

# Hongwei Huang

## List of Publications by Year in descending order

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208  
papers

20,293  
citations

8181

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11308

136  
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209  
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209  
docs citations

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times ranked

13225  
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of transition metal oxides in g-C <sub>3</sub> N <sub>4</sub> -based heterojunctions for photocatalysis and supercapacitors. Journal of Energy Chemistry, 2022, 64, 214-235.	12.9	117
2	Photocatalytic and Photoelectrochemical Carbon Dioxide Reduction. ChemPhotoChem, 2022, 6, .	3.0	1
3	Versatile Titanates: Classification, Property, Preparation, and Sustainable Energy Catalysis. Advanced Functional Materials, 2022, 32, 2108350.	14.9	14
4	Black phosphorus-based heterostructures for photocatalysis and photoelectrochemical water splitting. Journal of Energy Chemistry, 2022, 67, 745-779.	12.9	51
5	Efficient piezocatalytic H <sub>2</sub> O <sub>2</sub> production of atomic-level thickness Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> nanosheets with surface oxygen vacancy. Chemical Engineering Journal, 2022, 431, 133930.	12.7	27
6	Integrated Full- $\lambda$ Spectrum Solar Energy Catalysis for Zero-Emission Ethylene Production from Bioethanol. Advanced Functional Materials, 2022, 32, 2110026.	14.9	9
7	Synergistic effects of B/S co-doped spongy-like hierarchically porous carbon for a high performance zinc-ion hybrid capacitor. Nanoscale, 2022, 14, 2004-2012.	5.6	21
8	Pressure-Driven Two-Step Second-Harmonic Generation Switching in Bi <sub>2</sub> O <sub>3</sub> . Angewandte Chemie - International Edition, 2022, 61, .	13.8	13
9	Ferroelectrics in Photocatalysis. Chemistry - A European Journal, 2022, 28, e202103975.	3.3	11
10	Coupling morphology control and surface I grafting for boosting the photocatalytic activity of Bi <sub>2</sub> O <sub>2</sub> [BO <sub>2</sub> (OH)] nanosheets. Applied Surface Science, 2022, 582, 152407.	6.1	6
11	Molecularly Engineered Covalent Organic Frameworks for Hydrogen Peroxide Photosynthesis. Angewandte Chemie - International Edition, 2022, 61, .	13.8	225
12	Molecularly Engineered Covalent Organic Frameworks for Hydrogen Peroxide Photosynthesis. Angewandte Chemie, 2022, 134, .	2.0	15
13	Frontispiece: Ferroelectrics in Photocatalysis. Chemistry - A European Journal, 2022, 28, .	3.3	0
14	Ultrahigh Photocatalytic CO <sub>2</sub> Reduction Efficiency and Selectivity Manipulation by Single Tungsten Atom Oxide at the Atomic Step of TiO <sub>2</sub> . Advanced Materials, 2022, 34, e2109074.	21.0	107
15	Mechanism Insight into an Unprecedented Dual Series-Parallel Photocharge Separation in Quaternary Cu <sub>2</sub> O Facet Junctions. Advanced Functional Materials, 2022, 32, .	14.9	24
16	Chemically Bonded Fe <sub>2</sub> O <sub>3</sub> /Bi <sub>4</sub> MO <sub>8</sub> Cl Dot-on-Plate Z-scheme Junction with Strong Internal Electric Field for Selective Photo-oxidation of Aromatic Alcohols. Angewandte Chemie, 2022, 134, .	2.0	8
17	Chemically Bonded Fe <sub>2</sub> O <sub>3</sub> /Bi <sub>4</sub> MO <sub>8</sub> Cl Dot-on-Plate Z-scheme Junction with Strong Internal Electric Field for Selective Photo-oxidation of Aromatic Alcohols. Angewandte Chemie - International Edition, 2022, 61, .	13.8	72
18	Layer structured materials for ambient nitrogen fixation. Coordination Chemistry Reviews, 2022, 460, 214468.	18.8	28

