

# Weichang Hao

## List of Publications by Year in descending order

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155  
papers

7,646  
citations

61945

43  
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56687

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155  
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155  
docs citations

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times ranked

9635  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchical Nanoassembly of MoS <sub>2</sub> /Co <sub>9</sub> S <sub>8</sub> /Ni <sub>3</sub> S <sub>2</sub> /Ni as a Highly Efficient Electrocatalyst for Overall Water Splitting in a Wide pH Range. <i>Journal of the American Chemical Society</i> , 2019, 141, 10417-10430.	6.6	653
2	Efficient Ammonia Electrosynthesis from Nitrate on Strained Ruthenium Nanoclusters. <i>Journal of the American Chemical Society</i> , 2020, 142, 7036-7046.	6.6	542
3	Bismuth Oxybromide with Reasonable Photocatalytic Reduction Activity under Visible Light. <i>ACS Catalysis</i> , 2014, 4, 954-961.	5.5	300
4	Photocatalytic properties of BiOX (X = Cl, Br, and I). <i>Rare Metals</i> , 2008, 27, 243-250.	3.6	297
5	Single-unit-cell layer established Bi <sub>2</sub> WO <sub>6</sub> 3D hierarchical architectures: Efficient adsorption, photocatalysis and dye-sensitized photoelectrochemical performance. <i>Applied Catalysis B: Environmental</i> , 2017, 219, 526-537.	10.8	264
6	Band-gap engineering of BiOCl with oxygen vacancies for efficient photooxidation properties under visible-light irradiation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 2193-2199.	5.2	232
7	Structurally Well-Defined Au@Cu <sub>2</sub> S Core-Shell Nanocrystals for Improved Cancer Treatment Based on Enhanced Photothermal Efficiency. <i>Advanced Materials</i> , 2016, 28, 3094-3101.	11.1	228
8	Effects of heat treatment on properties of ITO films prepared by rf magnetron sputtering. <i>Vacuum</i> , 2004, 75, 183-188.	1.6	221
9	Nonmetal P-doped hematite photoanode with enhanced electron mobility and high water oxidation activity. <i>Energy and Environmental Science</i> , 2015, 8, 1231-1236.	15.6	202
10	Three-Dimensional Hierarchical Architectures Derived from Surface-Mounted Metal-Organic Framework Membranes for Enhanced Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13781-13785.	7.2	193
11	Silicene: A Promising Anode for Lithium-Ion Batteries. <i>Advanced Materials</i> , 2017, 29, 1606716.	11.1	179
12	Activating Titania for Efficient Electrocatalysis by Vacancy Engineering. <i>ACS Catalysis</i> , 2018, 8, 4288-4293.	5.5	141
13	Liquid-Phase Exfoliation into Monolayered BiOBr Nanosheets for Photocatalytic Oxidation and Reduction. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 10499-10508.	3.2	140
14	Direct Observation of Oxygen Vacancy Self-Healing on TiO <sub>2</sub> Photocatalysts for Solar Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14229-14233.	7.2	138
15	Realization of flat band with possible nontrivial topology in electronic Kagome lattice. <i>Science Advances</i> , 2018, 4, eaau4511.	4.7	131
16	Modulation of Photocatalytic Properties by Strain in 2D BiOBr Nanosheets. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 27592-27596.	4.0	130
17	Metal@semiconductor core-shell nanocrystals with atomically organized interfaces for efficient hot electron-mediated photocatalysis. <i>Nano Energy</i> , 2018, 48, 44-52.	8.2	118
18	Materializing efficient methanol oxidation via electron delocalization in nickel hydroxide nanoribbon. <i>Nature Communications</i> , 2020, 11, 4647.	5.8	117

