

Xiangchao Meng

List of Publications by Year in descending order

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131
papers

6,409
citations

76031

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84171

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131
all docs

131
docs citations

131
times ranked

8054
citing authors

#	ARTICLE	IF	CITATIONS
1	Bismuth-based photocatalytic semiconductors: Introduction, challenges and possible approaches. <i>Journal of Molecular Catalysis A</i> , 2016, 423, 533-549.	4.8	446
2	Recent development on MoS ₂ -based photocatalysis: A review. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2018, 35, 39-55.	5.6	404
3	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.	6.0	264
4	Graphene-wrapped hierarchical TiO ₂ nanoflower composites with enhanced photocatalytic performance. <i>Journal of Materials Chemistry A</i> , 2013, 1, 12255.	5.2	220
5	Recent Advances of Photocatalytic Application in Water Treatment: A Review. <i>Nanomaterials</i> , 2021, 11, 1804.	1.9	192
6	MoS ₂ quantum dots-interspersed Bi ₂ WO ₆ heterostructures for visible light-induced detoxification and disinfection. <i>Applied Catalysis B: Environmental</i> , 2017, 210, 160-172.	10.8	177
7	Surface oxygen vacancy modified Bi ₂ MoO ₆ /MIL-88B(Fe) heterostructure with enhanced spatial charge separation at the bulk & interface. <i>Applied Catalysis B: Environmental</i> , 2020, 268, 118740.	10.8	173
8	Strategies for high-level recombinant protein expression in transgenic microalgae: A review. <i>Biotechnology Advances</i> , 2010, 28, 910-918.	6.0	150
9	Applications of Photocatalytic Disinfection. <i>International Journal of Photoenergy</i> , 2010, 2010, 1-11.	1.4	146
10	Facile synthesis of BiOBr/Bi ₂ WO ₆ heterojunction semiconductors with high visible-light-driven photocatalytic activity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015, 310, 33-44.	2.0	143
11	Photocatalytic Applications of Two-Dimensional Ti ₃ C ₂ MXenes: A Review. <i>ACS Applied Nano Materials</i> , 2020, 3, 9581-9603.	2.4	142
12	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.	5.6	140
13	In-situ construction of ternary Ti ₃ C ₂ MXene@TiO ₂ /ZnIn ₂ S ₄ composites for highly efficient photocatalytic hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2020, 580, 669-680.	5.0	139
14	Synthesis and characterization of Ag/AgCl@activated carbon composites for enhanced visible light photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2014, 144, 702-712.	10.8	126
15	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.	2.0	124
16	Synthesis and characterization of a core-shell BiVO ₄ @g-C ₃ N ₄ photo-catalyst with enhanced photocatalytic activity under visible light irradiation. <i>RSC Advances</i> , 2017, 7, 8167-8177.	1.7	97
17	Advancements and future directions in enzyme technology for biomass conversion. <i>Biotechnology Advances</i> , 2012, 30, 913-919.	6.0	96
18	Photocatalytic nitrogen fixation: Oxygen vacancy modified novel micro-nanosheet structure Bi ₂ O ₂ CO ₃ with band gap engineering. <i>Journal of Colloid and Interface Science</i> , 2021, 583, 499-509.	5.0	87