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19	Heterojunction and ferroelectric polarization co-promoting photocatalytic activity. Applied Surface Science, 2022, 587, 152852.	6.1	16
20	Layered bismuth-based photocatalysts. Coordination Chemistry Reviews, 2022, 463, 214515.	18.8	99
21	Core-shell-like BiOBr@BiOBr homojunction for enhanced photocatalysis. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 644, 128829.	4.7	9
22	Smart Solar‐Metal‐Air Batteries Based on BiOCl Photocorrosion for Monolithic Solar Energy Conversion and Storage. Small, 2022, 18, e2105668.	10.0	5
23	Synergetic Piezo‐Photocatalytic Hydrogen Evolution on Cd <sub>x</sub> Zn <sub>1-x</sub> S Solid‐Solution 1D Nanorods. Small, 2022, 18, e2106420.	10.0	26
24	Piezocatalytic and Photocatalytic Hydrogen Peroxide Evolution of Sulfide Solid Solution Nano‐Branches from Pure Water and Air. Small, 2022, 18, e2200914.	10.0	37
25	Effective H <sub>2</sub> O <sub>2</sub> Production via Favorable Intermediate Desorption in Fluctuating Electrical Fields from Matrix‐Filler Mutually Enhanced P‐C <sub>3</sub> N <sub>4</sub> /PVDF‐HFP Porous Composite**. ChemElectroChem, 2022, 9, .	3.4	3
26	Solar Energy Catalysis. Angewandte Chemie - International Edition, 2022, 61, .	13.8	58
27	Solar Energy Catalysis. Angewandte Chemie, 2022, 134, .	2.0	11
28	Rational Design of Coordination Bond Connected Metal Organic Frameworks/MXene Hybrids for Efficient Solar Water Splitting. Advanced Functional Materials, 2022, 32, .	14.9	56
29	Edge-rich atomic-layered BiOBr quantum dots for photocatalytic molecular oxygen activation. Chemical Engineering Journal, 2022, 445, 136776.	12.7	22
30	Integrating Covalent Organic Framework with Transition Metal Phosphide for Noble‐Metal‐Free Visible‐Light‐Driven Photocatalytic H <sub>2</sub> Evolution. Small, 2022, 18, .	10.0	33
31	Metal-induced oxygen vacancies on Bi <sub>2</sub> WO <sub>6</sub> for efficient CO <sub>2</sub> photoreduction. Science China Materials, 2022, 65, 3497-3503.	6.3	13
32	Surface cationic and anionic dual vacancies enhancing photocatalytic activity of Bi <sub>2</sub> WO <sub>6</sub> . Applied Surface Science, 2022, 602, 154311.	6.1	22
33	Hydroxyl radicals and sulfate radicals synergistically boosting the photocatalytic and mineralization ability of 1D-2D Bi <sub>5</sub> O <sub>7</sub> I/NiFe-LDH heterojunction. Applied Surface Science, 2021, 540, 148237.	6.1	36
34	Photocatalysis Enhanced by External Fields. Angewandte Chemie - International Edition, 2021, 60, 16309-16328.	13.8	218
35	Photocatalysis Enhanced by External Fields. Angewandte Chemie, 2021, 133, 16445-16464.	2.0	20
36	Inside‐and‐Out Semiconductor Engineering for CO <sub>2</sub> Photoreduction: From Recent Advances to New Trends. Small Structures, 2021, 2, 2000061.	12.0	346

