

Mingshan Zhu

List of Publications by Year in descending order

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201
papers

14,326
citations

16791

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110
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205
all docs

205
docs citations

205
times ranked

13365
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.	4.8	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.	2.8	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.	6.5	24
4	Peroxydisulfate bridged photocatalysis of covalent triazine framework for carbamazepine degradation. <i>Chemical Engineering Journal</i> , 2022, 427, 131613.	6.6	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.	6.6	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.	6.5	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.	3.7	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.	5.2	58
9	Tuning piezoelectric driven photocatalysis by La-doped magnetic BiFeO ₃ -based multiferroics for water purification. <i>Nano Energy</i> , 2022, 93, 106792.	8.2	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.	2.3	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.	6.7	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.	3.7	101
13	Protruding Pt single-sites on hexagonal ZnIn ₂ S ₄ to accelerate photocatalytic hydrogen evolution. <i>Nature Communications</i> , 2022, 13, 1287.	5.8	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.	6.7	49
15	Sulfur Vacancies Enriched 2D ZnIn ₂ S ₄ Nanosheets for Improving Photoelectrochemical Performance. <i>Catalysts</i> , 2022, 12, 400.	1.6	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.	6.9	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.	5.0	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.	5.6	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.	10.8	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.	5.0	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.	2.5	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.	6.6	14
23	Piezoelectric polarization of BiOCl via capturing mechanical energy for catalytic H ₂ evolution. <i>Surfaces and Interfaces</i> , 2022, 31, 102056.	1.5	15
24	Operando optical fiber monitoring of nanoscale and fast temperature changes during photo-electrocatalytic reactions. <i>Light: Science and Applications</i> , 2022, 11, .	7.7	26
25	Thickness-dependent piezo-photo-responsive behavior of ZnAl-layered double hydroxide for wastewater remediation. <i>Nano Energy</i> , 2022, 101, 107583.	8.2	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.	10.8	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.	5.0	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.	6.6	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.	10.8	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.	10.8	87
31	Structure-dependent degradation of nitroimidazoles by cobalt-manganese layered double hydroxide catalyzed peroxymonosulfate process. <i>Chemosphere</i> , 2021, 266, 129006.	4.2	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.	5.3	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.	6.5	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.	4.8	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.	4.2	28
36	What is the role of light in persulfate-based advanced oxidation for water treatment?. <i>Water Research</i> , 2021, 189, 116627.	5.3	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.	6.6	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.	2.6	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.	3.6	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.	4.8	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.	3.1	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.	3.6	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.	4.6	57
44	CsPbBr ₃ Perovskite Nanocrystal: A Robust Photocatalyst for Realizing NO Abatement. <i>ACS ES&T Engineering</i> , 2021, 1, 1021-1027.	3.7	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.	6.6	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.	6.5	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.	7.2	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.	1.6	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.	10.8	190
