

Mingshan Zhu

List of Publications by Year in descending order

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201
papers

14,326
citations

14655

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110
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all docs

205
docs citations

205
times ranked

11803
citing authors

#	ARTICLE	IF	CITATIONS
1	Cascaded electron transition proved by femto-second transient absorption spectroscopy for enhanced photocatalysis hydrogen generation. <i>Chinese Chemical Letters</i> , 2023, 34, 107683.	9.0	18
2	Boosted visible-light photocatalytic performance of Au/BiOCl/BiOI by high-speed spatial electron transfer channel. <i>Journal of Alloys and Compounds</i> , 2022, 890, 161736.	5.5	17
3	The synergistic interactions of reaction parameters in heterogeneous peroxymonosulfate oxidation: Reaction kinetic and catalytic mechanism. <i>Journal of Hazardous Materials</i> , 2022, 421, 126841.	12.4	24
4	Peroxydisulfate bridged photocatalysis of covalent triazine framework for carbamazepine degradation. <i>Chemical Engineering Journal</i> , 2022, 427, 131613.	12.7	18
5	Recent progress on the removal of antibiotic pollutants using photocatalytic oxidation process. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 1401-1448.	12.8	72
6	Ba substituted SrTiO ₃ induced lattice deformation for enhanced piezocatalytic removal of carbamazepine from water. <i>Journal of Hazardous Materials</i> , 2022, 424, 127440.	12.4	34
7	Self-Powered Water Flow-Triggered Piezocatalytic Generation of Reactive Oxygen Species for Water Purification in Simulated Water Drainage. <i>ACS ES&T Engineering</i> , 2022, 2, 101-109.	7.6	40
8	Protrudent Iron Single-Atom Accelerated Interfacial Piezoelectric Polarization for Self-Powered Water Motion Triggered Fenton-Like Reaction. <i>Small</i> , 2022, 18, e2105279.	10.0	58
9	Tuning piezoelectric driven photocatalysis by La-doped magnetic BiFeO ₃ -based multiferroics for water purification. <i>Nano Energy</i> , 2022, 93, 106792.	16.0	80
10	Piezoelectric Disinfection of Water Co-Polluted by Bacteria and Microplastics Energized by Water Flow. <i>ACS ES&T Water</i> , 2022, 2, 367-375.	4.6	21
11	Molecular structure on the detoxification of fluorinated liquid crystal monomers with reactive oxidation species in the photocatalytic process. <i>Environmental Science and Ecotechnology</i> , 2022, 9, 100141.	13.5	19
12	Heterogeneous Photocatalytic Activation of Persulfate for the Removal of Organic Contaminants in Water: A Critical Review. <i>ACS ES&T Engineering</i> , 2022, 2, 527-546.	7.6	101
13	Protruding Pt single-sites on hexagonal ZnIn ₂ S ₄ to accelerate photocatalytic hydrogen evolution. <i>Nature Communications</i> , 2022, 13, 1287.	12.8	198
14	Enhanced utilization efficiency of peroxymonosulfate via water vortex-driven piezo-activation for removing organic contaminants from water. <i>Environmental Science and Ecotechnology</i> , 2022, 10, 100165.	13.5	49
15	Sulfur Vacancies Enriched 2D ZnIn ₂ S ₄ Nanosheets for Improving Photoelectrochemical Performance. <i>Catalysts</i> , 2022, 12, 400.	3.5	18
16	2D metal-free heterostructure of covalent triazine framework/g-C ₃ N ₄ for enhanced photocatalytic CO ₂ reduction with high selectivity. <i>Chinese Journal of Catalysis</i> , 2022, 43, 1306-1315.	14.0	74
17	Pt nanoclusters embedded Fe-based metal-organic framework as a dual-functional electrocatalyst for hydrogen evolution and alcohols oxidation. <i>Journal of Colloid and Interface Science</i> , 2022, 616, 279-286.	9.4	18
18	Near-infrared response Pt-tipped Au nanorods/g-C ₃ N ₄ realizes photolysis of water to produce hydrogen. <i>Journal of Materials Science and Technology</i> , 2022, 119, 53-60.	10.7	44