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19	Boosting Visible-Light-Driven Photo-oxidation of BiOCl by Promoted Charge Separation via Vacancy Engineering. ACS Sustainable Chemistry and Engineering, 2019, 7, 3010-3017.	3.2	101
20	Studies on photocatalytic activity and transmittance spectra of TiO <sub>2</sub> thin films prepared by r.f. magnetron sputtering method. Surface and Coatings Technology, 2002, 155, 141-145.	2.2	94
21	A dye-sensitized visible light photocatalyst-Bi <sub>24</sub> O <sub>31</sub> Cl <sub>10</sub> . Scientific Reports, 2014, 4, 7384.	1.6	91
22	Two dimensional bismuth-based layered materials for energy-related applications. Energy Storage Materials, 2019, 19, 446-463.	9.5	89
23	Solid Base Bi <sub>24</sub> O <sub>31</sub> Br <sub>10</sub> (OH) <sup>+</sup> with Active Lattice Oxygen for the Efficient Photo-Oxidation of Primary Alcohols to Aldehydes. Angewandte Chemie - International Edition, 2019, 58, 6265-6270.	7.2	78
24	Unveiling the activity origin of ultrathin BiOCl nanosheets for photocatalytic CO <sub>2</sub> reduction. Applied Catalysis B: Environmental, 2021, 299, 120679.	10.8	77
25	Enhancing the macroscopic polarization of CdS for piezo-photocatalytic water splitting. Nano Energy, 2021, 90, 106635.	8.2	77
26	Monolayer Epitaxial Heterostructures for Selective Visible-Light-Driven Photocatalytic NO Oxidation. Advanced Functional Materials, 2019, 29, 1808084.	7.8	76
27	Promoted Photocharge Separation in 2D Lateral Epitaxial Heterostructure for Visible-Light-Driven CO <sub>2</sub> Photoreduction. Advanced Materials, 2020, 32, e2004311.	11.1	74
28	A simple and green approach for preparation of ZnO <sub>2</sub> and ZnO under sunlight irradiation. Chemical Physics Letters, 2007, 443, 342-346.	1.2	73
29	Investigation of electron-phonon coupling in epitaxial silicene by <i>in situ</i> Raman spectroscopy. Physical Review B, 2015, 91, .	1.1	67
30	Heterovalent-Doping-Enabled Efficient Dopant Luminescence and Controllable Electronic Impurity Via a New Strategy of Preparing II <sup>~</sup> VI Nanocrystals. Advanced Materials, 2015, 27, 2753-2761.	11.1	67
31	A non-enzymatic photoelectrochemical glucose sensor based on BiVO <sub>4</sub> electrode under visible light. Sensors and Actuators B: Chemical, 2019, 291, 34-41.	4.0	67
32	Graphene covered SiC powder as advanced photocatalytic material. Applied Physics Letters, 2012, 100, 023113.	1.5	65
33	BiOCl nano/microstructures on substrates: Synthesis and photocatalytic properties. Materials Letters, 2011, 65, 1344-1347.	1.3	64
34	Improvement of photocatalytic activity of TiO <sub>2</sub> thin film by Sn ion implantation. Vacuum, 2002, 65, 155-159.	1.6	63
35	Photocatalytic Reduction on Bismuth-Based <i>p</i> -Block Semiconductors. ACS Sustainable Chemistry and Engineering, 2018, 6, 15936-15953.	3.2	62
36	Visible Light Photocatalytic Properties of Metastable $\hat{1}^3$ -Bi <sub>2</sub> O <sub>3</sub> with Different Morphologies. Journal of Materials Science and Technology, 2014, 30, 192-196.	5.6	59