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37	Nano-Au-modified TiO <sub>2</sub> grown on dendritic porous silica particles for enhanced CO <sub>2</sub> photoreduction. Microporous and Mesoporous Materials, 2021, 310, 110635.	4.4	16
38	Nanostructured Metal Sulfides: Classification, Modification Strategy, and Solar-Driven CO <sub>2</sub> Reduction Application. Advanced Functional Materials, 2021, 31, 2008008.	14.9	221
39	Photocatalytic Oxygen Evolution from Water Splitting. Advanced Science, 2021, 8, 2002458.	11.2	98
40	Junction Engineering for Photocatalytic and Photoelectrocatalytic CO <sub>2</sub> Reduction. Solar Rrl, 2021, 5, 2000430.	5.8	35
41	Atomic-Level Charge Separation Strategies in Semiconductor-Based Photocatalysts. Advanced Materials, 2021, 33, e2005256.	21.0	215
42	Facet-selective charge separation in two-dimensional bismuth-based photocatalysts. Catalysis Science and Technology, 2021, 11, 3659-3675.	4.1	17
43	Bismuth-based Z-scheme photocatalytic systems for solar energy conversion. Materials Chemistry Frontiers, 2021, 5, 2484-2505.	5.9	33
44	Boosting Zn-ion adsorption in cross-linked N/P co-incorporated porous carbon nanosheets for the zinc-ion hybrid capacitor. Journal of Materials Chemistry A, 2021, 9, 16565-16574.	10.3	67
45	Oxygen Vacant Semiconductor Photocatalysts. Advanced Functional Materials, 2021, 31, 2100919.	14.9	242
46	Coupling ferroelectric polarization and anisotropic charge migration for enhanced CO <sub>2</sub> photoreduction. Applied Catalysis B: Environmental, 2021, 284, 119709.	20.2	74
47	Exceptional Cocatalyst-Free Photo-Enhanced Piezocatalytic Hydrogen Evolution of Carbon Nitride Nanosheets from Strong In-Plane Polarization. Advanced Materials, 2021, 33, e2101751.	21.0	272
48	Pickering emulsion-embedded hierarchical solid-liquid hydrogel spheres for static and flow photocatalysis. Journal of Colloid and Interface Science, 2021, 589, 587-596.	9.4	13
49	2D Graphitic Carbon Nitride for Energy Conversion and Storage. Advanced Functional Materials, 2021, 31, 2102540.	14.9	190
50	Synergistic Polarization Engineering on Bulk and Surface for Boosting CO <sub>2</sub> Photoreduction. Angewandte Chemie, 2021, 133, 18451-18456.	2.0	19
51	Zinc-Ion Hybrid Capacitor with High Energy Density Constructed by Bamboo Shavings Derived Spongy-Like Porous Carbon. ChemistrySelect, 2021, 6, 6937-6943.	1.5	12
52	Synergy of ferroelectric polarization and oxygen vacancy to promote CO <sub>2</sub> photoreduction. Nature Communications, 2021, 12, 4594.	12.8	180
53	Synergistic Polarization Engineering on Bulk and Surface for Boosting CO <sub>2</sub> Photoreduction. Angewandte Chemie - International Edition, 2021, 60, 18303-18308.	13.8	197
54	Recent advances on Bi <sub>2</sub> WO <sub>6</sub> -based photocatalysts for environmental and energy applications. Chinese Journal of Catalysis, 2021, 42, 1413-1438.	14.0	208