50	Molecularly imprinted photoelectrochemical sensor for detecting tetrabromobisphenol A in indoor dust and water. <i>Mikrochimica Acta</i> , 2021, 188, 320.	2.5	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.	4.2	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.	2.6	32
53	Metallic Bi self-deposited BiOCl promoted piezocatalytic removal of carbamazepine. <i>Surfaces and Interfaces</i> , 2021, 26, 101335.	1.5	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.	6.6	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 . Applied Catalysis B: Environmental, 2021, 296, 120372.	10.8	96
56	Recent Progress on Metallic Bismuth-Based Photocatalysts: Synthesis, Construction, and Application in Water Purification. Solar Rrl, 2021, 5, 2100668.	3.1	37
57	Heterostructures Based on g-C ₃ N ₄ /CuI as a Photoactivated Support for Pt Nanoparticles toward Efficient Photoelectrocatalytic Methanol Oxidation. Industrial & Engineering Chemistry Research, 2021, 60, 762-770.	1.8	11
58	Highly dispersed Ag nanoparticles <i>in situ</i> creating rich cyano defects in carbon nitride for efficient photocatalytic H ₂ production. New Journal of Chemistry, 2021, 45, 22039-22043.	1.4	5
59	Green synthesis of 3D tripyramid TiO ₂ architectures with assistance of aloe extracts for highly efficient photocatalytic degradation of antibiotic ciprofloxacin. Applied Catalysis B: Environmental, 2020, 260, 118149.	10.8	92
60	Three dimensional Pt island-on-Au architectures coupled with graphite carbon nitride nanosheets for effective photo-accelerated methanol electro-oxidation. Journal of Colloid and Interface Science, 2020, 558, 38-46.	5.0	37
61	Snowflake-like Cu ₂ S as visible-light-carrier for boosting Pd electrocatalytic ethylene glycol oxidation under visible light irradiation. Electrochimica Acta, 2020, 330, 135214.	2.6	27
62	In Situ Growth of BiOI/MoS ₂ Heterostructure as Pt Supports for Visible Light-Assisted Electrocatalytic Methanol Oxidation Reaction. Energy Technology, 2020, 8, 1900731.	1.8	7
63	Synthesis of Pt nanoparticles supported on a novel 2D bismuth tungstate/lanthanum titanate heterojunction for photoelectrocatalytic oxidation of methanol. Journal of Colloid and Interface Science, 2020, 561, 338-347.	5.0	25
64	The effect of peroxymonosulfate in WS ₂ nanosheets for the removal of diclofenac: Information exposure and degradation pathway. Chemosphere, 2020, 245, 125678.	4.2	44
65	New insight into the substituents affecting the peroxydisulfate nonradical oxidation of sulfonamides in water. Water Research, 2020, 171, 115374.	5.3	88
66	Defect in reduced graphene oxide tailored selectivity of photocatalytic CO ₂ reduction on Cs ₄ PbBr ₆ perovskite hole-in-microdisk structure. Nano Energy, 2020, 78, 105388.	8.2	64
67	Newly Found Photoactivated Pt Anchored on Three-Dimensional Layered WS ₂ /Carbon Cloth for Highly Efficient Ethylene Glycol Electro-Oxidation. Industrial & Engineering Chemistry Research, 2020, 59, 19252-19259.	1.8	24
68	Detection of pollutants in water bodies: electrochemical detection or photo-electrochemical detection?. Chemical Communications, 2020, 56, 14541-14552.	2.2	56
69	Photo-electrochemical detection of dopamine in human urine and calf serum based on MIL-101 (Cr)/carbon black. Mikrochimica Acta, 2020, 187, 526.	2.5	40
70	Two-dimensional TiO ₂ (001) nanosheets as an effective photo-assisted recyclable sensor for the electrochemical detection of bisphenol A. Chinese Chemical Letters, 2020, 31, 2839-2842.	4.8	85
71	Insight into combining visible-light photocatalysis with transformation of dual metal ions for enhancing peroxymonosulfate activation over dibismuth copper oxide. Chemical Engineering Journal, 2020, 397, 125310.	6.6	37
72	Enhanced energy efficiency for the complete mineralization of diclofenac by self-sequential ultrasound enhanced ozonation. RSC Advances, 2020, 10, 15493-15500.	1.7	3