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37	Dirac Signature in Germanene on Semiconducting Substrate. <i>Advanced Science</i> , 2018, 5, 1800207.	5.6	59
38	Hydrogen Terminated Germanene for a Robust Self-Powered Flexible Photoelectrochemical Photodetector. <i>Small</i> , 2020, 16, e2000283.	5.2	58
39	Preparation and characterization of a new long afterglow indigo phosphor Ca <sub>12</sub> Al <sub>14</sub> O <sub>33</sub> :Nd,Eu. <i>Materials Letters</i> , 2003, 57, 4315-4318.	1.3	57
40	Visible-Light Photocatalytic Activity of S-Doped $\text{Bi}_2\text{O}_3$ . <i>Journal of Physical Chemistry C</i> , 2015, 119, 14094-14101.	1.5	56
41	In-situ grafting of N-doped carbon nanotubes with Ni encapsulation onto MOF-derived hierarchical hybrids for efficient electrocatalytic hydrogen evolution. <i>Carbon</i> , 2020, 163, 178-185.	5.4	56
42	Promoting photoreduction properties via synergetic utilization between plasmonic effect and highly active facet of BiOCl. <i>Nano Energy</i> , 2019, 57, 398-404.	8.2	52
43	A ferroelectric photocatalyst Ag <sub>10</sub> Si <sub>4</sub> O <sub>13</sub> with visible-light photooxidation properties. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10992-10999.	5.2	46
44	Effect of Intrinsic Oxygen Vacancy on the Electronic Structure of $\text{Bi}_2\text{O}_3$ : First-Principles Calculations. <i>Journal of Physical Chemistry C</i> , 2012, 116, 1251-1255.	1.5	44
45	A novel Cl- modification approach to develop highly efficient photocatalytic oxygen evolution over BiVO <sub>4</sub> with AQE of 34.6%. <i>Nano Energy</i> , 2021, 81, 105651.	8.2	43
46	Three-Dimensional Hierarchical Architectures Derived from Surface-Mounted Metal-Organic Framework Membranes for Enhanced Electrocatalysis. <i>Angewandte Chemie</i> , 2017, 129, 13969-13973.	1.6	42
47	Comparison of the photocatalytic activity of TiO <sub>2</sub> powder with different particle size. <i>Journal of Materials Science Letters</i> , 2002, 21, 1627-1629.	0.5	39
48	s-p orbital hybridization: a strategy for developing efficient photocatalysts with high carrier mobility. <i>Science Bulletin</i> , 2018, 63, 465-468.	4.3	37
49	Enhancement of photocatalytic activity of Bi <sub>2</sub> MoO <sub>6</sub> by fluorine substitution. <i>Applied Surface Science</i> , 2019, 467-468, 740-748.	3.1	36
50	Selective Ferroelectric BiO/Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> Heterostructures for Visible Light-Driven Photocatalysis. <i>Journal of Physical Chemistry C</i> , 2019, 123, 517-525.	1.5	36
51	Light-storing photocatalyst. <i>Applied Physics Letters</i> , 2004, 85, 5778-5780.	1.5	34
52	Manipulation of domain wall mobility by oxygen vacancy ordering in multiferroic YMnO <sub>3</sub> . <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 20010.	1.3	32
53	Comparison Study of Corrosion Behavior and Biocompatibility of Polyethyleneimine (PEI)/Heparin and Chitosan/Heparin Coatings on NiTi alloy. <i>Journal of Materials Science and Technology</i> , 2010, 26, 1027-1031.	5.6	31
54	Enhanced Photocatalytic Activity of Bi <sub>24</sub> O <sub>31</sub> Br <sub>10</sub> : Constructing Heterojunction with BiOI. <i>Journal of Materials Science and Technology</i> , 2017, 33, 281-284.	5.6	31

