

# Xiangchao Meng

## List of Publications by Year in descending order

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131  
papers

6,409  
citations

66343

42  
h-index

74163

75  
g-index

131  
all docs

131  
docs citations

131  
times ranked

7155  
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-assembly synthesis of phosphorus-doped tubular g-C <sub>3</sub> N <sub>4</sub> /Ti <sub>3</sub> C <sub>2</sub> MXene Schottky junction for boosting photocatalytic hydrogen evolution. <i>Green Energy and Environment</i> , 2023, 8, 233-245.	8.7	31
2	Vacancy-engineered bismuth-based semiconductor with enhanced photocatalytic activity: A review. <i>Materials Science in Semiconductor Processing</i> , 2022, 137, 106230.	4.0	22
3	Rational design of an Allyl-rich Triazine-based covalent organic framework host used as efficient cathode materials for Li-S batteries. <i>Chemical Engineering Journal</i> , 2022, 429, 132254.	12.7	29
4	Selective reduction of nitrate into N <sub>2</sub> by novel Z-scheme NH <sub>2</sub> -MIL-101(Fe)/BiVO <sub>4</sub> heterojunction with enhanced photocatalytic activity. <i>Journal of Hazardous Materials</i> , 2022, 424, 127711.	12.4	45
5	MgCo layered double hydroxide-based yolk shell polyhedrons as multifunctional sulfur mediator for lithium-sulfur batteries. <i>Nanotechnology</i> , 2022, 33, 115405.	2.6	6
6	Recent advances on silver-based photocatalysis: Photocorrosion inhibition, visible-light responsivity enhancement, and charges separation acceleration. <i>Separation and Purification Technology</i> , 2022, 283, 120194.	7.9	21
7	Bismuth chromate (Cr <sub>2</sub> Bi <sub>3</sub> O <sub>11</sub> ): a new bismuth-based semiconductor with excellent photocatalytic activity. <i>Chemical Communications</i> , 2022, 58, 2014-2017.	4.1	11
8	<i>In situ</i> synthesis of N-doped TiO <sub>2</sub> on Ti <sub>3</sub> C <sub>2</sub> MXene with enhanced photocatalytic activity in the selective reduction of nitrate to N <sub>2</sub> . <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 1195-1207.	6.0	11
9	Coordinated Co-NC/CoFe dual active centre embedded three-dimensional ordered macroporous framework as bifunctional catalyst for efficient and stable zinc-air batteries. <i>Nanotechnology</i> , 2022, 33, 155404.	2.6	1
10	Enhanced Electroconversion CO <sub>2</sub> to Formate by Oxygen-Vacancy-Rich Ultrasmall Bi-Based Catalyst Over a Wide Potential Window. <i>ChemCatChem</i> , 2022, 14, .	3.7	7
11	Phase Transition in Cobalt Selenide with a Greatly Improved Electrocatalytic Activity in Hydrogen Evolution Reactions. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 4022-4030.	6.7	33
12	Highly Selective Photocatalytic Reduction of CO <sub>2</sub> to CO Over Ru-Modified Bi <sub>2</sub> MoO <sub>6</sub> . <i>Solar Rrl</i> , 2022, 6, .	5.8	18
13	Accelerating transfer of photogenerated charge carriers by loading PtOx on Cr <sub>2</sub> Bi <sub>3</sub> O <sub>11</sub> nanorods to enhance photocatalytic activity in water detoxification and splitting. <i>Applied Surface Science</i> , 2022, , 153643.	6.1	4
14	Fabrication of Monopile Polymer Foams via Rotating Gas Foaming: Hybrid Applications in Solar-Powered Interfacial Evaporation and Water Remediation. <i>Solar Rrl</i> , 2022, 6, .	5.8	14
15	Recent advances in transition metal selenides-based electrocatalysts: Rational design and applications in water splitting. <i>Journal of Alloys and Compounds</i> , 2022, 918, 165719.	5.5	45
16	A novel bismuth hydroxide (Bi(OH) <sub>3</sub> ) semiconductor with highly-efficient photocatalytic activity. <i>Chemical Communications</i> , 2022, 58, 8198-8201.	4.1	10
17	Photocatalytic Reduction of CO <sub>2</sub> on a Bi <sub>2</sub> MoO <sub>6</sub> /W <sub>18</sub> O <sub>48</sub> Solid Solution with Enhanced Activity. <i>Inorganic Chemistry</i> , 2022, 61, 9405-9412.	4.0	6
18	Investigation of Photo(electro)catalytic water splitting to evolve H <sub>2</sub> on Pt-g-C <sub>3</sub> N <sub>4</sub> nanosheets. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 28007-28018.	7.1	15