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19	Piezo-enhanced charge carrier separation over plasmonic Au-BiOBr for piezo-photocatalytic carbamazepine removal. <i>Applied Catalysis B: Environmental</i> , 2022, 311, 121369.	20.2	57
20	Hierarchical NiCo ₂ S ₄ /ZnIn ₂ S ₄ heterostructured prisms: High-efficient photocatalysts for hydrogen production under visible-light. <i>Journal of Colloid and Interface Science</i> , 2022, 619, 339-347.	9.4	33
21	A label-free photoelectrochemical sensor of S, N co-doped graphene quantum dot (S, N-GQD)-modified electrode for ultrasensitive detection of bisphenol A. <i>Mikrochimica Acta</i> , 2022, 189, 208.	5.0	9
22	Nonmetallic surface plasmon resonance coupling with pyroelectric effect for enhanced near-infrared-driven CO ₂ reduction. <i>Chemical Engineering Journal</i> , 2022, 445, 136739.	12.7	14
23	Piezoelectric polarization of BiOCl via capturing mechanical energy for catalytic H ₂ evolution. <i>Surfaces and Interfaces</i> , 2022, 31, 102056.	3.0	15
24	Operando optical fiber monitoring of nanoscale and fast temperature changes during photo-electrocatalytic reactions. <i>Light: Science and Applications</i> , 2022, 11, .	16.6	26
25	Thickness-dependent piezo-photo-responsive behavior of ZnAl-layered double hydroxide for wastewater remediation. <i>Nano Energy</i> , 2022, 101, 107583.	16.0	18
26	Breaking the intrinsic activity barriers of perovskite oxides photocatalysts for catalytic CO ₂ reduction via piezoelectric polarization. <i>Applied Catalysis B: Environmental</i> , 2022, 317, 121747.	20.2	33
27	Near-infrared light-assisted methanol oxidation reaction over the ferrous phosphide. <i>Journal of Colloid and Interface Science</i> , 2022, 626, 599-607.	9.4	3
28	Visible-light-assisted peroxymonosulfate activation over Fe(II)/V(IV) self-doped FeVO ₄ nanobelts with enhanced sulfamethoxazole degradation: Performance and mechanism. <i>Chemical Engineering Journal</i> , 2021, 403, 126384.	12.7	97
29	Femtosecond time-resolved diffuse reflectance study on facet engineered charge-carrier dynamics in Ag ₃ PO ₄ for antibiotics photodegradation. <i>Applied Catalysis B: Environmental</i> , 2021, 281, 119479.	20.2	42
30	Complexes of Fe(III)-organic pollutants that directly activate Fenton-like processes under visible light. <i>Applied Catalysis B: Environmental</i> , 2021, 283, 119663.	20.2	87
31	Structure-dependent degradation of nitroimidazoles by cobalt-manganese layered double hydroxide catalyzed peroxymonosulfate process. <i>Chemosphere</i> , 2021, 266, 129006.	8.2	34
32	Near-infrared light to heat conversion in peroxydisulfate activation with MoS ₂ : A new photo-activation process for water treatment. <i>Water Research</i> , 2021, 190, 116720.	11.3	109
33	Surface dual redox cycles of Mn(III)/Mn(IV) and Cu(I)/Cu(II) for heterogeneous peroxymonosulfate activation to degrade diclofenac: Performance, mechanism and toxicity assessment. <i>Journal of Hazardous Materials</i> , 2021, 410, 124623.	12.4	59
34	Construction of piezoelectric BaTiO ₃ /MoS ₂ heterojunction for boosting piezo-activation of peroxymonosulfate. <i>Chinese Chemical Letters</i> , 2021, 32, 2052-2056.	9.0	119
35	Ultrathin S-doped graphitic carbon nitride nanosheets for enhanced sulphiride degradation via visible-light-assisted peroxydisulfate activation: Performance and mechanism. <i>Chemosphere</i> , 2021, 266, 128929.	8.2	28
36	What is the role of light in persulfate-based advanced oxidation for water treatment?. <i>Water Research</i> , 2021, 189, 116627.	11.3	214