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55	Shape-Controlled Metal-Free Catalysts: Facet-Sensitive Catalytic Activity Induced by the Arrangement Pattern of Noncovalent Supramolecular Chains. <i>ACS Nano</i> , 2017, 11, 4866-4876.	7.3	31
56	Construction of 2D lateral pseudoheterostructures by strain engineering. <i>2D Materials</i> , 2017, 4, 025102.	2.0	31
57	Highly nonlinear BiOBr nanoflakes for hybrid integrated photonics. <i>APL Photonics</i> , 2019, 4, .	3.0	31
58	Enhanced photocatalysis activity of ferroelectric KNbO <sub>3</sub> nanofibers compared with antiferroelectric NaNbO <sub>3</sub> nanofibers synthesized by electrospinning. <i>RSC Advances</i> , 2015, 5, 72410-72415.	1.7	30
59	Boosting NIR-driven photocatalytic water splitting by constructing 2D/3D epitaxial heterostructures. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13629-13634.	5.2	30
60	Photocatalytic activity studies of TiO <sub>2</sub> thin films prepared by r.f. magnetron reactive sputtering. <i>Vacuum</i> , 2003, 72, 79-84.	1.6	29
61	Indirect-Direct Band Transformation of Few-Layer BiOCl under Biaxial Strain. <i>Journal of Physical Chemistry C</i> , 2016, 120, 8589-8594.	1.5	29
62	Supercritical CO <sub>2</sub> -constructed intralayer [Bi <sub>2</sub> O <sub>2</sub> ] <sup>2+</sup> structural distortion for enhanced CO <sub>2</sub> electroreduction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13320-13327.	5.2	29
63	Efficient visible-light photocatalysts by constructing dispersive energy band with anisotropic p and s-p hybridization states. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2017, 6, 93-100.	3.2	28
64	Role of Charge Density Wave in Monatomic Assembly in Transition Metal Dichalcogenides. <i>Advanced Functional Materials</i> , 2019, 29, 1900367.	7.8	28
65	Tuning the performance of nitrogen reduction reaction by balancing the reactivity of N <sub>2</sub> and the desorption of NH <sub>3</sub> . <i>Nano Research</i> , 2021, 14, 4093-4099.	5.8	27
66	Enhancement of charge separation in ferroelectric heterogeneous photocatalyst Bi <sub>4</sub> (SiO <sub>4</sub> ) <sub>3</sub> /Bi <sub>2</sub> SiO <sub>5</sub> nanostructures. <i>Dalton Transactions</i> , 2017, 46, 15582-15588.	1.6	25
67	Realization of Strained Stanene by Interface Engineering. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1558-1565.	2.1	25
68	Variation of structural and magnetic properties with Co-doping in Zn <sub>1-x</sub> CoxO nanocrystals. <i>Journal of Applied Physics</i> , 2009, 105, .	1.1	24
69	Synthesis of large-sized monodisperse polystyrene microspheres by dispersion polymerization with dropwise monomer feeding procedure. <i>Colloid and Polymer Science</i> , 2009, 287, 243-248.	1.0	24
70	The origin of enhanced photocatalytic activities of hydrogenated TiO <sub>2</sub> nanoparticles. <i>Dalton Transactions</i> , 2017, 46, 10694-10699.	1.6	24
71	Direct Observation of Oxygen Vacancy Self-Healing on TiO <sub>2</sub> Photocatalysts for Solar Water Splitting. <i>Angewandte Chemie</i> , 2019, 131, 14367-14371.	1.6	24
72	From Cu <sub>2</sub> S nanocrystals to Cu doped CdS nanocrystals through cation exchange: controlled synthesis, optical properties and their p-type conductivity research. <i>Science China Materials</i> , 2015, 58, 693-703.	3.5	23

