Jin-Long Zhang

List of Publications by Year
in descending order

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281	28,868	4658	5829
papers	citations	85 h-index	161 g-index

284	284	284	25151
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Highly Dispersed Cobalt Centers on UiO-66-NH2 for Photocatalytic CO2 Reduction. Catalysis Letters, 2023, 153, 1475-1482.	2.6	6
2	â€œSmall amount for multiple timesâ€•of H2O2 feeding way in MoS2-Fex heterogeneous fenton for enhancing sulfadiazine degradation. Chinese Chemical Letters, 2022, 33, 1365-1372.	9.0	37
3	Photo-Fenton-like degradation of antibiotics by inverse opal WO3 co-catalytic Fe2+/PMS, Fe2+/H2O2 and Fe2+/PDS processes: A comparative study. Chemosphere, 2022, 288, 132627.	8.2	27
4	Efficient removal of antibiotic-resistant bacteria and intracellular antibiotic resistance genes by heterogeneous activation of peroxymonosulfate on hierarchical macro-mesoporous Co3O4-SiO2 with enhanced photogenerated charges. Journal of Hazardous Materials, 2022, 430, 127414.	12.4	27
5	Fluorinated inverse opal carbon nitride combined with vanadium pentoxide as a Z-scheme photocatalyst with enhanced photocatalytic activity. Chinese Chemical Letters, 2022, 33, 3797-3801.	9.0	8
6	Recent advances in photo-enhanced dry reforming of methane: A review. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2022, 51, 100468.	11.6	33
7	Photothermocatalytic System Designed by Facetâ€heterojunction to Enhance the Synergistic Effect of Toluene Oxidation. ChemCatChem, 2022, 14, .	3.7	3
8	MoO₃-modified SAPO-34 for photocatalytic nonoxidative coupling of methane. Catalysis Science and Technology, 2022, 12, 3322-3327.	4.1	5
9	Synthesis of nitrogen and terbium co-doped TiO₂nanocrystals with enhanced photocatalytic activity for AO7 degradation under visible-light radiation. New Journal of Chemistry, 2022, 46, 6878-6884.	2.8	1
10	Advances for CO₂ Photocatalytic Reduction in Porous Ti-Based Photocatalysts. ACS ES&T Engineering, 2022, 2, 942-956.	7.6	16
11	Facet-heterojunction-based photothermocatalyst CdS-Au-{0 1 0}BiVO4{1 1 0}-MnOx with excellent synergetic effect for toluene degradation. Chemical Engineering Journal, 2022, 442, 135835.	12.7	18
12	Au thorn-decorated TiO2 hierarchical microspheres with superior photocatalytic bactericidal activity under red and NIR light irradiation. Journal of Alloys and Compounds, 2022, 910, 164485.	5.5	5
13	High-efficiency electron tandem flow mode on carbon nitride/titanium dioxide heterojunction for visible light nitrogen photofixation. Chemical Engineering Journal, 2022, 443, 136425.	12.7	18
14	S-Scheme BiOCl/MoSe2 Heterostructure with Enhanced Photocatalytic Activity for Dyes and Antibiotics Degradation under Sunlight Irradiation. Sensors, 2022, 22, 3344.	3.8	9
15	Embedding [Mo3S13]2â^' clusters into the micropores of a covalent organic framework for enhanced stability and photocatalytic hydrogen evolution. Chemical Engineering Journal, 2022, 446, 136883.	12.7	14
16	Molybdenum oxide nanorods decorated with molybdenum phosphide quantum dots for efficient photocatalytic degradation of rhodamine B and norfloxacin. Research on Chemical Intermediates, 2022, 48, 2887-2901.	2.7	4
17	Is g-C3N4 more suitable for photocatalytic reduction or oxidation in environmental applications?. , 2022, 1, 121-125.		7