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55	Strategies for Optimizing the Photocatalytic Water-Splitting Performance of Metal-Organic Framework-Based Materials. <i>Small Science</i> , 2021, 1, 2100060.	9.9	31
56	Defect-triggered catalysis with multiple reactive species over bismuth oxyhalides in the dark. <i>Applied Surface Science</i> , 2021, 567, 150765.	6.1	7
57	Energy and environmental catalysis driven by stress and temperature-variation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 12400-12432.	10.3	44
58	Effect of physiochemical properties in biomass-derived materials caused by different synthesis methods and their electrochemical properties in supercapacitors. <i>Journal of Materials Chemistry A</i> , 2021, 9, 12521-12552.	10.3	43
59	All-in-one polarized Cd/CdS/halloysite ferroelectric hybrid for exceptional photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2021, 9, 17936-17944.	10.3	22
60	Significant Aggregation-Enhanced Carrier Separation in Nanoscopic Catalysts Heterojunction Stacks. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 56620-56629.	8.0	3
61	Graphene for Energy Storage and Conversion: Synthesis and Interdisciplinary Applications. <i>Electrochemical Energy Reviews</i> , 2020, 3, 395-430.	25.5	59
62	Bi <sub>4</sub> NbO <sub>8</sub> Cl {001} nanosheets coupled with g-C <sub>3</sub> N <sub>4</sub> as 2D/2D heterojunction for photocatalytic degradation and CO <sub>2</sub> reduction. <i>Journal of Hazardous Materials</i> , 2020, 381, 121159.	12.4	111
63	Two layered Bi-based borate photocatalysts MBi <sub>2</sub> B <sub>2</sub> O <sub>7</sub> (M = Ca, Sr) for photocatalytic degradation and oxygen activation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 584, 123994.	4.7	16
64	Coupling Piezocatalysis and Photocatalysis in Bi <sub>4</sub> NbO <sub>8</sub> X (X = Cl, Br) Polar Single Crystals. <i>Advanced Functional Materials</i> , 2020, 30, 1908168.	14.9	225
65	Pyroelectric catalysis. <i>Nano Energy</i> , 2020, 78, 105371.	16.0	73
66	Photocatalysis-Assisted Co <sub>3</sub> O <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> p-n Junction All-Solid-State Supercapacitors: A Bridge between Energy Storage and Photocatalysis. <i>Advanced Science</i> , 2020, 7, 2001939.	11.2	83
67	Surface engineered 2D materials for photocatalysis. <i>Chemical Communications</i> , 2020, 56, 11000-11013.	4.1	61
68	Identification of Halogen-Associated Active Sites on Bismuth-Based Perovskite Quantum Dots for Efficient and Selective CO <sub>2</sub> -to-CO Photoreduction. <i>ACS Nano</i> , 2020, 14, 13103-13114.	14.6	282
69	Piezocatalysis and Piezo-Photocatalysis: Catalysts Classification and Modification Strategy, Reaction Mechanism, and Practical Application. <i>Advanced Functional Materials</i> , 2020, 30, 2005158.	14.9	435
70	Ligand Functionalization in Zirconium-Based Metal-Organic Frameworks for Enhanced Carbon Dioxide Fixation. <i>Advanced Sustainable Systems</i> , 2020, 4, 2000098.	5.3	9
71	Thin-Layered Photocatalysts. <i>Advanced Functional Materials</i> , 2020, 30, 1910005.	14.9	117
72	Room-temperature controllable synthesis of Bi <sub>5</sub> O <sub>7</sub> I nanostrips for improved photocatalytic activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 594, 124642.	4.7	18

