</i> , 2011, 16, 175-179.	1.6	6

#	ARTICLE	IF	CITATIONS
145	Methods to improve the photocatalytic activity of immobilized ZnO/Bi ₂ O ₃ composite. Applied Catalysis A: General, 2011, 402, 80-86.	2.2	34
146	Preparation and effects of Mg-doping on the electrochemical properties of spinel Li ₄ Ti ₅ O ₁₂ as anode material for lithium ion battery. Materials Chemistry and Physics, 2010, 123, 510-515.	2.0	109
147	Spectrum designation and effect of Al substitution on the luminescence of Cr ³⁺ doped ZnGa ₂ O ₄ nano-sized phosphors. Journal of Luminescence, 2010, 130, 1738-1743.	1.5	52
148	Effects of atomic oxygen treatment on structures, morphologies and electrical properties of ZnO:Al films. Applied Surface Science, 2010, 256, 4527-4532.	3.1	22
149	Preparation and optical properties of ZnGa ₂ O ₄ :Cr ³⁺ thin films derived by sol-gel process. Applied Surface Science, 2010, 256, 4702-4707.	3.1	31
150	Fabrication and luminescent properties of artificial luminous gem. Ceramics International, 2010, 36, 1201-1203.	2.3	2
151	LUMINESCENT PROPERTY OF ZNO GRANULAR FILMS WITH DIFFERENT PARTICLE SIZE. International Journal of Modern Physics B, 2010, 24, 2827-2832.	1.0	2
152	Photocatalytic performance of ZnGa ₂ O ₄ for degradation of methylene blue and its improvement by doping with Cd. Catalysis Communications, 2010, 11, 1104-1108.	1.6	42
153	Synthesis of large-sized monodisperse polystyrene microspheres by dispersion polymerization with dropwise monomer feeding procedure. Colloid and Polymer Science, 2009, 287, 243-248.	1.0	24
154	Photocatalytic activity of ZnO films with micro-grid structure. Frontiers of Environmental Science and Engineering in China, 2009, 3, 289-293.	0.8	4
155	Photocatalytic performance of TiO ₂ thin films connected with Cu micro-grid. Science in China Series D: Earth Sciences, 2009, 52, 2175-2179.	0.9	3
156	Cu ₂ O thin films deposited by reactive direct current magnetron sputtering. Thin Solid Films, 2009, 517, 5700-5704.	0.8	102
157	Green-emission and n-type conductivity of ZnO:Zn films obtained using vapor deposition method. Applied Surface Science, 2009, 255, 3530-3533.	3.1	9
158	TiO ₂ Film/Cu ₂ O Microgrid Heterojunction with Photocatalytic Activity under Solar Light Irradiation. ACS Applied Materials & Interfaces, 2009, 1, 2111-2114.	4.0	94
159	Employment of a metal microgrid as a front electrode in a sandwich-structured photodetector. Applied Optics, 2009, 48, 3638.	2.1	3
160	Photocatalytic degradation of methylene blue by ZnGa ₂ O ₄ thin films. Catalysis Communications, 2009, 10, 1781-1785.	1.6	57
161	Influence of Metal (Au, Ag) Micro-Grid on the Photocatalytic Activity of TiO ₂ Film. Catalysis Letters, 2008, 123, 51-55.	1.4	22
162	Synthesis and photoluminescent properties of Eu ³⁺ -doped ZnGa ₂ O ₄ nanophosphors. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 149, 82-86.	1.7	29