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73	Kondo Holes in the Two-Dimensional Itinerant Ising Ferromagnet Fe <sub>3</sub> GeTe <sub>2</sub> . Nano Letters, 2021, 21, 6117-6123.	4.5	23
74	Fabrication and biocompatibility of polyethyleneimine/heparin self-assembly coating on NiTi alloy. Thin Solid Films, 2008, 516, 5168-5171.	0.8	22
75	Controlled hydrogenation into defective interlayer bismuth oxychloride via vacancy engineering. Communications Chemistry, 2020, 3, .	2.0	22
76	The role of oxygen vacancies in the high cycling endurance and quantum conductance in BiVO <sub>4</sub> -based resistive switching memory. Informa Mater, 2020, 2, 960-967.	8.5	21
77	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
78	A Transition Phase in the Transformation from $\hat{I}^{\pm}$ , $\hat{I}^2$ - and $\hat{a}^{\check{S}}$ - to $\hat{I}$ -Bismuth Oxide. Chinese Physics Letters, 2011, 28, 056101.	1.3	20
79	Magnetic field actuated manipulation and transfer of oil droplets on a stable underwater superoleophobic surface. Physical Chemistry Chemical Physics, 2016, 18, 16202-16207.	1.3	20
80	A Boolean OR gate implemented with an optoelectronic switching memristor. Applied Physics Letters, 2019, 115, .	1.5	20
81	Germanene Nanosheets: Achieving Superior Sodium-ion Storage via Pseudointercalation Reactions. Small Structures, 2021, 2, 2100041.	6.9	20
82	Improving the Solubility of Mn and Suppressing the Oxygen Vacancy Density in Zn <sub>0.98</sub> Mn <sub>0.02</sub> O Nanocrystals via Octylamine Treatment. ACS Applied Materials & Interfaces, 2012, 4, 4470-4475.	4.0	18
83	Biocompatibility of TiO <sub>2</sub> and TiO <sub>2</sub> /heparin coatings on NiTi alloy. Applied Surface Science, 2014, 313, 172-182.	3.1	18
84	Recent Progress on Two-Dimensional Heterostructures for Catalytic, Optoelectronic, and Energy Applications. ChemElectroChem, 2019, 6, 2841-2851.	1.7	18
85	Luminescent properties of ZnO sol and film doped with Tb <sup>3+</sup> ion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 425, 346-348.	2.6	17
86	Evidence of Surface-Preferential Co Distribution in ZnO Nanocrystal and Its Effects on the Ferromagnetic Property. ACS Applied Materials & Interfaces, 2010, 2, 2053-2059.	4.0	17
87	Two-Dimensional Van der Waals Heterostructures for Synergistically Improved Surface-Enhanced Raman Spectroscopy. ACS Applied Materials & Interfaces, 2020, 12, 21985-21991.	4.0	17
88	Sulfurized Polyacrylonitrile as a High-Performance and Low-Volume Change Anode for Robust Potassium Storage. ACS Nano, 2021, 15, 18419-18428.	7.3	17
89	Large-Gap Quantum Spin Hall State and Temperature-Induced Lifshitz Transition in Bi <sub>4</sub> Br <sub>4</sub> . ACS Nano, 2022, 16, 3036-3044.	7.3	17
90	Effect of crystallization quality on ferromagnetism in Zn <sub>1-x</sub> CoxO nanopowders. Materials Letters, 2008, 62, 403-406.	1.3	16

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91	Electronic Band Engineering in Elemental 2D Materials. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800749.	1.9	16
92	Effect of MgO doping on the luminescent properties of ZnO. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2006, 129, 93-95.	1.7	15
93	Luminescence of nanosized ZnO/polyaniline films prepared by self-assembly. <i>Ceramics International</i> , 2007, 33, 785-788.	2.3	15
94	Fabrication and UV-sensing properties of one-dimensional $\text{In}_2\text{Ga}_2\text{O}_3$ nanomaterials. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013, 210, 1861-1865.	0.8	15
95	Oxygen-Impurity-Induced Direct to Indirect Band Gap in Perovskite $\text{SrTa}_2\text{O}_7$ . <i>Journal of Physical Chemistry C</i> , 2017, 121, 6864-6867.	1.5	14
96	Enhanced energy transfer in heterogeneous nanocrystals for near infrared upconversion photocurrent generation. <i>Nanoscale</i> , 2017, 9, 18661-18667.	2.8	14
97	Palladium forms Ohmic contact on hydrogen-terminated diamond down to 4% K. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	14
98	Metal cocatalyst mediated photocatalytic dehydrogenative-condensation and direct condensation cross-coupling of aniline and alcohol. <i>Applied Catalysis B: Environmental</i> , 2022, 309, 121264.	10.8	14
99	Roles of Cocatalysts on $\text{BiVO}_4$ Photoanodes for Photoelectrochemical Water Oxidation: A Minireview. <i>Energy &amp; Fuels</i> , 2022, 36, 11394-11403.	2.5	14
100	Memristive devices based on 2D-BiOI nanosheets and their applications to neuromorphic computing. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	13
101	Recent Progress on 2D Kagome Magnets: Binary $\text{TmSn}_n$ ( $T = \text{Fe}$ ). <i>Journal of Applied Physics</i> , 2021, 124, 114301.	1.8	13
102	Effects of heat treatment on properties of ITO films prepared by rf magnetron sputtering. <i>Vacuum</i> , 2004, 75, 183-183.	1.6	12
103	Variation of the coordination environment and its effect on the white light emission properties in a Mn-doped $\text{ZnO}$ - $\text{ZnS}$ complex structure. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 4544.	1.3	12
104	Epitaxial Growth of Quasi-One-Dimensional Bismuth-Halide Chains with Atomically Sharp Topological Non-Trivial Edge States. <i>ACS Nano</i> , 2021, 15, 14850-14857.	7.3	12
105	Controllable synthesis and magnetic investigation of ZnO: Co nanowires and nanotubes. <i>Materials Letters</i> , 2012, 87, 101-104.	1.3	11
106	Enhancing visible-light photocatalytic activity of $\text{Bi}_2\text{O}_3$ via non-metal N and S doping. <i>Chinese Physics B</i> , 2014, 23, 038103.	0.7	11
107	Solid Base $\text{Bi}_{24}\text{O}_{31}\text{Br}_{10}(\text{OH})_7$ with Active Lattice Oxygen for the Efficient Photooxidation of Primary Alcohols to Aldehydes. <i>Angewandte Chemie</i> , 2019, 131, 6331-6336.	1.6	11
108	Magnetic properties and microstructures of iron oxide@mesoporous silica core-shell composite for applications in magnetic dye separation. <i>Journal of Applied Physics</i> , 2012, 111, 07B301.	1.1	10