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37	CsPbBr ₃ perovskite nanocrystals anchoring on monolayer MoS ₂ nanosheets for efficient photocatalytic CO ₂ reduction. <i>Chemical Engineering Journal</i> , 2021, 416, 128077.	12.7	73
38	Surfactant assisted Cr-metal organic framework for the detection of bisphenol A in dust from E-waste recycling area. <i>Analytica Chimica Acta</i> , 2021, 1146, 174-183.	5.4	23
39	Hierarchically 1D CdS decorated on 2D perovskite-type La ₂ Ti ₂ O ₇ nanosheet hybrids with enhanced photocatalytic performance. <i>Rare Metals</i> , 2021, 40, 1067-1076.	7.1	72
40	Photo-responsive metal/semiconductor hybrid nanostructure: A promising electrocatalyst for solar light enhanced fuel cell reaction. <i>Chinese Chemical Letters</i> , 2021, 32, 1348-1358.	9.0	60
41	Selective and efficacious photoelectrochemical detection of ciprofloxacin based on the self-assembly of 2D/2D g-C ₃ N ₄ /Ti ₃ C ₂ composites. <i>Applied Surface Science</i> , 2021, 539, 148241.	6.1	65
42	Plasmonic photo-assisted electrochemical sensor for detection of trace lead ions based on Au anchored on two-dimensional g-C ₃ N ₄ /graphene nanosheets. <i>Rare Metals</i> , 2021, 40, 1727-1737.	7.1	38
43	Identification of Environmental Liquid-Crystal Monomers: A Class of New Persistent Organic Pollutants—Fluorinated Biphenyls and Analogues—Emitted from E-Waste Dismantling. <i>Environmental Science & Technology</i> , 2021, 55, 5984-5992.	10.0	57
44	CsPbBr ₃ Perovskite Nanocrystal: A Robust Photocatalyst for Realizing NO Abatement. <i>ACS ES&T Engineering</i> , 2021, 1, 1021-1027.	7.6	18
45	Construction of BiOCl/CuBi ₂ O ₄ S-scheme heterojunction with oxygen vacancy for enhanced photocatalytic diclofenac degradation and nitric oxide removal. <i>Chemical Engineering Journal</i> , 2021, 411, 128555.	12.7	200
46	Insight into the effects of hydroxyl groups on the rates and pathways of tetracycline antibiotics degradation in the carbon black activated peroxydisulfate oxidation process. <i>Journal of Hazardous Materials</i> , 2021, 412, 125256.	12.4	70
47	Chemical Identification of Catalytically Active Sites on Oxygen-doped Carbon Nanosheet to Decipher the High Activity for Electro-synthesis Hydrogen Peroxide. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16607-16614.	13.8	150
48	Chemical Identification of Catalytically Active Sites on Oxygen-doped Carbon Nanosheet to Decipher the High Activity for Electro-synthesis Hydrogen Peroxide. <i>Angewandte Chemie</i> , 2021, 133, 16743-16750.	2.0	34
49	Experimental and DFT insights into the visible-light driving metal-free C ₃ N ₅ activated persulfate system for efficient water purification. <i>Applied Catalysis B: Environmental</i> , 2021, 289, 120023.	20.2	190
50	Molecularly imprinted photoelectrochemical sensor for detecting tetrabromobisphenol A in indoor dust and water. <i>Mikrochimica Acta</i> , 2021, 188, 320.	5.0	10
51	Integration of CW-MFC and anaerobic granular sludge to explore the intensified ammonification-nitrification-denitrification processes for nitrogen removal. <i>Chemosphere</i> , 2021, 278, 130428.	8.2	22
52	Photo-assisted simultaneous electrochemical detection of multiple heavy metal ions with a metal-free carbon black anchored graphitic carbon nitride sensor. <i>Analytica Chimica Acta</i> , 2021, 1183, 338951.	5.4	32
53	Metallic Bi self-deposited BiOCl promoted piezocatalytic removal of carbamazepine. <i>Surfaces and Interfaces</i> , 2021, 26, 101335.	3.0	17
54	Consolidated 3D Co ₃ Mn-layered double hydroxide aerogel for photo-assisted peroxymonosulfate activation in metronidazole degradation. <i>Chemical Engineering Journal</i> , 2021, 423, 130172.	12.7	48