18	Recent Progress of Metal Sulfide Photocatalysts for Solar Energy Conversion. Advanced Materials, 2022, 34, .	21.0	122

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19	Selective Photocatalytic CO₂ Reduction to CH₄ on Tri-s-triazine-Based Carbon Nitride via Defects and Crystal Regulation: Synergistic Effect of Thermodynamics and Kinetics. ACS Applied Materials & Interfaces, 2022, 14, 25417-25426.	8.0	11
20	Deep insight of the influence of Cu valence states in co-catalyst on CO2 photoreduction. Applied Catalysis B: Environmental, 2022, 316, 121621.	20.2	21
21	Design of frustrated Lewis pair in defective TiO2 for photocatalytic non-oxidative methane coupling. Chem Catalysis, 2022, 2, 1775-1792.	6.1	12
22	Application of defective TiO2 inverse opal in photocatalytic non-oxidative CH4 coupling. Research on Chemical Intermediates, 2022, 48, 3247-3258.	2.7	3
23	Construction of Cu cocatalyst on TiO2 for regulating the selectivity of photocatalytic CO2 reduction. Research on Chemical Intermediates, 2022, 48, 3275-3287.	2.7	7
24	Visible Light-Driven Selective Organic Degradation by FeTiO3/Persulfate System: the Formation and Effect of High Valent Fe(IV). Applied Catalysis B: Environmental, 2021, 280, 119414.	20.2	67
25	Novel Fenton process of Co-catalyst Co9S8 quantum dots for highly efficient removal of organic pollutants. Chemosphere, 2021, 270, 128648.	8.2	30
26	Synthesis of yolk-shell Fe3O4@void@CeO2 nanoparticles and their application in SERS. Applied Surface Science, 2021, 541, 148422.	6.1	10
27	Photocatalytic non-oxidative coupling of methane: Recent progress and future. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2021, 46, 100400.	11.6	24
28	High-efficiency adsorption of tetracycline by cooperation of carbon and iron in a magnetic Fe/porous carbon hybrid with effective Fenton regeneration. Applied Surface Science, 2021, 538, 147813.	6.1	67
29	Carbon Vacancy Mediated Incorporation of Ti₃C₂ Quantum Dots in a 3D Inverse Opal g-C₃N₄ Schottky Junction Catalyst for Photocatalytic H₂O₂ Production. ACS Sustainable Chemistry and Engineering, 2021, 9, 481-488.	6.7	66
30	Graphene-Based Photo-Fenton Catalysts for Pollutant Control. Transactions of Tianjin University, 2021, 27, 110-126.	6.4	9
31	Integration of redox cocatalysts for artificial photosynthesis. Energy and Environmental Science, 2021, 14, 5260-5288.	30.8	105
32	Vacancy Engineering of Ultrathin 2D Materials for Photocatalytic CO₂Reduction. ChemNanoMat, 2021, 7, 368-379.	2.8	35
33	Unidirectional/Bidirectional Electron Transfer at the Au/TiO₂ Interface Operando Tracked by SERS Spectra from Au and TiO₂. ACS Applied Materials & Interfaces, 2021, 13, 16498-16506.	8.0	28
34	Exploring the Size Effect of Pt Nanoparticles on the Photocatalytic Nonoxidative Coupling of Methane. ACS Catalysis, 2021, 11, 3352-3360.	11.2	66
35	Nonâ€oxidative Coupling of Methane: Nâ€type Doping of Niobium Single Atoms in TiO₂â€“SiO₂ Induces Electron Localization. Angewandte Chemie, 2021, 133, 12008-12016.	2.0	13
36	Single-Atom High-Valent Fe(IV) for Promoted Photocatalytic Nitrogen Hydrogenation on Porous TiO₂-SiO₂. ACS Catalysis, 2021, 11, 4362-4371.	11.2	70