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73	Enhancing H <sub>2</sub> evolution and molecular oxygen activation via dye sensitized BiOBr <sub>0.9</sub> IO <sub>0.1</sub> under visible light. Journal of Colloid and Interface Science, 2020, 580, 1-10.	9.4	17
74	BiOI/Bi <sub>2</sub> O <sub>2</sub> [BO <sub>2</sub> (OH)] heterojunction with boosted photocatalytic degradation performance for diverse pollutants under visible light irradiation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 603, 125184.	4.7	15
75	OD to 3D controllable nanostructures of BiOBr via a facile and fast room-temperature strategy. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 603, 125233.	4.7	25
76	Cooperation of oxygen vacancies and 2D ultrathin structure promoting CO <sub>2</sub> photoreduction performance of Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> . Science Bulletin, 2020, 65, 934-943.	9.0	151
77	Z-scheme g-C <sub>3</sub> N <sub>4</sub> /Bi <sub>2</sub> O <sub>2</sub> [BO <sub>2</sub> (OH)] heterojunction for enhanced photocatalytic CO <sub>2</sub> reduction. Journal of Colloid and Interface Science, 2020, 568, 139-147.	9.4	65
78	Macroscopic Spontaneous Polarization and Surface Oxygen Vacancies Collaboratively Boosting CO <sub>2</sub> Photoreduction on BiOI <sub>0.3</sub> Single Crystals. Advanced Materials, 2020, 32, e1908350.	21.0	372
79	Construction of PDDA functionalized black phosphorus nanosheets/BiOI Z-scheme photocatalyst with enhanced visible light photocatalytic activity. Journal of Colloid and Interface Science, 2020, 576, 34-46.	9.4	37
80	Ferroelectric polarization and thin-layered structure synergistically promoting CO <sub>2</sub> photoreduction of Bi <sub>2</sub> MoO <sub>6</sub> . Journal of Materials Chemistry A, 2020, 8, 9268-9277.	10.3	113
81	Surface sites engineering on semiconductors to boost photocatalytic CO <sub>2</sub> reduction. Nano Energy, 2020, 75, 104959.	16.0	132
82	The preparation of Fe doped triclinic-hexagonal phase heterojunction WO <sub>3</sub> film and its enhanced photocatalytic reduction of Cr (VI). Materials Research Bulletin, 2019, 109, 168-174.	5.2	38
83	Bifunctional Hydrogen Production and Storage on OD-1D Heterojunction of Cd <sub>0.5</sub> Zn <sub>0.5</sub> S@Halloysites. Advanced Functional Materials, 2019, 29, 1903825.	14.9	50
84	Carbon-coated MoO <sub>2</sub> nanoclusters anchored on RGO sheets as high-performance electrodes for symmetric supercapacitors. Dalton Transactions, 2019, 48, 285-295.	3.3	28
85	Size-dependent selectivity and activity of CO <sub>2</sub> photoreduction over black nano-titanias grown on dendritic porous silica particles. Applied Catalysis B: Environmental, 2019, 255, 117768.	20.2	30
86	Rubidium Cerium (IV) Iodates with High UV-Visible Light-Driven Photocatalytic Efficiency. ChemistrySelect, 2019, 4, 7076-7081.	1.5	2
87	Pivotal roles of artificial oxygen vacancies in enhancing photocatalytic activity and selectivity on Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> nanosheets. Chinese Journal of Catalysis, 2019, 40, 620-630.	14.0	65
88	Unprecedented Eighteen-Faceted BiOCl with a Ternary Facet Junction Boosting Cascade Charge Flow and Photo-Redox. Angewandte Chemie - International Edition, 2019, 58, 9517-9521.	13.8	230
89	Unprecedented Eighteen-Faceted BiOCl with a Ternary Facet Junction Boosting Cascade Charge Flow and Photo-Redox. Angewandte Chemie, 2019, 131, 9617-9621.	2.0	21
90	Surface-Halogenation-Induced Atomic-Site Activation and Local Charge Separation for Superb CO <sub>2</sub> Photoreduction. Advanced Materials, 2019, 31, e1900546.	21.0	343