#	ARTICLE	IF	CITATIONS
163	PL and EL characterizations of ZnO:Eu ³⁺ , Li ⁺ films derived by sol-gel process. Journal of Luminescence, 2008, 128, 685-689.	1.5	20
164	Catalyst-free growth of green-emitting arrayed ZnO nanorods at low temperature. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 151, 187-190.	1.7	2
165	Photocatalytic properties of BiOX (X = Cl, Br, and I). Rare Metals, 2008, 27, 243-250.	3.6	297
166	Dependence of Luminescence Efficiency of CdSe Quantum Dots on Chemical Environments. Journal of Nanoscience and Nanotechnology, 2008, 8, 5615-5623.	0.9	8
167	Enhanced photocatalytic activity of Ag microgrid connected TiO ₂ nanocrystalline films. Applied Physics Letters, 2007, 90, 122114.	1.5	18
168	Luminescence of nanosized ZnO/polyaniline films prepared by self-assembly. Ceramics International, 2007, 33, 785-788.	2.3	15
169	Excitonic photoluminescence characteristics of amorphous silicon nanoparticles embedded in silicon nitride film. European Physical Journal B, 2007, 57, 53-56.	0.6	7
170	Rapid Fabrication of Large-Area Colloidal Crystal Monolayers by a Vortical Surface Method. Langmuir, 2006, 22, 7101-7104.	1.6	63
171	Luminescent properties of ZnO sol and film doped with Tb ³⁺ ion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 425, 346-348.	2.6	17
172	Effect of MgO doping on the luminescent properties of ZnO. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 129, 93-95.	1.7	15
173	Blue-emitting ZnO sol and film obtained by sol-gel process. Journal of Sol-Gel Science and Technology, 2006, 39, 37-39.	1.1	20
174	Structural and Optical Properties of Uniform ZnO Nanosheets. Advanced Materials, 2005, 17, 586-590.	11.1	313
175	A new method to synthesize long afterglow red phosphor. Ceramics International, 2004, 30, 225-228.	2.3	27
176	Light-storing photocatalyst. Applied Physics Letters, 2004, 85, 5778-5780.	1.5	34
177	A New Luminescent Phenomenon of ZnO Due to the Precipitate Trapping Effect of MgO. Chemistry of Materials, 2004, 16, 768-770.	3.2	38
178	Synthesis of nanosized rutile TiO ₂ powder at low temperature. Materials Chemistry and Physics, 2003, 77, 314-317.	2.0	68
179	Luminescent properties of (Ce _{0.67} Tb _{0.33})Mn _x Mg _{1-x} Al ₁₁ O ₁₉ phosphor in VUV region. Ceramics International, 2003, 29, 583-586.	2.3	10
180	Preparation and characterization of a new long afterglow indigo phosphor Ca ₁₂ Al ₁₄ O ₃₃ :Nd, Eu. Materials Letters, 2003, 57, 4315-4318.	1.3	57

#	ARTICLE	IF	CITATIONS
181	Luminescent Properties of the BaMgAl10O17:Eu ²⁺ ,M ³⁺ (M = Nd, Er) Phosphor in the VUV Region. Chemistry of Materials, 2002, 14, 3005-3008.	3.2	98
182	Synthesis and characterization of BaMgAl10O17:Eu phosphors derived by sol-gel processing. Powder Technology, 2002, 126, 161-165.	2.1	27
183	Synthesis of nanometer Y2O3:Eu phosphor and its luminescence property. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2002, 334, 246-249.	2.6	49
184	Luminescent properties of Y2O3:Eu synthesized by sol-gel processing. Journal of Materials Processing Technology, 2002, 121, 265-268.	3.1	54
185	Synthesis and Characterization of (Ce _{0.67} Tb _{0.33})Mn _x Mg _{1-x} Al ₁₁ O ₁₉ Phosphors Derived by Sol-Gel Processing. Journal of the American Ceramic Society, 2002, 85, 998-1000.		
186	Preparation and properties of photoluminescent rare earth doped SrO-MgO-B2O3-SiO2 glass. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2001, 86, 79-82.	1.7	20
187	Luminescent properties of a new long afterglow Eu ²⁺ and Dy ³⁺ activated Ca3MgSi2O8 phosphor. Journal of the European Ceramic Society, 2001, 21, 683-685.	2.8	111
188	Resonant Raman scattering and photoluminescence from high-quality nanocrystalline ZnO thin films prepared by thermal oxidation of ZnS thin films. Journal Physics D: Applied Physics, 2001, 34, 3430-3433.	1.3	68
189	Preparation of a new long afterglow blue-emitting Sr2MgSi2O7-based photoluminescent phosphor. Journal of Materials Science Letters, 2001, 20, 1505-1506.	0.5	235
190	The characterization and mechanism of long afterglow in alkaline earth aluminates phosphors co-doped by Eu2O3 and Dy2O3. Materials Chemistry and Physics, 2001, 70, 156-159.	2.0	165
191	Mn ²⁺ luminescence in (Ce,Tb)MgAl11O19 phosphor. Materials Chemistry and Physics, 2001, 72, 81-84.	2.0	34
192	Effect of Gap Filler on Microstructure of Wide Gap Brazing Seam. Materials Transactions, JIM, 2000, 41, 1073-1076.	0.9	9
193	EFFECT OF AMBIENT RELATIVE HUMIDITY AND SOAKING TIME ON THE FORMATION OF OCTADECYLTRICHLOROSILANE COATINGS ON BOROSILICATE GLASS SUBSTRATES FOR ALKALI-METAL VAPOR CELLS. Surface Review and Letters, 0, , .	0.5	0