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37	Nonâ€oxidative Coupling of Methane: Nâ€type Doping of Niobium Single Atoms in TiO₂â€“SiO₂ Induces Electron Localization. Angewandte Chemie - International Edition, 2021, 60, 11901-11909.	13.8	77
38	Metalâ€“Organic Framework MIL-101(Fe) Nanoparticles Decorated with Ag Nanoparticles for Regulating the Photocatalytic Phenol Oxidation Pathway for Cr(VI) Reduction. ACS Applied Nano Materials, 2021, 4, 4513-4521.	5.0	29
39	Carbon Nitride Quantum Dots Modified TiO2 Inverse Opal Photonic Crystal for Solving Indoor VOCs Pollution. Catalysts, 2021, 11, 464.	3.5	9
40	Tuning Reaction Pathway of CO₂ Photoreduction via PtRu Bimetallic Microstructure Regulation. Journal of Physical Chemistry C, 2021, 125, 10406-10412.	3.1	10
41	Singlet oxygen triggered by robust bimetallic MoFe/TiO2 nanospheres of highly efficacy in solar-light-driven peroxymonosulfate activation for organic pollutants removal. Applied Catalysis B: Environmental, 2021, 286, 119930.	20.2	110
42	Highly efficient photocatalytic H2O2 production on coreâ€“shell CdS@CdIn2S4 heterojunction in non-sacrificial system. Research on Chemical Intermediates, 2021, 47, 3379-3393.	2.7	13
43	Constructing an Acidic Microenvironment by MoS₂ in Heterogeneous Fenton Reaction for Pollutant Control. Angewandte Chemie - International Edition, 2021, 60, 17155-17163.	13.8	237
44	Carbon nitride nanotubes with in situ grafted hydroxyl groups for highly efficient spontaneous H2O2 production. Applied Catalysis B: Environmental, 2021, 288, 119993.	20.2	102
45	Emerging Cocatalysts on gâ€C₃N₄ for Photocatalytic Hydrogen Evolution. Small, 2021, 17, e2101070.	10.0	223
46	Constructing an Acidic Microenvironment by MoS₂ in Heterogeneous Fenton Reaction for Pollutant Control. Angewandte Chemie, 2021, 133, 17292-17300.	2.0	20
47	Singleâ€Atom Pt Loaded Zinc Vacancies ZnOâ€“ZnS Induced Typeâ€V Electron Transport for Efficiency Photocatalytic H₂ Evolution. Solar Rrl, 2021, 5, 2100536.	5.8	153
48	0D/3D coupling of g-C3N4 QDs/hierarchical macro-mesoporous CuO-SiO2 for high-efficiency norfloxacin removal in photo-Fenton-like processes. Journal of Hazardous Materials, 2021, 419, 126359.	12.4	45
49	Photo-generated charges escape from P+ center through the chemical bridges between P-doped g-C3N4 and RuxP nanoparticles to enhance the photocatalytic hydrogen evolution. Catalysis Today, 2021, 380, 223-229.	4.4	10
50	Superoxide radicals dominated visible light driven peroxymonosulfate activation using molybdenum selenide (MoSe2) for boosting catalytic degradation of pharmaceuticals and personal care products. Applied Catalysis B: Environmental, 2021, 296, 120223.	20.2	78
51	Realization of all-in-one hydrogen-evolving photocatalysts via selective atomic substitution. Applied Catalysis B: Environmental, 2021, 298, 120518.	20.2	49
52	Singlet oxygen mediated Fe2+/peroxymonosulfate photo-Fenton-like reaction driven by inverse opal WO3 with enhanced photogenerated charges. Chemical Engineering Journal, 2021, 425, 128644.	12.7	31
53	Synthesis of Yolk-Shell Structured Fe3O4@Void@CdS Nanoparticles: A General and Effective Structure Design for Photo-Fenton Reaction. Nanostructure Science and Technology, 2021, , 459-478.	0.1	0
54	Platinum Single Atoms Anchored on a Covalent Organic Framework: Boosting Active Sites for Photocatalytic Hydrogen Evolution. ACS Catalysis, 2021, 11, 13266-13279.	11.2	149