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19	Oxygen vacancy modified Bi <sub>2</sub> MoO <sub>6</sub> /WO <sub>3</sub> electrode with enhanced photoelectrocatalytic degradation activity toward RhB. <i>Fuel</i> , 2021, 285, 119171.	6.4	30
20	Rational design of Co nano-dots embedded three-dimensional graphene gel as multifunctional sulfur cathode for fast sulfur conversion kinetics. <i>Journal of Energy Chemistry</i> , 2021, 56, 132-140.	12.9	25
21	Photocatalytic nitrogen fixation: Oxygen vacancy modified novel micro-nanosheet structure Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> with band gap engineering. <i>Journal of Colloid and Interface Science</i> , 2021, 583, 499-509.	9.4	87
22	Promoted lithium polysulfide conversion and immobilization by conductive titanium oxynitride-carbon architecture design for advanced lithium-sulfur batteries. <i>Nanoscale</i> , 2021, 13, 17929-17938.	5.6	4
23	Recent advances on electrocatalytic and photocatalytic seawater splitting for hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 9087-9100.	7.1	85
24	Performance and mechanism of the separation of C <sub>8</sub> olefin from F&T synthesis products using novel Ag&DES. <i>AIChE Journal</i> , 2021, 67, e17252.	3.6	13
25	Efficient Synthesis of Isobutylene Dimerization by Catalytic Distillation with Advanced Heat-Integrated Technology. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 6121-6136.	3.7	5
26	Nitrogen Vacancy-Induced Deposition of Pd Nanoparticles onto g-C <sub>3</sub> N <sub>4</sub> with Greatly Improved Photocatalytic Activity in H <sub>2</sub> Evolution. <i>Solar Rrl</i> , 2021, 5, 2100145.	5.8	22
27	Recent Advances of Photocatalytic Application in Water Treatment: A Review. <i>Nanomaterials</i> , 2021, 11, 1804.	4.1	192
28	Photocatalysis for Heavy Metal Treatment: A Review. <i>Processes</i> , 2021, 9, 1729.	2.8	41
29	Layered Ti <sub>3</sub> C <sub>2</sub> MXene and silver co-modified g-C <sub>3</sub> N <sub>4</sub> with enhanced visible light-driven photocatalytic activity. <i>Chemical Engineering Journal</i> , 2021, 425, 131493.	12.7	67
30	Interfacial charge transfer and enhanced photocatalytic mechanisms for Pt nanoparticles loaded onto sulfur-doped g-C <sub>3</sub> N <sub>4</sub> in H <sub>2</sub> evolution. <i>Materials Today Energy</i> , 2021, 22, 100881.	4.7	9
31	Modulating the Electronic Properties of MoS <sub>2</sub> Nanosheets for Electrochemical Hydrogen Production: A Review. <i>ACS Applied Nano Materials</i> , 2021, 4, 11413-11427.	5.0	24
32	2D/2D BiOBr/Ti <sub>3</sub> C <sub>2</sub> heterojunction with dual applications in both water detoxification and water splitting. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 386, 112099.	3.9	54
33	The engineering of surface plasmon resonance and up-conversion to improve the photocatalytic performance of MIL-53(Fe) over the full solar spectrum. <i>Journal of Materials Science</i> , 2020, 55, 997-1011.	3.7	11
34	Na <sub>4</sub> Mn <sub>9</sub> O <sub>18</sub> nanowires wrapped by reduced graphene oxide as efficient sulfur host material for lithium/sulfur batteries. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 111-119.	2.5	15
35	Bismuth chromate (Bi <sub>2</sub> CrO <sub>6</sub> ): A promising semiconductor in photocatalysis. <i>Journal of Catalysis</i> , 2020, 382, 40-48.	6.2	57
36	Photocatalytic Applications of Two-Dimensional Ti <sub>3</sub> C <sub>2</sub> MXenes: A Review. <i>ACS Applied Nano Materials</i> , 2020, 3, 9581-9603.	5.0	142