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55	Enhanced durability of nitric oxide removal on TiO ₂ (P25) under visible light: Enabled by the direct Z-scheme mechanism and enhanced structure defects through coupling with C ₃ N ₄ . <i>Applied Catalysis B: Environmental</i> , 2021, 296, 120372.	20.2	96
56	Recent Progress on Metallic Bismuth-Based Photocatalysts: Synthesis, Construction, and Application in Water Purification. <i>Solar Rrl</i> , 2021, 5, 2100668.	5.8	37
57	Heterostructures Based on g-C ₃ N ₄ /CuI as a Photoactivated Support for Pt Nanoparticles toward Efficient Photoelectrocatalytic Methanol Oxidation. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 762-770.	3.7	11
58	Highly dispersed Ag nanoparticles <i>in situ</i> creating rich cyano defects in carbon nitride for efficient photocatalytic H ₂ production. <i>New Journal of Chemistry</i> , 2021, 45, 22039-22043.	2.8	5
59	Green synthesis of 3D tripyramid TiO ₂ architectures with assistance of aloe extracts for highly efficient photocatalytic degradation of antibiotic ciprofloxacin. <i>Applied Catalysis B: Environmental</i> , 2020, 260, 118149.	20.2	92
60	Three dimensional Pt island-on-Au architectures coupled with graphite carbon nitride nanosheets for effective photo-accelerated methanol electro-oxidation. <i>Journal of Colloid and Interface Science</i> , 2020, 558, 38-46.	9.4	37
61	Snowflake-like Cu ₂ S as visible-light-carrier for boosting Pd electrocatalytic ethylene glycol oxidation under visible light irradiation. <i>Electrochimica Acta</i> , 2020, 330, 135214.	5.2	27
62	In Situ Growth of BiOI/MoS ₂ Heterostructure as Pt Supports for Visible Light-Assisted Electrocatalytic Methanol Oxidation Reaction. <i>Energy Technology</i> , 2020, 8, 1900731.	3.8	7
63	Synthesis of Pt nanoparticles supported on a novel 2D bismuth tungstate/lanthanum titanate heterojunction for photoelectrocatalytic oxidation of methanol. <i>Journal of Colloid and Interface Science</i> , 2020, 561, 338-347.	9.4	25
64	The effect of peroxymonosulfate in WS ₂ nanosheets for the removal of diclofenac: Information exposure and degradation pathway. <i>Chemosphere</i> , 2020, 245, 125678.	8.2	44
65	New insight into the substituents affecting the peroxydisulfate nonradical oxidation of sulfonamides in water. <i>Water Research</i> , 2020, 171, 115374.	11.3	88
66	Defect in reduced graphene oxide tailored selectivity of photocatalytic CO ₂ reduction on Cs ₄ PbBr ₆ perovskite hole-in-microdisk structure. <i>Nano Energy</i> , 2020, 78, 105388.	16.0	64
67	Newly Found Photoactivated Pt Anchored on Three-Dimensional Layered WS ₂ /Carbon Cloth for Highly Efficient Ethylene Glycol Electro-Oxidation. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 19252-19259.	3.7	24
68	Detection of pollutants in water bodies: electrochemical detection or photo-electrochemical detection?. <i>Chemical Communications</i> , 2020, 56, 14541-14552.	4.1	56
69	Photo-electrochemical detection of dopamine in human urine and calf serum based on MIL-101 (Cr)/carbon black. <i>Mikrochimica Acta</i> , 2020, 187, 526.	5.0	40
70	Two-dimensional TiO ₂ (001) nanosheets as an effective photo-assisted recyclable sensor for the electrochemical detection of bisphenol A. <i>Chinese Chemical Letters</i> , 2020, 31, 2839-2842.	9.0	85
71	Insight into combining visible-light photocatalysis with transformation of dual metal ions for enhancing peroxymonosulfate activation over dibismuth copper oxide. <i>Chemical Engineering Journal</i> , 2020, 397, 125310.	12.7	37
72	Enhanced energy efficiency for the complete mineralization of diclofenac by self-sequential ultrasound enhanced ozonation. <i>RSC Advances</i> , 2020, 10, 15493-15500.	3.6	3