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55	Graphene Oxide-Supported Three-Dimensional Cobaltâ€“Nickel Bimetallic Sponge-Mediated Peroxymonosulfate Activation for Phenol Degradation. ACS ES&T Engineering, 2021, 1, 1705-1714.	7.6	42
56	Molybdenumâ€based heterogeneous catalysts for the control of environmental pollutants. EcoMat, 2021, 3, e12155.	11.9	44
57	Fabrication of CuS-modified inverse opal g-C3N4 photocatalyst with enhanced performance of photocatalytic reduction of CO2. Journal of CO2 Utilization, 2021, 54, 101779.	6.8	10
58	Exploring the slow-light effect of Pt/TiO₂â€“SiO₂ inverse opal on photocatalytic nonoxidative coupling of methane. Chemical Communications, 2021, 57, 13000-13003.	4.1	6
59	Regeneration of zero-valent iron powder by the cocatalytic effect of WS2 in the environmental applications. Chemical Engineering Journal, 2020, 383, 123158.	12.7	36
60	0D/2D plasmonic Cu2-xS/g-C3N4 nanosheets harnessing UV-vis-NIR broad spectrum for photocatalytic degradation of antibiotic pollutant. Applied Catalysis B: Environmental, 2020, 263, 118326.	20.2	100
61	Ultrathin g-C3N4 nanosheet with hierarchical pores and desirable energy band for highly efficient H2O2 production. Applied Catalysis B: Environmental, 2020, 267, 118396.	20.2	183
62	Hollow Fe3O4/carbon with surface mesopores derived from MOFs for enhanced lithium storage performance. Science Bulletin, 2020, 65, 233-242.	9.0	58
63	Fabrication of Co3O4 and Au co-modified BiOBr flower-like microspheres with high photocatalytic efficiency for sulfadiazine degradation. Separation and Purification Technology, 2020, 234, 116100.	7.9	52
64	Facile one-pot synthesis of mesoporous g-C₃N₄nanosheets with simultaneous iodine doping and N-vacancies for efficient visible-light-driven H₂evolution performance. Catalysis Science and Technology, 2020, 10, 549-559.	4.1	39
65	KOH-Assisted Band Engineering of Polymeric Carbon Nitride for Visible Light Photocatalytic Oxygen Reduction to Hydrogen Peroxide. ACS Sustainable Chemistry and Engineering, 2020, 8, 594-603.	6.7	57
66	Facile Fabrication of Amorphous Molybdenum Oxide as a Sensitive and Stable SERS Substrate under Redox Treatment. Chemistry - A European Journal, 2020, 26, 2653-2657.	3.3	14
67	Mo0 and Mo4+ bimetallic reactive sites accelerating Fe2+/Fe3+ cycling for the activation of peroxymonosulfate with significantly improved remediation of aromatic pollutants. Chemosphere, 2020, 244, 125539.	8.2	63
68	Recent advances of doped graphite carbon nitride for photocatalytic reduction of CO2: a review. Research on Chemical Intermediates, 2020, 46, 5133-5164.	2.7	39
69	Î±â€FeOOHâˆ'MoO₃ Nanorod for Effective Photoâ€Fenton Degradation of Dyes and Antibiotics at a Wide Range of pH. Chemistry - an Asian Journal, 2020, 15, 2749-2753.	3.3	7
70	Sustainable activation of peroxymonosulfate by the Mo(IV) in MoS2 for the remediation of aromatic organic pollutants. Chinese Chemical Letters, 2020, 31, 2803-2808.	9.0	81
71	Z-scheme photo-Fenton system for efficiency synchronous oxidation of organic contaminants and reduction of metal ions. Applied Catalysis B: Environmental, 2020, 279, 119365.	20.2	97