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37	In-situ construction of ternary Ti <sub>3</sub> C <sub>2</sub> MXene@TiO <sub>2</sub> /ZnIn <sub>2</sub> S <sub>4</sub> composites for highly efficient photocatalytic hydrogen evolution. Journal of Colloid and Interface Science, 2020, 580, 669-680.	9.4	139
38	Recent development on BN-based photocatalysis: A review. Materials Science in Semiconductor Processing, 2020, 120, 105256.	4.0	36
39	Modified graphitic carbon nitride as the photocatalyst for wastewater treatment under visible light irradiation. Fuel, 2020, 280, 118544.	6.4	19
40	New insight into reactive oxidation species (ROS) for bismuth-based photocatalysis in phenol removal. Journal of Hazardous Materials, 2020, 399, 122939.	12.4	23
41	Solar photocatalysis for environmental remediation. , 2020, , 183-195.		7
42	Enhanced photocatalytic degradation of organic pollutants using carbon nanotube mediated CuO and Bi <sub>2</sub> WO <sub>6</sub> sandwich flaky structures. Nanotechnology, 2020, 31, 425202.	2.6	12
43	Recent development on palladium enhanced photocatalytic activity: A review. Journal of Alloys and Compounds, 2020, 830, 154669.	5.5	47
44	Photocatalytic Reforming for Hydrogen Evolution: A Review. Catalysts, 2020, 10, 335.	3.5	41
45	Surface oxygen vacancy modified Bi <sub>2</sub> MoO <sub>6</sub> /MIL-88B(Fe) heterostructure with enhanced spatial charge separation at the bulk & interface. Applied Catalysis B: Environmental, 2020, 268, 118740.	20.2	173
46	Oxygen-deficient titanium dioxide supported cobalt nano-dots as efficient cathode material for lithium-sulfur batteries. Journal of Energy Chemistry, 2020, 48, 390-397.	12.9	22
47	High photocatalytic activity of 2D sheet structure ZnO/Bi <sub>2</sub> WO <sub>6</sub> Z-scheme heterojunction under simulated sunlight. Journal Physics D: Applied Physics, 2020, 53, 165101.	2.8	18
48	TiO <sub>2</sub> nanorod arrays decorated by nitrogen-doped carbon and g-C <sub>3</sub> N <sub>4</sub> with enhanced photoelectrocatalytic activity. Applied Surface Science, 2020, 518, 146219.	6.1	43
49	Fabrication of oxygen-vacancy-rich black-BiOBr/BiOBr heterojunction with enhanced photocatalytic activity. Journal of Materials Science, 2020, 55, 10785-10795.	3.7	21
50	Catalytic hydrolysis of alkaline sodium borohydride solution for hydrogen evolution in a micro-scale fluidized bed reactor. International Journal of Energy Research, 2020, 44, 6758-6766.	4.5	5
51	Preparation of Carbon-Silicon Doping Composite Adsorbent Material for Removal of VOCs. Materials, 2019, 12, 2438.	2.9	16
52	Preparation of Efficient Carbon-Based Adsorption Material Using Asphaltenes from Asphalt Rocks. Industrial & Engineering Chemistry Research, 2019, 58, 14785-14794.	3.7	13
53	Photocatalytic oxidation of methanol to formaldehyde on bismuth-based semiconductors. Journal of Hazardous Materials, 2019, 380, 120822.	12.4	35
54	Fabrication of surface hydroxyl modified g-C <sub>3</sub> N <sub>4</sub> with enhanced photocatalytic oxidation activity. Catalysis Science and Technology, 2019, 9, 3979-3993.	4.1	51