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19	Recent advances on electrocatalytic and photocatalytic seawater splitting for hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 9087-9100.	3.8	85
20	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.	2.2	75
21	Few-layer MoS ₂ nanosheets-deposited on Bi ₂ MoO ₆ microspheres: A Z-scheme visible-light photocatalyst with enhanced activity. <i>Catalysis Today</i> , 2018, 315, 67-78.	2.2	74
22	Pd-nanoparticle-decorated peanut-shaped BiVO ₄ with improved visible light-driven photocatalytic activity comparable to that of TiO ₂ under UV light. <i>Journal of Catalysis</i> , 2017, 356, 53-64.	3.1	73
23	Facile preparation of novel graphene oxide-modified Ag ₂ O/Ag ₃ VO ₄ /AgVO ₃ composites with high photocatalytic activities under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2016, 196, 1-15.	10.8	69
24	Layered Ti ₃ C ₂ MXene and silver co-modified g-C ₃ N ₄ with enhanced visible light-driven photocatalytic activity. <i>Chemical Engineering Journal</i> , 2021, 425, 131493.	6.6	67
25	Effect of fluorine and boron modification on the HDS, HDN and HDA activity of hydrotreating catalysts. <i>Applied Catalysis A: General</i> , 2006, 301, 241-250.	2.2	66
26	Hydrogen evolution reaction mechanism on 2H-MoS ₂ electrocatalyst. <i>Applied Surface Science</i> , 2019, 498, 143869.	3.1	65
27	Phosphorus removal and recovery from water with macroporous bead adsorbent constituted of alginate-Zr ⁴⁺ and PNIPAM-interpenetrated networks. <i>International Journal of Biological Macromolecules</i> , 2019, 126, 1133-1144.	3.6	65
28	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.	3.2	61
29	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.	4.8	58
30	Bismuth chromate (Bi ₂ CrO ₆): A promising semiconductor in photocatalysis. <i>Journal of Catalysis</i> , 2020, 382, 40-48.	3.1	57
31	Effect of Aromatics on Deep Hydrodesulfurization of Dibenzothiophene and 4,6-Dimethyldibenzothiophene over NiMo/Al ₂ O ₃ Catalyst. <i>Energy & Fuels</i> , 2006, 20, 2344-2349.	2.5	55
32	2D/2D BiOBr/Ti ₃ C ₂ heterojunction with dual applications in both water detoxification and water splitting. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 386, 112099.	2.0	54
33	Highly efficient degradation of phenol over a Pd-BiOBr Mott-Schottky plasmonic photocatalyst. <i>Materials Research Bulletin</i> , 2018, 99, 471-478.	2.7	51
34	Fabrication of surface hydroxyl modified g-C ₃ N ₄ with enhanced photocatalytic oxidation activity. <i>Catalysis Science and Technology</i> , 2019, 9, 3979-3993.	2.1	51
35	Evolution, detrimental effects, and removal of oxygen in microalga cultures: A review. <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 982-988.	1.3	50
36	Two dimensional graphitic materials for photoelectrocatalysis: A short review. <i>Catalysis Today</i> , 2018, 315, 2-8.	2.2	50

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37	Recent development on palladium enhanced photocatalytic activity: A review. <i>Journal of Alloys and Compounds</i> , 2020, 830, 154669.	2.8	47
38	Palladium nanoparticles and rGO co-modified BiVO ₄ with greatly improved visible light-induced photocatalytic activity. <i>Chemosphere</i> , 2018, 198, 1-12.	4.2	45
39	Fewer-layer BN nanosheets-deposited on Bi ₂ MoO ₆ microspheres with enhanced visible light-driven photocatalytic activity. <i>Applied Surface Science</i> , 2019, 483, 572-580.	3.1	45
40	Recent advances in computational photocatalysis: A review. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 1982-1998.	0.9	45
41	Selective reduction of nitrate into N ₂ by novel Z-scheme NH ₂ -MIL-101(Fe)/BiVO ₄ heterojunction with enhanced photocatalytic activity. <i>Journal of Hazardous Materials</i> , 2022, 424, 127711.	6.5	45
42	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.	2.8	45
43	New insight into the enhanced visible light-driven photocatalytic activity of Pd/PdCl ₂ -doped Bi ₂ WO ₆ photocatalysts. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 877-890.	5.0	44
44	Equilibrium and kinetic modelling of adsorption of Rhodamine B on MoS ₂ . <i>Materials Research Bulletin</i> , 2019, 111, 238-244.	2.7	44
45	Recent advances on production of 2, 3-butanediol using engineered microbes. <i>Biotechnology Advances</i> , 2019, 37, 569-578.	6.0	44
46	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
47	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.	5.2	43
48	TiO ₂ nanorod arrays decorated by nitrogen-doped carbon and g-C ₃ N ₄ with enhanced photoelectrocatalytic activity. <i>Applied Surface Science</i> , 2020, 518, 146219.	3.1	43
49	Photocatalytic Reforming for Hydrogen Evolution: A Review. <i>Catalysts</i> , 2020, 10, 335.	1.6	41
50	Photocatalysis for Heavy Metal Treatment: A Review. <i>Processes</i> , 2021, 9, 1729.	1.3	41
51	Ag ₂ O/Ag ₃ VO ₄ /Ag ₄ V ₂ O ₇ 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.	2.7	40
52	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.	10.8	38
53	Surface hydroxylation of graphitic carbon nitride: Enhanced visible light photocatalytic activity. <i>Materials Research Bulletin</i> , 2016, 84, 46-56.	2.7	38
54	Cu ₂ O NPs/Bi ₂ O ₃ CO ₃ flower-like complex photocatalysts with enhanced visible light photocatalytic degradation of organic pollutants. <i>Catalysis Today</i> , 2017, 297, 237-245.	2.2	38