72	Recent Progress of Photocatalytic Fenton-Like Process for Environmental Remediation. Frontiers in Environmental Chemistry, 2020, 1, .	1.6	22

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73	Cocatalytic Fenton Reaction for Pollutant Control. Cell Reports Physical Science, 2020, 1, 100149.	5.6	41
74	Prolonged electron lifetime in sulfur vacancy-rich ZnCdS nanocages by interstitial phosphorus doping for photocatalytic water reduction. Materials Chemistry Frontiers, 2020, 4, 3234-3239.	5.9	42
75	The role of oxygen defects in metal oxides for CO₂ reduction. Nanoscale Advances, 2020, 2, 4986-4995.	4.6	31
76	Improving SERS sensitivity of TiO₂ by utilizing the heterogeneity of facet-potentials. Journal of Materials Chemistry C, 2020, 8, 13836-13842.	5.5	17
77	Facet-Heterojunction-Based Z-Scheme BiVO₄{010} Microplates Decorated with AgBr-Ag Nanoparticles for the Photocatalytic Inactivation of Bacteria and the Decomposition of Organic Contaminants. ACS Applied Nano Materials, 2020, 3, 8604-8617.	5.0	33
78	Phosphorus-doped inverse opal g-C₃N₄ for efficient and selective CO generation from photocatalytic reduction of CO₂. Catalysis Science and Technology, 2020, 10, 3694-3700.	4.1	34
79	Designing 3Dâ€MoS₂Sponge as Excellent Cocatalysts in Advanced Oxidation Processes for Pollutant Control. Angewandte Chemie - International Edition, 2020, 59, 13968-13976.	13.8	316
80	Designing 3Dâ€MoS₂Sponge as Excellent Cocatalysts in Advanced Oxidation Processes for Pollutant Control. Angewandte Chemie, 2020, 132, 14072-14080.	2.0	52
81	Peroxymonosulfate activation by three-dimensional cobalt hydroxide/graphene oxide hydrogel for wastewater treatment through an automated process. Chemical Engineering Journal, 2020, 400, 125965.	12.7	54
82	g-C3N4/CoAl-LDH 2D/2D hybrid heterojunction for boosting photocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2020, 45, 21331-21340.	7.1	70
83	Efficient degradation of antibiotics in different water matrices through the photocatalysis of inverse opal K-g-C3N4: Insights into mechanism and assessment of antibacterial activity. Chemical Engineering Journal, 2020, 400, 125902.	12.7	54
84	TiO2/carbon composite nanomaterials for photocatalysis. , 2020, , 303-321.		5
85	Metallic Active Sites on MoO2(110) Surface to Catalyze Advanced Oxidation Processes for Efficient Pollutant Removal. IScience, 2020, 23, 100861.	4.1	86
86	Dopant-Induced Edge and Basal Plane Catalytic Sites on Ultrathin C₃N₄ Nanosheets for Photocatalytic Water Reduction. ACS Sustainable Chemistry and Engineering, 2020, 8, 7497-7502.	6.7	80
87	Chemisorptionâ€Induced and Plasmonâ€Promoted Photofixation of Nitrogen on Goldâ€Loaded Carbon Nitride Nanosheets. ChemSusChem, 2020, 13, 3455-3461.	6.8	22
88	Electron directed migration cooperated with thermodynamic regulation over bimetallic NiFeP/g-C3N4 for enhanced photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2019, 259, 118078.	20.2	113
89	g-C3N4 quantum dots-modified mesoporous TiO2â€“SiO2 for enhanced photocatalysis. Research on Chemical Intermediates, 2019, 45, 4237-4247.	2.7	22
90	Singlet Oxygen Triggered by Superoxide Radicals in a Molybdenum Cocatalytic Fenton Reaction with Enhanced REDOX Activity in the Environment. Environmental Science & Technology, 2019, 53, 9725-9733.	10.0	465