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55	Hydrogen evolution reaction mechanism on 2H-MoS <sub>2</sub> electrocatalyst. <i>Applied Surface Science</i> , 2019, 498, 143869.	6.1	65
56	A 3D ordered hierarchically porous non-carbon electrode for highly effective and efficient capacitive deionization. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15633-15639.	10.3	43
57	Editorial for special issue of biorefinery. <i>Biotechnology Advances</i> , 2019, 37, 507.	11.7	4
58	Novel Synthesis of Choline-Based Amino Acid Ionic Liquids and Their Applications for Separating Asphalt from Carbonate Rocks. <i>Nanomaterials</i> , 2019, 9, 504.	4.1	23
59	Fewer-layer BN nanosheets-deposited on Bi <sub>2</sub> MoO <sub>6</sub> microspheres with enhanced visible light-driven photocatalytic activity. <i>Applied Surface Science</i> , 2019, 483, 572-580.	6.1	45
60	Measurement and Correlation of Solubility of Calcium Formate (Form H <sup>±</sup> ) in Different Binary Solvent Mixtures at Temperatures from 283.15 to 323.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 2475-2483.	1.9	6
61	Recent advances in computational photocatalysis: A review. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 1982-1998.	1.7	45
62	Experimental analysis of a photoreactor packed with Pd@BiVO <sub>4</sub> -Coated glass beads. <i>AIChE Journal</i> , 2019, 65, 132-139.	3.6	11
63	Phosphorus removal and recovery from water with macroporous bead adsorbent constituted of alginate-Zr <sup>4+</sup> and PNIPAM-interpenetrated networks. <i>International Journal of Biological Macromolecules</i> , 2019, 126, 1133-1144.	7.5	65
64	Equilibrium and kinetic modelling of adsorption of Rhodamine B on MoS <sub>2</sub> . <i>Materials Research Bulletin</i> , 2019, 111, 238-244.	5.2	44
65	An Effective Approach to Improve the Photocatalytic Activity of Graphitic Carbon Nitride via Hydroxyl Surface Modification. <i>Catalysts</i> , 2019, 9, 17.	3.5	15
66	Hexagonal SnS nanoplates assembled onto hierarchical Bi <sub>2</sub> WO <sub>6</sub> with enhanced photocatalytic activity in detoxification and disinfection. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 345-357.	9.4	35
67	Recent advances on production of 2, 3-butanediol using engineered microbes. <i>Biotechnology Advances</i> , 2019, 37, 569-578.	11.7	44
68	Palladium nanoparticles and rGO co-modified BiVO <sub>4</sub> with greatly improved visible light-induced photocatalytic activity. <i>Chemosphere</i> , 2018, 198, 1-12.	8.2	45
69	Recent development on MoS <sub>2</sub> -based photocatalysis: A review. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2018, 35, 39-55.	11.6	404
70	Production of (2R, 3R)-2,3-butanediol using engineered <i>Pichia pastoris</i> : strain construction, characterization and fermentation. <i>Biotechnology for Biofuels</i> , 2018, 11, 35.	6.2	43
71	Synthesis and application of hydrophilically-modified Fe <sub>3</sub> O <sub>4</sub> nanoparticles in oil sands separation. <i>RSC Advances</i> , 2018, 8, 15813-15824.	3.6	11
72	Two dimensional graphitic materials for photoelectrocatalysis: A short review. <i>Catalysis Today</i> , 2018, 315, 2-8.	4.4	50