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109	Aligned ZnO:Co nanorod arrays: Electrophoretic deposition fabrication and magnetic manipulation. <i>Ceramics International</i> , 2015, 41, 3456-3460.	2.3	10
110	Evidence for the dynamic relaxation behavior of oxygen vacancies in Aurivillius Bi <sub>2</sub> MoO <sub>6</sub> from dielectric spectroscopy during resistance switching. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8915-8922.	2.7	10
111	Electric-Field-Driven Negative Differential Conductance in 2D van der Waals Ferromagnet Fe <sub>3</sub> GeTe <sub>2</sub> . <i>Nano Letters</i> , 2021, 21, 9233-9239.	4.5	10
112	Metal-silicene interaction studied by scanning tunneling microscopy. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 034002.	0.7	9
113	Moiré-Potential-Induced Band Structure Engineering in Graphene and Silicene. <i>Small</i> , 2021, 17, e1903769.	5.2	9
114	Synthesis of magnetic core-shell iron nanochains for potential applications in Cr(VI) ion pollution treatment. <i>Rare Metals</i> , 2021, 40, 176-179.	3.6	9
115	Photocatalytic activity TiO <sub>2</sub> granular films prepared by layer-by-layer self-assembly method. <i>Journal of Materials Science</i> , 2005, 40, 1251-1253.	1.7	8
116	First-principles calculations of novel sillenite compounds Bi <sub>2</sub> M <sub>2</sub> O <sub>4</sub> (M=Se or Te). <i>Rare Metals</i> , 2011, 30, 135-139.	3.6	8
117	Enhancement of ferromagnetism in Zn <sub>0.95</sub> Co <sub>0.05</sub> O films by lithium codoping. <i>Journal of Applied Physics</i> , 2009, 106, .	1.1	6
118	Visible-light photocatalytic properties of Bi <sub>3</sub> -Bi <sub>2</sub> O <sub>3</sub> composited with Fe <sub>2</sub> O <sub>3</sub> . <i>Rare Metals</i> , 2011, 30, 140-143.	3.6	6
119	Effect of Pd and Au on Hydrogen Abstraction and C-Cleavage in Photoconversion of Glycerol: Beyond Charge Separation. <i>Journal of Physical Chemistry C</i> , 2020, 124, 20320-20327.	1.5	6
120	Theoretical insights into nitrogen oxide activation on halogen defect-rich {001} facets of bismuth oxyhalide. <i>Journal of Materials Science and Technology</i> , 2021, 77, 217-222.	5.6	6
121	The Synergistic Effect of Heteroatom Doping and Vacancy on The Reduction of CO <sub>2</sub> by Photocatalysts. <i>ChemNanoMat</i> , 2021, 7, 894-901.	1.5	6
122	First-principles study on the electronic structures and diffusion behaviors of intrinsic defects in BiOCl. <i>Computational Materials Science</i> , 2022, 203, 111088.	1.4	6
123	Facet-dependent Electronic Quantum Diffusion in the High-Order Topological Insulator $\text{Bi}_4\text{Br}_6$ . <i>Physical Review Applied</i> , 2022, 17, .	1.5	6
124	Growth Mechanism for ZnO Nanorod Array in a Metastable Supersaturation Solution. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 909-913.	0.9	5
125	Positron annihilation study of structural effect on photocatalytic activity of mesoporous TiO <sub>2</sub> thin films. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2010, 268, 2362-2365.	0.6	5
126	Al Doped ZnO Nanogranular Film Fabricated by Layer-By-Layer Self-Assembly Method and Its Application for Gas Sensors. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 10649-10653.	0.9	5