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55	Metal free and efficient photoelectrocatalytic removal of organic contaminants over g-C ₃ N ₄ nanosheet films decorated with carbon quantum dots. RSC Advances, 2017, 7, 56335-56343.	1.7	38
56	Visible-light-driven inactivation of Escherichia coli K-12 using an Ag/AgCl-activated carbon composite photocatalyst. Journal of Photochemistry and Photobiology A: Chemistry, 2013, 267, 25-34.	2.0	36
57	Recent development on BN-based photocatalysis: A review. Materials Science in Semiconductor Processing, 2020, 120, 105256.	1.9	36
58	Development and modeling of a rotating disc photocatalytic reactor for wastewater treatment. Chemical Engineering Journal, 2006, 121, 125-134.	6.6	35
59	Synthesis and characterization of plasmonic and magnetically separable Ag/AgCl-Bi ₂ WO ₆ @Fe ₃ O ₄ @SiO ₂ core-shell composites for visible light-induced water detoxification. Journal of Colloid and Interface Science, 2017, 485, 296-307.	5.0	35
60	Photocatalytic oxidation of methanol to formaldehyde on bismuth-based semiconductors. Journal of Hazardous Materials, 2019, 380, 120822.	6.5	35
61	Hexagonal SnS nanoplates assembled onto hierarchical Bi ₂ WO ₆ with enhanced photocatalytic activity in detoxification and disinfection. Journal of Colloid and Interface Science, 2019, 537, 345-357.	5.0	35
62	Synthesis and Optimization of Visible Light Active BiVO ₄ Photocatalysts for the Degradation of RhB. International Journal of Photoenergy, 2015, 2015, 1-14.	1.4	33
63	Preparation of Hierarchical BiOBr Microspheres for Visible Light-Induced Photocatalytic Detoxification and Disinfection. Journal of Nanomaterials, 2016, 2016, 1-10.	1.5	33
64	Phase Transition in Cobalt Selenide with a Greatly Improved Electrocatalytic Activity in Hydrogen Evolution Reactions. ACS Sustainable Chemistry and Engineering, 2022, 10, 4022-4030.	3.2	33
65	Plasmonic Z-scheme Ag ₂ O-Bi ₂ MoO ₆ p-n heterojunction photocatalysts with greatly enhanced visible-light responsive activities. Materials Letters, 2017, 189, 267-270.	1.3	31
66	Self-assembly synthesis of phosphorus-doped tubular g-C ₃ N ₄ /Ti ₃ C ₂ MXene Schottky junction for boosting photocatalytic hydrogen evolution. Green Energy and Environment, 2023, 8, 233-245.	4.7	31
67	Oxygen vacancy modified Bi ₂ MoO ₆ /WO ₃ electrode with enhanced photoelectrocatalytic degradation activity toward RhB. Fuel, 2021, 285, 119171.	3.4	30
68	Rational design of an Allyl-rich Triazine-based covalent organic framework host used as efficient cathode materials for Li-S batteries. Chemical Engineering Journal, 2022, 429, 132254.	6.6	29
69	Cultivation of Neochloris oleoabundans in bubble column photobioreactor with or without localized deoxygenation. Bioresource Technology, 2016, 206, 255-263.	4.8	28
70	Synthesis, Analysis, and Testing of BiOBr-Bi ₂ WO ₆ Photocatalytic Heterojunction Semiconductors. International Journal of Photoenergy, 2015, 2015, 1-12.	1.4	27
71	Rational design of Co nano-dots embedded three-dimensional graphene gel as multifunctional sulfur cathode for fast sulfur conversion kinetics. Journal of Energy Chemistry, 2021, 56, 132-140.	7.1	25
72	Modulating the Electronic Properties of MoS ₂ Nanosheets for Electrochemical Hydrogen Production: A Review. ACS Applied Nano Materials, 2021, 4, 11413-11427.	2.4	24