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91	Fabrication of 3D Sponge@AgBr-AgCl/Ag and Tubular Photoreactor for Continuous Wastewater Purification under Sunlight Irradiation. ACS Sustainable Chemistry and Engineering, 2019, 7, 14051-14063.	6.7	32
92	Formation of Highly Active Superoxide Sites on CuO Nanoclusters Encapsulated in SAPO-34 for Catalytic Selective Ammonia Oxidation. ACS Catalysis, 2019, 9, 10398-10408.	11.2	39
93	Efficient Fe(III)/Fe(II) cycling triggered by MoO2 in Fenton reaction for the degradation of dye molecules and the reduction of Cr(VI). Chinese Chemical Letters, 2019, 30, 2205-2210.	9.0	137
94	Preparation of NiCoP-decorated g-C3N4 as an efficient photocatalyst for H2O2 production. Research on Chemical Intermediates, 2019, 45, 5907-5917.	2.7	26
95	Robust Photocatalytic H₂O₂ Production over Inverse Opal g-C₃N₄ with Carbon Vacancy under Visible Light. ACS Sustainable Chemistry and Engineering, 2019, 7, 16467-16473.	6.7	110
96	Z-scheme structure SnS2â€“Auâ€“CdS with excellent photocatalytic performance for simultaneous removal of Cr(VI) and methyl orange. Research on Chemical Intermediates, 2019, 45, 3513-3524.	2.7	18
97	Z-scheme inverse opal CN/BiOBr photocatalysts for highly efficient degradation of antibiotics. Physical Chemistry Chemical Physics, 2019, 21, 12818-12825.	2.8	58
98	Research progress of photocatalysis based on highly dispersed titanium in mesoporous SiO2. Chinese Chemical Letters, 2019, 30, 853-862.	9.0	58
99	Ga-Doped and Pt-Loaded Porous TiO₂â€“SiO₂ for Photocatalytic Nonoxidative Coupling of Methane. Journal of the American Chemical Society, 2019, 141, 6592-6600.	13.7	218
100	Magnetic separation of metal sulfides/oxides by Fe3O4 at room temperature and atmospheric pressure. Rare Metals, 2019, 38, 379-389.	7.1	12
101	An inverse opal TiO₂/g-C₃N₄ composite with a heterojunction for enhanced visible light-driven photocatalytic activity. Dalton Transactions, 2019, 48, 3486-3495.	3.3	56
102	Hierarchical macro-mesoporous g-C₃N₄ with an inverse opal structure and vacancies for high-efficiency solar energy conversion and environmental remediation. Nanoscale, 2019, 11, 20638-20647.	5.6	67
103	Photo-Fenton degradation of phenol by CdS/rGO/Fe2+ at natural pH with in situ-generated H2O2. Applied Catalysis B: Environmental, 2019, 241, 367-374.	20.2	174
104	Hollow-structured Fe2O3/Au/SiO2 nanorods with enhanced and recyclable photo-Fenton oxidation for the remediation of organic pollutants. Materials Today Chemistry, 2019, 11, 86-93.	3.5	20
105	TiO2 (B) nanotubes with ultrathin shell for highly efficient photocatalytic fixation of nitrogen. Catalysis Today, 2019, 335, 214-220.	4.4	30
106	Hierarchical porous TiO2 single crystals templated from partly glassified polystyrene. Journal of Colloid and Interface Science, 2019, 538, 248-255.	9.4	6
107	Gaseous bubble-assisted in-situ construction of worm-like porous g-C3N4 with superior visible light photocatalytic performance. Applied Catalysis A: General, 2019, 573, 13-21.	4.3	24
108	Well-designed Ag/ZnO/3D graphene structure for dye removal: Adsorption, photocatalysis and physical separation capabilities. Journal of Colloid and Interface Science, 2019, 537, 66-78.	9.4	118

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109	Controllable Synthesis of Inverse Opal TiO_{2â€‹x} Photonic Crystals and Their Photoelectric Properties. Chemistry - an Asian Journal, 2019, 14, 322-327.	3.3	6