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73	Immobilizing perovskite CsPbBr ₃ nanocrystals on Black phosphorus nanosheets for boosting charge separation and photocatalytic CO ₂ reduction. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119230.	20.2	132
74	Photo-assisted peroxymonosulfate activation via 2D/2D heterostructure of Ti ₃ C ₂ /g-C ₃ N ₄ for degradation of diclofenac. <i>Chemosphere</i> , 2020, 258, 127339.	8.2	78
75	Cu-In ₂ S ₃ nanorod induced the growth of Cu&In co-doped multi-arm CdS hetero-phase junction to promote photocatalytic H ₂ evolution. <i>Chemical Engineering Journal</i> , 2020, 399, 125785.	12.7	50
76	Enhanced Electrocatalytic Oxidation of Methanol on Pt@Decorated Bi ₂ WO ₆ /Graphene Nanosheets with Visible Light Assistance. <i>Energy Technology</i> , 2020, 8, 2000210.	3.8	7
77	Insight into combining visible-light photocatalysis with transformation of dual metal ions for enhancing peroxymonosulfate activation over dibismuth copper oxide. <i>Chemical Engineering Journal</i> , 2020, 390, 124582.	12.7	40
78	Piezo-activation of peroxymonosulfate for benzothiazole removal in water. <i>Journal of Hazardous Materials</i> , 2020, 393, 122448.	12.4	102
79	Co-occurrence of and Infant Exposure to Multiple Common and Unusual Phenolic Antioxidants in Human Breast Milk. <i>Environmental Science and Technology Letters</i> , 2020, 7, 206-212.	8.7	37
80	Occurrence of multiple classes of emerging photoinitiators in indoor dust from E-waste recycling facilities and adjacent communities in South China and implications for human exposure. <i>Environment International</i> , 2020, 136, 105462.	10.0	24
81	Synthesis of porphyrin nanodisks from COFs through mechanical stirring and their photocatalytic activity. <i>Applied Surface Science</i> , 2020, 513, 145720.	6.1	17
82	In situ photoreduction of structural Fe(III) in a metal-organic framework for peroxydisulfate activation and efficient removal of antibiotics in real wastewater. <i>Journal of Hazardous Materials</i> , 2020, 388, 121996.	12.4	121
83	Pt decorated 2D/3D heterostructure of Bi ₂ WO ₆ nanosheet/Cu ₂ S snowflake for improving electrocatalytic methanol oxidation with visible-light assistance. <i>Applied Surface Science</i> , 2020, 521, 146431.	6.1	30
84	In-situ growing Bi/BiOCl microspheres on Ti ₃ C ₂ nanosheets for upgrading visible-light-driven photocatalytic activity. <i>Applied Surface Science</i> , 2020, 520, 146339.	6.1	72
85	Visible light-assisted peroxydisulfate activation via hollow copper tungstate spheres for removal of antibiotic sulfamethoxazole. <i>Chinese Chemical Letters</i> , 2020, 31, 2721-2724.	9.0	104
86	Construction of 2D/2D BiVO ₄ /g-C ₃ N ₄ nanosheet heterostructures with improved photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2019, 533, 251-258.	9.4	121
87	2D Bi ₂ WO ₆ /MoS ₂ as a new photo-activated carrier for boosting electrocatalytic methanol oxidation with visible light illumination. <i>Chinese Chemical Letters</i> , 2019, 30, 2338-2342.	9.0	146
88	A review of graphene-based nanomaterials for removal of antibiotics from aqueous environments. <i>Environmental Pollution</i> , 2019, 253, 100-110.	7.5	178
89	Ultrathin Two-Dimensional Semiconductors for Photocatalysis in Energy and Environment Applications. <i>ChemCatChem</i> , 2019, 11, 6147-6165.	3.7	55
90	Ultrathin BiOCl/nitrogen-doped graphene quantum dots composites with strong adsorption and effective photocatalytic activity for the degradation of antibiotic ciprofloxacin. <i>Applied Surface Science</i> , 2019, 496, 143655.	6.1	58