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73	Alleviation of oxygen stress on <i>Neochloris oleoabundans</i> : effects of bicarbonate and pH. <i>Journal of Applied Phycology</i> , 2017, 29, 143-152.	1.5	23
74	Novel Synthesis of Choline-Based Amino Acid Ionic Liquids and Their Applications for Separating Asphalt from Carbonate Rocks. <i>Nanomaterials</i> , 2019, 9, 504.	1.9	23
75	New insight into reactive oxidation species (ROS) for bismuth-based photocatalysis in phenol removal. <i>Journal of Hazardous Materials</i> , 2020, 399, 122939.	6.5	23
76	Oxygen-deficient titanium dioxide supported cobalt nano-dots as efficient cathode material for lithium-sulfur batteries. <i>Journal of Energy Chemistry</i> , 2020, 48, 390-397.	7.1	22
77	Nitrogen Vacancy-Induced Deposition of Pd Nanoparticles onto $\text{g-C}_3\text{N}_4$ with Greatly Improved Photocatalytic Activity in H_2 Evolution. <i>Solar Rrl</i> , 2021, 5, 2100145.	3.1	22
78	Vacancy-engineered bismuth-based semiconductor with enhanced photocatalytic activity: A review. <i>Materials Science in Semiconductor Processing</i> , 2022, 137, 106230.	1.9	22
79	Fabrication of oxygen-vacancy-rich black-BiOBr/BiOBr heterojunction with enhanced photocatalytic activity. <i>Journal of Materials Science</i> , 2020, 55, 10785-10795.	1.7	21
80	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.	3.9	21
81	Enhanced Photocatalytic Activity of BiOBr/ZnO Heterojunction Semiconductors Prepared by Facile Hydrothermal Method. <i>International Journal of Photoenergy</i> , 2015, 2015, 1-9.	1.4	20
82	Enhanced Photocatalytic Activity toward Organic Pollutants Degradation and Mechanism Insight of Novel CQDs/Bi ₂ O ₂ CO ₃ Composite. <i>Nanomaterials</i> , 2018, 8, 330.	1.9	19
83	Modified graphitic carbon nitride as the photocatalyst for wastewater treatment under visible light irradiation. <i>Fuel</i> , 2020, 280, 118544.	3.4	19
84	Nonuniform radiation modeling of a corrugated plate photocatalytic reactor. <i>AIChE Journal</i> , 2005, 51, 2024-2033.	1.8	18
85	Design and Characterization of a Novel Rotating Corrugated Drum Reactor for Wastewater Treatment. <i>International Journal of Photoenergy</i> , 2010, 2010, 1-10.	1.4	18
86	High photocatalytic activity of 2D sheet structure ZnO/Bi ₂ WO ₆ Z-scheme heterojunction under simulated sunlight. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 165101.	1.3	18
87	Highly Selective Photocatalytic Reduction of CO ₂ to CO Over Ru-Modified Bi ₂ MoO ₆ . <i>Solar Rrl</i> , 2022, 6, .	3.1	18
88	Preparation of Carbon-Silicon Doping Composite Adsorbent Material for Removal of VOCs. <i>Materials</i> , 2019, 12, 2438.	1.3	16
89	An Effective Approach to Improve the Photocatalytic Activity of Graphitic Carbon Nitride via Hydroxyl Surface Modification. <i>Catalysts</i> , 2019, 9, 17.	1.6	15
90	Na ₄ Mn ₉ O ₁₈ 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.	1.2	15