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73	Immobilizing perovskite CsPbBr ₃ nanocrystals on Black phosphorus nanosheets for boosting charge separation and photocatalytic CO ₂ reduction. Applied Catalysis B: Environmental, 2020, 277, 119230.	10.8	132
74	Photo-assisted peroxymonosulfate activation via 2D/2D heterostructure of Ti ₃ C ₂ /g-C ₃ N ₄ for degradation of diclofenac. Chemosphere, 2020, 258, 127339.	4.2	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. Chemical Engineering Journal, 2020, 399, 125785.	6.6	50
76	Enhanced Electrocatalytic Oxidation of Methanol on Pt&Decorated Bi ₂ WO ₆ /Graphene Nanosheets with Visible Light Assistance. Energy Technology, 2020, 8, 2000210.	1.8	7
77	Insight into combining visible-light photocatalysis with transformation of dual metal ions for enhancing peroxymonosulfate activation over dibismuth copper oxide. Chemical Engineering Journal, 2020, 390, 124582.	6.6	40
78	Piezo-activation of peroxymonosulfate for benzothiazole removal in water. Journal of Hazardous Materials, 2020, 393, 122448.	6.5	102
79	Co-occurrence of and Infant Exposure to Multiple Common and Unusual Phenolic Antioxidants in Human Breast Milk. Environmental Science and Technology Letters, 2020, 7, 206-212.	3.9	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. Environment International, 2020, 136, 105462.	4.8	24
81	Synthesis of porphyrin nanodisks from COFs through mechanical stirring and their photocatalytic activity. Applied Surface Science, 2020, 513, 145720.	3.1	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. Journal of Hazardous Materials, 2020, 388, 121996.	6.5	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. Applied Surface Science, 2020, 521, 146431.	3.1	30
84	In-situ growing Bi/BiOCl microspheres on Ti ₃ C ₂ nanosheets for upgrading visible-light-driven photocatalytic activity. Applied Surface Science, 2020, 520, 146339.	3.1	72
85	Visible light-assisted peroxydisulfate activation via hollow copper tungstate spheres for removal of antibiotic sulfamethoxazole. Chinese Chemical Letters, 2020, 31, 2721-2724.	4.8	104
86	Construction of 2D/2D BiVO ₄ /g-C ₃ N ₄ nanosheet heterostructures with improved photocatalytic activity. Journal of Colloid and Interface Science, 2019, 533, 251-258.	5.0	121
87	2D Bi ₂ WO ₆ /MoS ₂ as a new photo-activated carrier for boosting electrocatalytic methanol oxidation with visible light illumination. Chinese Chemical Letters, 2019, 30, 2338-2342.	4.8	146
88	A review of graphene-based nanomaterials for removal of antibiotics from aqueous environments. Environmental Pollution, 2019, 253, 100-110.	3.7	178
89	Ultrathin Two&Dimensional Semiconductors for Photocatalysis in Energy and Environment Applications. ChemCatChem, 2019, 11, 6147-6165.	1.8	55
90	Ultrathin BiOCl/nitrogen-doped graphene quantum dots composites with strong adsorption and effective photocatalytic activity for the degradation of antibiotic ciprofloxacin. Applied Surface Science, 2019, 496, 143655.	3.1	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.	2.5	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.	10.8	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.	3.9	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.	2.1	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.	2.1	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.	2.6	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.	10.8	41
98	Synthesis and photocatalytic activity of ultrathin two-dimensional porphyrin nanodisks via covalent organic framework exfoliation. Communications Chemistry, 2019, 2, .	2.0	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.	1.8	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.	5.5	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.	1.8	16
102	Efficient Visible-Light-Driven Hydrogen Generation on g-C ₃ N ₄ Coupled with Iron Phosphide. ChemPhotoChem, 2019, 3, 540-544.	1.5	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.	5.0	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.	2.5	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.	5.2	19
106	Plasmonic hot electron transfer in anisotropic Pt@Au nanodisks boosts electrochemical reactions in the visible-NIR region. Nanoscale, 2019, 11, 18874-18880.	2.8	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.	1.8	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.	2.2	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.	2.6	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.	10.8	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.	10.8	117
112	Enhanced formic acid electrooxidation reaction enabled by 3D PtCo nanodendrites electrocatalyst. <i>Journal of Alloys and Compounds</i> , 2019, 774, 274-281.	2.8	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.	5.0	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.	1.6	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.	5.2	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.	5.0	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.	7.2	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.	1.6	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.	4.0	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.	2.2	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.	3.1	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.	5.0	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.	10.8	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.	10.8	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.	5.5	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.	5.3	21

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127	Bioactive Compound Prodigiosin in Vivo Affecting the Nutrient Metabolism of Weaned Rats. ACS Omega, 2018, 3, 17474-17480.	1.6	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.	4.8	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.	4.6	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.	2.7	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.	2.1	30
132	Facet Effects of Ag ₃ PO ₄ on Charge-Carrier Dynamics: Trade-Off Between Photocatalytic Activity and Charge-Carrier Lifetime. Chemistry - A European Journal, 2018, 24, 14928-14932.	1.7	18
133	High-performance 1D type-II TiO ₂ @ZnO core-shell nanorods arrays photoanodes for photoelectrochemical solar fuel production. Applied Surface Science, 2017, 403, 126-132.	3.1	40
134	Insights into photo-activated electrode for boosting electrocatalytic methanol oxidation based on ultrathin MoS ₂ nanosheets enwrapped CdS nanowires. International Journal of Hydrogen Energy, 2017, 42, 5006-5015.	3.8	42
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