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127	Controllable synthesis of Zn <sub>0.95</sub> Co <sub>0.05</sub> O nanowires and nanotubes by electrophoretic deposition method. Transactions of Nonferrous Metals Society of China, 2012, 22, s95-s99.	1.7	5
128	Silver microgrid transparent conductive electrode based on bulk plasmon effect for ultraviolet wavelength application. Physica Status Solidi - Rapid Research Letters, 2013, 7, 1071-1075.	1.2	5
129	O <sub>3</sub> fast and simple treatment-enhanced p-doped in Spiro-MeOTAD for CH <sub>3</sub> NH <sub>3</sub> I vapor-assisted processed CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite solar cells. Chinese Physics B, 2017, 26, 068803.	0.7	5
130	Topological superconductors from one-dimensional periodically modulated Majorana chains. Scientific Reports, 2017, 7, 9210.	1.6	5
131	Reversible Potassium Intercalation in Blue Phosphoreneâ€‘Au Network Driven by an Electric Field. Journal of Physical Chemistry Letters, 2020, 11, 5584-5590.	2.1	5
132	Nanomagnetism variation with fluorine content in Co(OH)F. Journal of Alloys and Compounds, 2020, 825, 153916.	2.8	5
133	Ureaâ€‘Assisted Synthesis and Tailoring Cobalt Cores for Synergetic Promotion of Hydrogen Evolution Reaction in Acid and Alkaline Media. Advanced Energy and Sustainability Research, 2021, 2, 2000091.	2.8	5
134	Epitaxial growth of bilayer Bi(110) on two-dimensional ferromagnetic Fe <sub>3</sub> Ge <sub>2</sub> . Journal of Physics Condensed Matter, 2022, 34, 074003.	0.7	5
135	Biocompatibility of Nanoporous TiO <sub>2</sub> Coating on NiTi Alloy Prepared via Dealloying Method. Journal of Nanomaterials, 2012, 2012, 1-7.	1.5	4
136	The variation of Mn-dopant distribution state with x and its effect on the magnetic coupling mechanism in Zn <sup>1-x</sup> Mn <sup>x</sup> O nanocrystals. Chinese Physics B, 2013, 22, 107501.	0.7	4
137	Manipulating coupling state and magnetism of Mn-doped ZnO nanocrystals by changing the coordination environment of Mn via hydrogen annealing. Chinese Physics B, 2016, 25, 017301.	0.7	4
138	Photoelectrochemical properties of BiVO <sub>4</sub> thin films with NaOH chemical treatment. Rare Metals, 2019, 38, 446-452.	3.6	4
139	Boosting Lightâ€‘Driven Photocatalytic Water Splitting of Bi <sub>4</sub> NbO <sub>8</sub> Br by Polarization Field. Solar Rrl, 2022, 6, .	3.1	4
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