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91	Investigation of Photo(electro)catalytic water splitting to evolve H ₂ on Pt-g-C ₃ N ₄ nanosheets. International Journal of Hydrogen Energy, 2022, 47, 28007-28018.	3.8	15
92	Codon-optimized expression and characterization of a pH stable fungal xylanase in Pichia pastoris. Process Biochemistry, 2017, 53, 80-87.	1.8	14
93	Fabrication of Monopile Polymer Foams via Rotating Gas Foaming: Hybrid Applications in Solar-Powered Interfacial Evaporation and Water Remediation. Solar Rrl, 2022, 6, .	3.1	14
94	Rotating corrugated photoreactor design: Experimental and computational analysis of TiO ₂ -based photocatalysis. AIChE Journal, 2013, 59, 560-570.	1.8	13
95	Preparation of Efficient Carbon-Based Adsorption Material Using Asphaltenes from Asphalt Rocks. Industrial & Engineering Chemistry Research, 2019, 58, 14785-14794.	1.8	13
96	Performance and mechanism of the separation of C ₈ olefin from F ₂ synthesis products using novel Ag ₂ DES. AIChE Journal, 2021, 67, e17252.	1.8	13
97	Microwave-assisted synthesis of a superfine Ag/AgI photocatalyst with high activity and excellent durability. Journal of Materials Science, 2015, 50, 6935-6946.	1.7	12
98	Synthesis and Characterization of Graphene Oxide-Modified Bi ₂ WO ₆ and Its Use as Photocatalyst. International Journal of Photoenergy, 2016, 2016, 1-8.	1.4	12
99	Enhanced photocatalytic degradation of organic pollutants using carbon nanotube mediated CuO and Bi ₂ WO ₆ sandwich flaky structures. Nanotechnology, 2020, 31, 425202.	1.3	12
100	Oil-in-Water Self-Assembled Synthesis of Ag@AgCl Nano-Particles on Flower-like Bi ₂ O ₂ CO ₃ with Enhanced Visible-Light-Driven Photocatalytic Activity. Materials, 2016, 9, 486.	1.3	11
101	Synthesis and application of hydrophilically-modified Fe ₃ O ₄ nanoparticles in oil sands separation. RSC Advances, 2018, 8, 15813-15824.	1.7	11
102	Experimental analysis of a photoreactor packed with Pd@BiVO ₄ -Coated glass beads. AIChE Journal, 2019, 65, 132-139.	1.8	11
103	The engineering of surface plasmon resonance and up-conversion to improve the photocatalytic performance of MIL-53(Fe) over the full solar spectrum. Journal of Materials Science, 2020, 55, 997-1011.	1.7	11
104	Bismuth chromate (Cr ₂ Bi ₃ O ₁₁): a new bismuth-based semiconductor with excellent photocatalytic activity. Chemical Communications, 2022, 58, 2014-2017.	2.2	11
105	<i>In situ</i> synthesis of N-doped TiO ₂ on Ti ₃ C ₂ MXene with enhanced photocatalytic activity in the selective reduction of nitrate to N ₂ . Inorganic Chemistry Frontiers, 2022, 9, 1195-1207.	3.0	11
106	A novel bismuth hydroxide (Bi(OH) ₃) semiconductor with highly-efficient photocatalytic activity. Chemical Communications, 2022, 58, 8198-8201.	2.2	10
107	Comparison of experimental designs using neural networks. Canadian Journal of Chemical Engineering, 2009, 87, 965-971.	0.9	9
108	Interfacial charge transfer and enhanced photocatalytic mechanisms for Pt nanoparticles loaded onto sulfur-doped g-C ₃ N ₄ in H ₂ evolution. Materials Today Energy, 2021, 22, 100881.	2.5	9