110	A structural engineering-inspired CdS based composite for photocatalytic remediation of organic pollutant and hexavalent chromium. Catalysis Today, 2019, 335, 101-109.	4.4	19
111	Fluorine doped TiO2/mesocellular foams with an efficient photocatalytic activity. Catalysis Today, 2019, 327, 340-346.	4.4	38
112	Advanced Bi2O2.7/Bi2Ti2O7 composite film with enhanced visible-light-driven activity for the degradation of organic dyes. Research on Chemical Intermediates, 2018, 44, 4609-4618.	2.7	14
113	Gold-loaded graphene oxide/PDPB composites for the synchronous removal of Cr(VI) and phenol. Chinese Journal of Catalysis, 2018, 39, 8-15.	14.0	28
114	Synthesis of cubic Ag@AgCl and Ag@AgBr plasmonic photocatalysts and comparison of their photocatalytic activity for degradation of methyl orange and 2,4-dichlorophenol. Research on Chemical Intermediates, 2018, 44, 4651-4661.	2.7	13
115	Yolk-shell structured composite for fast and selective lithium ion sieving. Journal of Colloid and Interface Science, 2018, 520, 33-40.	9.4	46
116	Recent advances in three-dimensional graphene based materials for catalysis applications. Chemical Society Reviews, 2018, 47, 2165-2216.	38.1	412
117	Enhanced photocatalytic CO2reduction to CH4over separated dual co-catalysts Au and RuO2. Nanotechnology, 2018, 29, 154005.	2.6	24
118	SERS self-monitoring of Ag-catalyzed reaction by magnetically separable mesoporous Fe 3 O 4 @Ag@mSiO 2. Microporous and Mesoporous Materials, 2018, 263, 113-119.	4.4	11
119	Modulation of the Reduction Potential of TiO_{2â€“x} by Fluorination for Efficient and Selective CH₄ Generation from CO₂ Photoreduction. Nano Letters, 2018, 18, 3384-3390.	9.1	166
120	Metal Sulfides as Excellent Co-catalysts for H2O2 Decomposition in Advanced Oxidation Processes. CheM, 2018, 4, 1359-1372.	11.7	679
121	Size-dependent activity and selectivity of carbon dioxide photocatalytic reduction over platinum nanoparticles. Nature Communications, 2018, 9, 1252.	12.8	396
122	Self-modification of g-C₃N₄ with its quantum dots for enhanced photocatalytic activity. Catalysis Science and Technology, 2018, 8, 2617-2623.	4.1	69
123	Self-modified breaking hydrogen bonds to highly crystalline graphitic carbon nitrides nanosheets for drastically enhanced hydrogen production. Applied Catalysis B: Environmental, 2018, 232, 306-313.	20.2	137
124	Photo-fenton refreshable Fe3O4@HCS adsorbent for the elimination of tetracycline hydrochloride. Research on Chemical Intermediates, 2018, 44, 1-11.	2.7	34
125	Operando SERS self-monitoring photocatalytic oxidation of aminophenol on TiO2 semiconductor. Applied Catalysis B: Environmental, 2018, 224, 305-309.	20.2	39
126	Developing stretchable and graphene-oxide-based hydrogel for the removal of organic pollutants and metal ions. Applied Catalysis B: Environmental, 2018, 222, 146-156.	20.2	231

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127	Highly efficient photo-Fenton degradation of methyl orange facilitated by slow light effect and hierarchical porous structure of Fe2O3-SiO2 photonic crystals. Applied Catalysis B: Environmental, 2018, 237, 1160-1167.	20.2	82