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91	High-surface energy enables efficient and stable photocatalytic toluene degradation via the suppression of intermediate byproducts. <i>Catalysis Science and Technology</i> , 2019, 9, 2952-2959.	4.1	20
92	The Role of Polarization in Photocatalysis. <i>Angewandte Chemie</i> , 2019, 131, 10164-10176.	2.0	47
93	Rational nanostructure design of graphitic carbon nitride for photocatalytic applications. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11584-11612.	10.3	174
94	The Role of Polarization in Photocatalysis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10061-10073.	13.8	590
95	Controllable synthesis, characterization and photocatalytic performance of four kinds of bismuth-based materials. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 568, 419-428.	4.7	16
96	Threeâ€inâ€One Oxygen Vacancies: Whole Visibleâ€Spectrum Absorption, Efficient Charge Separation, and Surface Site Activation for Robust CO <sub>2</sub> Photoreduction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3880-3884.	13.8	483
97	Self-sacrifice transformation for fabrication of type-I and type-II heterojunctions in hierarchical BixOylz/g-C3N4 for efficient visible-light photocatalysis. <i>Applied Surface Science</i> , 2019, 470, 1101-1110.	6.1	72
98	Threeâ€inâ€One Oxygen Vacancies: Whole Visibleâ€Spectrum Absorption, Efficient Charge Separation, and Surface Site Activation for Robust CO <sub>2</sub> Photoreduction. <i>Angewandte Chemie</i> , 2019, 131, 3920-3924.	2.0	45
99	Ferroelectric polarization promoted bulk charge separation for highly efficient CO2 photoreduction of SrBi4Ti4O15. <i>Nano Energy</i> , 2019, 56, 840-850.	16.0	144
100	Highly enhanced visible-light photocatalytic NO x purification and conversion pathway on self-structurally modified g-C 3 N 4 nanosheets. <i>Science Bulletin</i> , 2018, 63, 609-620.	9.0	72
101	KCl-mediated dual electronic channels in layered g-C <sub>3</sub> N <sub>4</sub> for enhanced visible light photocatalytic NO removal. <i>Nanoscale</i> , 2018, 10, 8066-8074.	5.6	126
102	Visible-Light-Responsive SillÃ©n-Structured Mixed-Cationic CdBiO <sub>2</sub> Br Nanosheets: Layer Structure Design Promoting Charge Separation and Oxygen Activation Reactions. <i>Journal of Physical Chemistry C</i> , 2018, 122, 2661-2672.	3.1	60
103	Unraveling the Mechanisms of Visible Light Photocatalytic NO Purification on Earth-Abundant Insulator-Based Coreâ€Shell Heterojunctions. <i>Environmental Science &amp; Technology</i> , 2018, 52, 1479-1487.	10.0	192
104	Multifunctional Bi <sub>2</sub> O <sub>3</sub> (OH)(NO <sub>3</sub> ) Nanosheets with {001} Active Exposing Facets: Efficient Photocatalysis, Dye-Sensitization, and Piezoelectric-Catalysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 1848-1862.	6.7	117
105	Nature-Derived Approach to Oxygen and Chlorine Dual-Vacancies for Efficient Photocatalysis and Photoelectrochemistry. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 2395-2406.	6.7	80
106	Activation of amorphous Bi2WO6 with synchronous Bi metal and Bi2O3 coupling: Photocatalysis mechanism and reaction pathway. <i>Applied Catalysis B: Environmental</i> , 2018, 232, 340-347.	20.2	179
107	pH-Dependence in facet-selective photo-deposition of metals and metal oxides on semiconductor particles. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7500-7508.	10.3	26
108	The activation of reactants and intermediates promotes the selective photocatalytic NO conversion on electron-localized Sr-intercalated g-C3N4. <i>Applied Catalysis B: Environmental</i> , 2018, 232, 69-76.	20.2	125