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91	Enhanced photo-assisted ethanol electro-oxidation activity by using broadband visible light absorption of a graphitic C ₃ N ₄ /BiOI carrier. Sustainable Energy and Fuels, 2019, 3, 439-449.	4.9	30
92	Insight into iron group transition metal phosphides (Fe ₂ P, Co ₂ P, Ni ₂ P) for improving photocatalytic hydrogen generation. Applied Catalysis B: Environmental, 2019, 246, 330-336.	20.2	133
93	Occurrence of two novel triazine-based flame retardants in an E-waste recycling area in South China: Implication for human exposure. Science of the Total Environment, 2019, 683, 249-257.	8.0	21
94	Monitoring Transport Behavior of Charge Carriers in a Single CdS@CuS Nanowire via In Situ Single-Particle Photoluminescence Spectroscopy. Journal of Physical Chemistry Letters, 2019, 10, 4017-4024.	4.6	37
95	Structure-retentive synthesis of a highly ordered mesoporous Nb ₂ O ₅ /N-doped graphene nanocomposite with superior interfacial contacts and improved visible-light photocatalysis. Catalysis Science and Technology, 2019, 9, 3373-3379.	4.1	8
96	Homo- and heterochirality regulated blue and red phase polymerization of diacetylene with enantiomeric and racemic gelators. European Polymer Journal, 2019, 118, 146-152.	5.4	6
97	Dual function of graphene oxide for assisted exfoliation of black phosphorus and electron shuttle in promoting visible and near-infrared photocatalytic H ₂ evolution. Applied Catalysis B: Environmental, 2019, 256, 117864.	20.2	41
98	Synthesis and photocatalytic activity of ultrathin two-dimensional porphyrin nanodisks via covalent organic framework exfoliation. Communications Chemistry, 2019, 2, .	4.5	46
99	2D Semiconductor Bi ₂ WO ₆ Nanosheets as the Pt Carriers for Ethylene Glycol Oxidation Reaction with Photoelectric Interaction. Energy Technology, 2019, 7, 1900253.	3.8	8
100	Black Phosphorus Sensitized TiO ₂ Mesocrystal Photocatalyst for Hydrogen Evolution with Visible and Near-Infrared Light Irradiation. ACS Catalysis, 2019, 9, 3618-3626.	11.2	115
101	CdS Quantum Dots Sensitized 2D La ₂ Ti ₂ O ₇ Nanosheets as Support for Visible Light-Assisted Electrocatalytic Methanol Oxidation in Alkaline Medium. Energy Technology, 2019, 7, 1800539.	3.8	16
102	Efficient Visible-Light-Driven Hydrogen Generation on g-C ₃ N ₄ Coupled with Iron Phosphide. ChemPhotoChem, 2019, 3, 540-544.	3.0	8
103	Highly efficient ethylene glycol electrocatalytic oxidation based on bimetallic PtNi on 2D molybdenum disulfide/reduced graphene oxide nanosheets. Journal of Colloid and Interface Science, 2019, 547, 102-110.	9.4	23
104	N,N-Dimethylformamide assisted hydrothermal introduction of MoS ₂ on ultrathin g-C ₃ N ₄ layers with enhanced visible light photocatalytic hydrogen evolution activity. Sustainable Energy and Fuels, 2019, 3, 1461-1467.	4.9	21
105	Realization of ultra-long columnar single crystals in TiO ₂ nanotube arrays as fast electron transport channels for high efficiency dye-sensitized solar cells. Journal of Materials Chemistry A, 2019, 7, 11520-11529.	10.3	19
106	Plasmonic hot electron transfer in anisotropic Pt@Au nanodisks boosts electrochemical reactions in the visible-NIR region. Nanoscale, 2019, 11, 18874-18880.	5.6	19
107	Chemical Interaction in Nitrogen-Doped Graphene Quantum Dots/Graphitic Carbon Nitride Heterostructures with Enhanced Photocatalytic H ₂ Evolution. Energy Technology, 2019, 7, 1800589.	3.8	32
108	A nanostructured CuWO ₄ /Mn ₃ O ₄ with p/n heterojunction as photoanode toward enhanced water oxidation. Catalysis Today, 2019, 335, 173-179.	4.4	40