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73	Few-layer MoS <sub>2</sub> nanosheets-deposited on Bi <sub>2</sub> MoO <sub>6</sub> microspheres: A Z-scheme visible-light photocatalyst with enhanced activity. <i>Catalysis Today</i> , 2018, 315, 67-78.	4.4	74
74	Highly efficient degradation of phenol over a Pd-BiOBr Mottâ€“Schottky plasmonic photocatalyst. <i>Materials Research Bulletin</i> , 2018, 99, 471-478.	5.2	51
75	New insight into the enhanced visible light-driven photocatalytic activity of Pd/PdCl <sub>2</sub> -doped Bi <sub>2</sub> WO <sub>6</sub> photocatalysts. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 877-890.	9.4	44
76	Engineering strategies for enhanced production of protein and bio-products in <i>Pichia pastoris</i> : A review. <i>Biotechnology Advances</i> , 2018, 36, 182-195.	11.7	264
77	Highly Efficient Removal of Suspended Solid Pollutants from Wastewater by Magnetic Fe <sub>3</sub> O <sub>4</sub> â€“Graphene Oxides Nanocomposite. <i>ChemistrySelect</i> , 2018, 3, 11643-11648.	1.5	4
78	Enhanced Photocatalytic Activity toward Organic Pollutants Degradation and Mechanism Insight of Novel CQDs/Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> Composite. <i>Nanomaterials</i> , 2018, 8, 330.	4.1	19
79	Synthesis and characterization of a coreâ€“shell BiVO <sub>4</sub> @g-C <sub>3</sub> N <sub>4</sub> photo-catalyst with enhanced photocatalytic activity under visible light irradiation. <i>RSC Advances</i> , 2017, 7, 8167-8177.	3.6	97
80	Alleviation of oxygen stress on <i>Neochloris oleoabundans</i> : effects of bicarbonate and pH. <i>Journal of Applied Phycology</i> , 2017, 29, 143-152.	2.8	23
81	Cu <sub>2</sub> O NPs/Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> flower-like complex photocatalysts with enhanced visible light photocatalytic degradation of organic pollutants. <i>Catalysis Today</i> , 2017, 297, 237-245.	4.4	38
82	MoS <sub>2</sub> quantum dots-interspersed Bi <sub>2</sub> WO <sub>6</sub> heterostructures for visible light-induced detoxification and disinfection. <i>Applied Catalysis B: Environmental</i> , 2017, 210, 160-172.	20.2	177
83	Codon-optimized expression and characterization of a pH stable fungal xylanase in <i>Pichia pastoris</i> . <i>Process Biochemistry</i> , 2017, 53, 80-87.	3.7	14
84	Plasmonic Z-scheme Ag <sub>2</sub> O-Bi <sub>2</sub> MoO <sub>6</sub> p-n heterojunction photocatalysts with greatly enhanced visible-light responsive activities. <i>Materials Letters</i> , 2017, 189, 267-270.	2.6	31
85	Pd-nanoparticle-decorated peanut-shaped BiVO <sub>4</sub> with improved visible light-driven photocatalytic activity comparable to that of TiO <sub>2</sub> under UV light. <i>Journal of Catalysis</i> , 2017, 356, 53-64.	6.2	73
86	Macropore- and Micropore-Dominated Carbon Derived from Poly(vinyl alcohol) and Polyvinylpyrrolidone for Supercapacitor and Capacitive Deionization. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 11324-11333.	6.7	61
87	A comparison of graphitic carbon nitrides synthesized from different precursors through pyrolysis. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 332, 32-44.	3.9	124
88	Synthesis and characterization of plasmonic and magnetically separable Ag/AgCl-Bi <sub>2</sub> WO <sub>6</sub> @Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> core-shell composites for visible light-induced water detoxification. <i>Journal of Colloid and Interface Science</i> , 2017, 485, 296-307.	9.4	35
89	Metal free and efficient photoelectrocatalytic removal of organic contaminants over g-C <sub>3</sub> N <sub>4</sub> nanosheet films decorated with carbon quantum dots. <i>RSC Advances</i> , 2017, 7, 56335-56343.	3.6	38
90	Enhanced Visible Light Photocatalytic Degradation of Organic Pollutants over Flower-Like Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> Dotted with Ag@AgBr. <i>Materials</i> , 2016, 9, 882.	2.9	7