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109	The preparation, characterization of Fe <sub>3</sub> C microelectrolysis materials using low-cost biochar and the removal of ultra-high COD pesticide wastewater. <i>Water and Environment Journal</i> , 2018, 32, 43-50.	2.2	5
110	High-performance asymmetrical supercapacitor composed of rGO-enveloped nickel phosphite hollow spheres and N/S co-doped rGO aerogel. <i>Nano Research</i> , 2018, 11, 1651-1663.	10.4	58
111	Ferroelectric spontaneous polarization steering charge carriers migration for promoting photocatalysis and molecular oxygen activation. <i>Journal of Colloid and Interface Science</i> , 2018, 509, 113-122.	9.4	100
112	One-pot synthesis of Ni(OH) <sub>2</sub> flakes embeded in highly-conductive carbon nanotube/graphene hybrid framework as high performance electrodes for supercapacitors. <i>Materials Letters</i> , 2018, 213, 131-134.	2.6	13
113	Visible-light-induced charge transfer pathway and photocatalysis mechanism on Bi semimetal@defective BiOBr hierarchical microspheres. <i>Journal of Catalysis</i> , 2018, 357, 41-50.	6.2	246
114	Disulfide-Bridged Organosilica Frameworks: Designed, Synthesis, Redox-Triggered Biodegradation, and Nanobiomedical Applications. <i>Advanced Functional Materials</i> , 2018, 28, 1707325.	14.9	150
115	Thickness-Dependent Facet Junction Control of Layered BiOI <sub>3</sub> Single Crystals for Highly Efficient CO <sub>2</sub> Photoreduction. <i>Advanced Functional Materials</i> , 2018, 28, 1804284.	14.9	358
116	Z-Scheme g-C <sub>3</sub> N <sub>4</sub> /Bi <sub>4</sub> NbO <sub>8</sub> Cl Heterojunction for Enhanced Photocatalytic Hydrogen Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16219-16227.	6.7	156
117	Bi <sub>2</sub> O <sub>2</sub> (OH)NO <sub>3</sub> /AgI heterojunction with enhanced UV and visible-light responsive photocatalytic activity and mechanism investigation. <i>Materials Research Bulletin</i> , 2018, 108, 120-129.	5.2	14
118	A highly sensitive hybridized soft piezophotocatalyst driven by gentle mechanical disturbances in water. <i>Nano Energy</i> , 2018, 53, 513-523.	16.0	95
119	Molten-salt fabrication of (N,F)-codoped single-crystal-like titania with high exposure of (001) crystal facet for highly efficient degradation of methylene blue under visible light irradiation. <i>Journal of Materials Research</i> , 2018, 33, 1411-1421.	2.6	9
120	A core-satellite structured Z-scheme catalyst Cd <sub>0.5</sub> Zn <sub>0.5</sub> S/BiVO <sub>4</sub> for highly efficient and stable photocatalytic water splitting. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16932-16942.	10.3	154
121	Facet, Junction and Electric Field Engineering of Bismuth-Based Materials for Photocatalysis. <i>ChemCatChem</i> , 2018, 10, 4477-4496.	3.7	89
122	Facile synthesis of mesoporous organosilica nanobowls with bridged silsesquioxane framework by one-pot growth and dissolution mechanism. <i>Journal of Colloid and Interface Science</i> , 2018, 528, 379-388.	9.4	19
123	Novel yolk-shell polymer/carbon@Au nanocomposites by using dendrimer-like mesoporous silica nanoparticles as hard template. <i>Journal of Alloys and Compounds</i> , 2017, 700, 83-91.	5.5	25
124	Fe( <sup>iii</sup> ) cluster-grafted (BiO) <sub>2</sub> CO <sub>3</sub> superstructures: in situ DRIFTS investigation on IFCT-enhanced visible light photocatalytic NO oxidation. <i>Environmental Science: Nano</i> , 2017, 4, 604-612.	4.3	36
125	Structure and Characterization of a Zero-Dimensional Alkali Tin Dihalides Compound Cs <sub>3</sub> Sn <sub>3</sub> F <sub>2</sub> Cl <sub>7</sub> with the [Sn <sub>2</sub> F <sub>2</sub> Cl <sub>4</sub> ] <sup>2+</sup> Clusters. <i>Inorganic Chemistry</i> , 2017, 56, 3081-3086.	4.0	9
126	Pt quantum dots deposited on N-doped (BiO) <sub>2</sub> CO <sub>3</sub> : enhanced visible light photocatalytic NO removal and reaction pathway. <i>Catalysis Science and Technology</i> , 2017, 7, 1324-1332.	4.1	50



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127	Readily attainable spongy foam photocatalyst for promising practical photocatalysis. Applied Catalysis B: Environmental, 2017, 208, 75-81.	20.2	43
128	BaAu <sub>2</sub> S <sub>2</sub> : A Au-Based Intrinsic Photocatalyst for High-Performance Visible-Light Photocatalysis. Inorganic Chemistry, 2017, 56, 5173-5181.	4.0	16
129	BiOBr <sub>0.75</sub> I <sub>0.25</sub> /BiOI <sub>3</sub> as a Novel Heterojunctional Photocatalyst with Superior Visible-Light-Driven Photocatalytic Activity in Removing Diverse Industrial Pollutants. ACS Sustainable Chemistry and Engineering, 2017, 5, 3897-3905.	6.7	82
130	Bismuth oxychloride homogeneous phasejunction BiOCl/Bi <sub>12</sub> O <sub>17</sub> Cl <sub>2</sub> with unselectively efficient photocatalytic activity and mechanism insight. Applied Surface Science, 2017, 420, 303-312.	6.1	90
131	Sandwich-type amperometric immunosensor using functionalized magnetic graphene loaded gold and silver core-shell nanocomposites for the detection of Carcinoembryonic antigen. Journal of Electroanalytical Chemistry, 2017, 795, 1-9.	3.8	32
132	Vertically Aligned Nanosheets-Array-like BiOI Homojunction: Three-in-One Promoting Photocatalytic Oxidation and Reduction Abilities. ACS Sustainable Chemistry and Engineering, 2017, 5, 5253-5264.	6.7	59
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