128	Cobalt phosphide nanocages encapsulated with graphene as ultralong cycle life anodes for reversible lithium storage. Research on Chemical Intermediates, 2018, 44, 7847-7859.	2.7	16
129	Preparation of Reduced TiO2â€“x for Photocatalysis. Lecture Notes in Quantum Chemistry II, 2018, , 75-105.	0.3	1
130	Photo-Fenton Reaction. Lecture Notes in Quantum Chemistry II, 2018, , 259-274.	0.3	1
131	Transition Metal Phosphide As Cocatalysts for Semiconductor-Based Photocatalytic Hydrogen Evolution Reaction. Lecture Notes in Quantum Chemistry II, 2018, , 375-402.	0.3	2
132	Heterogeneous Photo-Fenton Technology. Lecture Notes in Quantum Chemistry II, 2018, , 241-258.	0.3	2
133	Syntheses and Applications of Silver Halide-Based Photocatalysts. Lecture Notes in Quantum Chemistry II, 2018, , 307-343.	0.3	3
134	The Preparation and Applications of g-C3N4/TiO2 Heterojunction Catalysts. Lecture Notes in Quantum Chemistry II, 2018, , 173-196.	0.3	2
135	Enhancement of H₂O₂ Decomposition by the Co-catalytic Effect of WS₂ on the Fenton Reaction for the Synchronous Reduction of Cr(VI) and Remediation of Phenol. Environmental Science & Technology, 2018, 52, 11297-11308.	10.0	315
136	Nickel Boride Cocatalyst Boosting Efficient Photocatalytic Hydrogen Evolution Reaction. Industrial & Engineering Chemistry Research, 2018, 57, 8125-8130.	3.7	57
137	TiO2 inverse opal photonic crystals: Synthesis, modification, and applications - A review. Journal of Alloys and Compounds, 2018, 769, 740-757.	5.5	88
138	Controllable synthesis of graphitic carbon nitride nanomaterials for solar energy conversion and environmental remediation: the road travelled and the way forward. Catalysis Science and Technology, 2018, 8, 4576-4599.	4.1	99
139	Auâ€Mediated Composite In₂S₃â€“Auâ€“BiVO₄ with Enhanced Photocatalytic Activity for Organic Pollutant Degradation. ChemistrySelect, 2018, 3, 4889-4896.	1.5	14
140	Molybdenum sulfide Co-catalytic Fenton reaction for rapid and efficient inactivation of Escherichia coli. Water Research, 2018, 145, 312-320.	11.3	192
141	gâ€C₃N₄ Inverse Opals with Isotype Heterostructure for Enhanced Visibleâ€Lightâ€Driven Photocatalysis. Chemistry - an Asian Journal, 2018, 13, 3261-3267.	3.3	16
142	Photocatalysis. Lecture Notes in Quantum Chemistry II, 2018, , .	0.3	32
143	Synthesis of core-shell structured CdS@CeO 2 and CdS@TiO 2 composites and comparison of their photocatalytic activities for the selective oxidation of benzyl alcohol to benzaldehyde. Catalysis Today, 2017, 281, 181-188.	4.4	91
144	Efficient Solar Light Harvesting CdS/Co₉S₈ Hollow Cubes for Zâ€Scheme Photocatalytic Water Splitting. Angewandte Chemie - International Edition, 2017, 56, 2684-2688.	13.8	445

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145	Efficient Solar Light Harvesting CdS/Co₉S₈ Hollow Cubes for Zâ€Scheme Photocatalytic Water Splitting. Angewandte Chemie, 2017, 129, 2728-2732.	2.0	108
146	Enhanced Visible Light Photocatalytic Activity of Flowerâ€Like <scp>Bi₂WO₆</scp> Loaded with MnO_x. Chinese Journal of Chemistry, 2017, 35, 153-158.	4.9	5
147	Eco-friendly one-pot synthesis of well-adorned mesoporous g-C₃N₄ with efficiently enhanced visible light photocatalytic activity. Catalysis Science and Technology, 2017, 7, 1726-1734.	4.1	111
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