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91	Oil-in-Water Self-Assembled Synthesis of Ag@AgCl Nano-Particles on Flower-like Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> with Enhanced Visible-Light-Driven Photocatalytic Activity. <i>Materials</i> , 2016, 9, 486.	2.9	11
92	Preparation of Hierarchical BiOBr Microspheres for Visible Light-Induced Photocatalytic Detoxification and Disinfection. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-10.	2.7	33
93	Synthesis and Characterization of Graphene Oxide-Modified Bi <sub>2</sub> WO <sub>6</sub> and Its Use as Photocatalyst. <i>International Journal of Photoenergy</i> , 2016, 2016, 1-8.	2.5	12
94	Cultivation of freshwater green alga <i>Neochloris oleoabundans</i> in non-sterile media co-inoculated with protozoa. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 439-445.	1.7	8
95	Facile preparation of novel graphene oxide-modified Ag <sub>2</sub> O/Ag <sub>3</sub> VO <sub>4</sub> /AgVO <sub>3</sub> composites with high photocatalytic activities under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2016, 196, 1-15.	20.2	69
96	Bismuth-based photocatalytic semiconductors: Introduction, challenges and possible approaches. <i>Journal of Molecular Catalysis A</i> , 2016, 423, 533-549.	4.8	446
97	Surface hydroxylation of graphitic carbon nitride: Enhanced visible light photocatalytic activity. <i>Materials Research Bulletin</i> , 2016, 84, 46-56.	5.2	38
98	Screening of Alternative Carbon Sources for Recombinant Protein Production in <i>Pichia pastoris</i> . <i>International Journal of Chemical Reactor Engineering</i> , 2016, 14, 251-257.	1.1	8
99	Cultivation of <i>Neochloris oleoabundans</i> in bubble column photobioreactor with or without localized deoxygenation. <i>Bioresource Technology</i> , 2016, 206, 255-263.	9.6	28
100	Ag <sub>2</sub> O/Ag <sub>3</sub> VO <sub>4</sub> /Ag <sub>4</sub> V <sub>2</sub> O <sub>7</sub> heterogeneous photocatalyst prepared by a facile hydrothermal synthesis with enhanced photocatalytic performance under visible light irradiation. <i>Materials Research Bulletin</i> , 2016, 74, 140-150.	5.2	40
101	Synthesis, Analysis, and Testing of BiOBr-Bi <sub>2</sub> WO <sub>6</sub> Photocatalytic Heterojunction Semiconductors. <i>International Journal of Photoenergy</i> , 2015, 2015, 1-12.	2.5	27
102	Synthesis and Optimization of Visible Light Active BiVO <sub>4</sub> Photocatalysts for the Degradation of RhB. <i>International Journal of Photoenergy</i> , 2015, 2015, 1-14.	2.5	33
103	Enhanced Photocatalytic Activity of BiOBr/ZnO Heterojunction Semiconductors Prepared by Facile Hydrothermal Method. <i>International Journal of Photoenergy</i> , 2015, 2015, 1-9.	2.5	20
104	Facile synthesis of BiOBr/Bi <sub>2</sub> WO <sub>6</sub> heterojunction semiconductors with high visible-light-driven photocatalytic activity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015, 310, 33-44.	3.9	143
105	Control of protozoa contamination and lipid accumulation in <i>Neochloris oleoabundans</i> culture: Effects of pH and dissolved inorganic carbon. <i>Bioresource Technology</i> , 2015, 197, 143-151.	9.6	58
106	Microwave-assisted synthesis of a superfine Ag/AgI photocatalyst with high activity and excellent durability. <i>Journal of Materials Science</i> , 2015, 50, 6935-6946.	3.7	12
107	Statistical Medium Optimization for the Increased Production of Recombinant Phytase in the Fed-Batch Cultivation of <i>Pichia pastoris</i> . <i>International Journal of Chemical Reactor Engineering</i> , 2015, 13, 427-435.	1.1	4
108	Synthesis and characterization of Ag/AgCl-activated carbon composites for enhanced visible light photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2014, 144, 702-712.	20.2	126