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109	Facile fabrication of open-ended TiO ₂ nanotube arrays with large area for efficient dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2019, 299, 339-345.	5.2	16
110	Photocatalysis removing of NO based on modified carbon nitride: The effect of celestite mineral particles. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 459-468.	20.2	112
111	Construction of Pt/graphitic C ₃ N ₄ /MoS ₂ heterostructures on photo-enhanced electrocatalytic oxidation of small organic molecules. <i>Applied Catalysis B: Environmental</i> , 2019, 243, 283-293.	20.2	117
112	Enhanced formic acid electrooxidation reaction enabled by 3D PtCo nanodendrites electrocatalyst. <i>Journal of Alloys and Compounds</i> , 2019, 774, 274-281.	5.5	29
113	One-pot fabrication of Nitrogen-doped graphene supported binary palladium-silver nanocapsules enable efficient ethylene glycol electrocatalysis. <i>Journal of Colloid and Interface Science</i> , 2019, 535, 392-399.	9.4	11
114	Innentitelbild: Zâ€Scheme Photocatalytic Water Splitting on a 2D Heterostructure of Black Phosphorus/Bismuth Vanadate Using Visible Light (<i>Angew. Chem.</i> 8/2018). <i>Angewandte Chemie</i> , 2018, 130, 2026-2026.	2.0	1
115	Black phosphorus quantum dots as dual-functional electron-selective materials for efficient plastic perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8886-8894.	10.3	80
116	Visible light-enhanced electrocatalytic alcohol oxidation based on two dimensional Pt-BiOBr nanocomposite. <i>Journal of Colloid and Interface Science</i> , 2018, 524, 195-203.	9.4	40
117	Zâ€Scheme Photocatalytic Water Splitting on a 2D Heterostructure of Black Phosphorus/Bismuth Vanadate Using Visible Light. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2160-2164.	13.8	506
118	Zâ€Scheme Photocatalytic Water Splitting on a 2D Heterostructure of Black Phosphorus/Bismuth Vanadate Using Visible Light. <i>Angewandte Chemie</i> , 2018, 130, 2182-2186.	2.0	356
119	Sophisticated Construction of Binary PdPb Alloy Nanocubes as Robust Electrocatalysts toward Ethylene Glycol and Glycerol Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 12659-12665.	8.0	142
120	2D/1D heterostructure of g-C ₃ N ₄ nanosheets/CdS nanowires as effective photo-activated support for photoelectrocatalytic oxidation of methanol. <i>Catalysis Today</i> , 2018, 315, 36-45.	4.4	48
121	Two dimensional visible-light-active Pt-BiOI photoelectrocatalyst for efficient ethanol oxidation reaction in alkaline media. <i>Applied Surface Science</i> , 2018, 430, 578-584.	6.1	40
122	Plasmon enhanced electrocatalytic oxidation of ethanol and organic contaminants on gold/copper iodide composites under visible light irradiation. <i>Journal of Colloid and Interface Science</i> , 2018, 511, 110-118.	9.4	28
123	Noble metal-free near-infrared-driven photocatalyst for hydrogen production based on 2D hybrid of black Phosphorus/WS ₂ . <i>Applied Catalysis B: Environmental</i> , 2018, 221, 645-651.	20.2	171
124	Continual injection of photoinduced electrons stabilizing surface plasmon resonance of non-elemental-metal plasmonic photocatalyst CdS/WO ₃ âˆ™x for efficient hydrogen generation. <i>Applied Catalysis B: Environmental</i> , 2018, 226, 10-15.	20.2	85
125	Au Nanorod Photosensitized La₂Ti₂O₇ Nanosteps: Successive Surface Heterojunctions Boosting Visible to Near-Infrared Photocatalytic H₂ Evolution. <i>ACS Catalysis</i> , 2018, 8, 122-131.	11.2	114
126	Competition-derived FRET-switching cationic conjugated polymer-Ir(III) complex probe for thrombin detection. <i>Biosensors and Bioelectronics</i> , 2018, 100, 132-138.	10.1	21

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127	Bioactive Compound Prodigiosin in Vivo Affecting the Nutrient Metabolism of Weaned Rats. ACS Omega, 2018, 3, 17474-17480.	3.5	3
128	Size-dependent distribution and inhalation exposure characteristics of particle-bound chlorinated paraffins in indoor air in Guangzhou, China. Environment International, 2018, 121, 675-682.	10.0	30
129	Combined Effects of Dust and Dietary Exposure of Occupational Workers and Local Residents to Short- and Medium-Chain Chlorinated Paraffins in a Mega E-Waste Recycling Industrial Park in South China. Environmental Science & Technology, 2018, 52, 11510-11519.	10.0	25
130	Nano-engineered hexagonal PtCuCo nanocrystals with enhanced catalytic activity for ethylene glycol and glycerol electrooxidation. Journal of the Taiwan Institute of Chemical Engineers, 2018, 93, 477-484.	5.3	14
131	Enhanced electrocatalytic ethanol oxidation reaction in alkaline media over Pt on a 2D BiVO ₄ -modified electrode under visible light irradiation. Catalysis Science and Technology, 2018, 8, 3562-3571.	4.1	30
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