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109	Antimicrobial and photocatalytic disinfection mechanisms in silver-modified photocatalysts under dark and light conditions. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2014, 19, 62-75.	11.6	140
110	Synthesis and characterization of magnetically separable Ag/AgCl@“magnetic activated carbon composites for visible light induced photocatalytic detoxification and disinfection. <i>Applied Catalysis B: Environmental</i> , 2014, 160-161, 267-278.	20.2	38
111	Rotating corrugated photoreactor design: Experimental and computational analysis of $\text{TiO}_2$ -based photocatalysis. <i>AIChE Journal</i> , 2013, 59, 560-570.	3.6	13
112	Potential of water hyacinth for phytoremediation in low temperature environment. <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 976-981.	2.3	3
113	Graphene-wrapped hierarchical $\text{TiO}_2$ nanoflower composites with enhanced photocatalytic performance. <i>Journal of Materials Chemistry A</i> , 2013, 1, 12255.	10.3	220
114	Visible-light-driven inactivation of <i>Escherichia coli</i> K-12 using an Ag/AgCl@“activated carbon composite photocatalyst. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 267, 25-34.	3.9	36
115	Evolution, detrimental effects, and removal of oxygen in microalga cultures: A review. <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 982-988.	2.3	50
116	Production of Energy and Activated Carbon from Agri-Residue: Sunflower Seed Example. <i>Applied Biochemistry and Biotechnology</i> , 2012, 168, 154-162.	2.9	4
117	UV absorption by $\text{TiO}_2$ films in photocatalytic reactors: Effect of fold curvature. <i>AIChE Journal</i> , 2012, 58, 1578-1587.	3.6	5
118	Advancements and future directions in enzyme technology for biomass conversion. <i>Biotechnology Advances</i> , 2012, 30, 913-919.	11.7	96
119	Coupled Transport Phenomena in Corrugated Photocatalytic Reactors. <i>Chinese Journal of Chemical Engineering</i> , 2011, 19, 763-772.	3.5	3
120	Short communication: acidity of Ni-W catalyst supported on zirconium doped mesoporous SBA-15. <i>Journal of Porous Materials</i> , 2011, 18, 651-654.	2.6	2
121	Separation of taxanes from <i>Taxus canadensis</i> using dynamic pressurized liquid extraction. <i>Biotechnology and Bioprocess Engineering</i> , 2011, 16, 769-776.	2.6	4
122	Strategies for high-level recombinant protein expression in transgenic microalgae: A review. <i>Biotechnology Advances</i> , 2010, 28, 910-918.	11.7	150
123	Applications of Photocatalytic Disinfection. <i>International Journal of Photoenergy</i> , 2010, 2010, 1-11.	2.5	146
124	Design and Characterization of a Novel Rotating Corrugated Drum Reactor for Wastewater Treatment. <i>International Journal of Photoenergy</i> , 2010, 2010, 1-10.	2.5	18
125	Comparison of experimental designs using neural networks. <i>Canadian Journal of Chemical Engineering</i> , 2009, 87, 965-971.	1.7	9
126	HDS, HDN, HDA, and hydrocracking of model compounds over Mo-Ni catalysts with various acidities. <i>Applied Catalysis A: General</i> , 2007, 319, 25-37.	4.3	75



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127	Synthesis of 3-dimensional mesoporous silica using a di-block copolymer template. Journal of Materials Science, 2007, 42, 4461-4469.	3.7	2
128	Effect of Aromatics on Deep Hydrodesulfurization of Dibenzothiophene and 4,6-Dimethyldibenzothiophene over NiMo/Al <sub>2</sub> O <sub>3</sub> Catalyst. Energy & Fuels, 2006, 20, 2344-2349.	5.1	55
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