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109	Cultivation of freshwater green alga <i>Neochloris oleoabundans</i> in non-sterile media co-inoculated with protozoa. Canadian Journal of Chemical Engineering, 2016, 94, 439-445.	0.9	8
110	Screening of Alternative Carbon Sources for Recombinant Protein Production in <i>Pichia pastoris</i> . International Journal of Chemical Reactor Engineering, 2016, 14, 251-257.	0.6	8
111	Enhanced Visible Light Photocatalytic Degradation of Organic Pollutants over Flower-Like Bi ₂ O ₂ CO ₃ Dotted with Ag@AgBr. Materials, 2016, 9, 882.	1.3	7
112	Solar photocatalysis for environmental remediation. , 2020, , 183-195.		7
113	Enhanced Electroconversion CO ₂ to Formate by Oxygen Vacancy Rich Ultrasmall Bi-Based Catalyst Over a Wide Potential Window. ChemCatChem, 2022, 14, .	1.8	7
114	Measurement and Correlation of Solubility of Calcium Formate (Form I±) in Different Binary Solvent Mixtures at Temperatures from 283.15 to 323.15 K. Journal of Chemical & Engineering Data, 2019, 64, 2475-2483.	1.0	6
115	MgCo layered double hydroxide-based yolk shell polyhedrons as multifunctional sulfur mediator for lithium-sulfur batteries. Nanotechnology, 2022, 33, 115405.	1.3	6
116	Photocatalytic Reduction of CO ₂ on a Bi ₂ MoW _{1-x} O ₆ Solid Solution with Enhanced Activity. Inorganic Chemistry, 2022, 61, 9405-9412.	1.9	6
117	UV absorption by TiO ₂ films in photocatalytic reactors: Effect of fold curvature. AIChE Journal, 2012, 58, 1578-1587.	1.8	5
118	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.	2.2	5
119	Efficient Synthesis of Isobutylene Dimerization by Catalytic Distillation with Advanced Heat-Integrated Technology. Industrial & Engineering Chemistry Research, 2021, 60, 6121-6136.	1.8	5
120	Separation of taxanes from <i>Taxus canadensis</i> using dynamic pressurized liquid extraction. Biotechnology and Bioprocess Engineering, 2011, 16, 769-776.	1.4	4
121	Production of Energy and Activated Carbon from Agri-Residue: Sunflower Seed Example. Applied Biochemistry and Biotechnology, 2012, 168, 154-162.	1.4	4
122	Statistical Medium Optimization for the Increased Production of Recombinant Phytase in the Fed-Batch Cultivation of <i>Pichia pastoris</i> . International Journal of Chemical Reactor Engineering, 2015, 13, 427-435.	0.6	4
123	Highly Efficient Removal of Suspended Solid Pollutants from Wastewater by Magnetic Fe ₃ O ₄ Graphene Oxides Nanocomposite. ChemistrySelect, 2018, 3, 11643-11648.	0.7	4
124	Editorial for special issue of biorefinery. Biotechnology Advances, 2019, 37, 507.	6.0	4
125	Promoted lithium polysulfide conversion and immobilization by conductive titanium oxynitride-carbon architecture design for advanced lithium-sulfur batteries. Nanoscale, 2021, 13, 17929-17938.	2.8	4
126	Accelerating transfer of photogenerated charge carriers by loading PtOx on Cr ₂ Bi ₃ O ₁₁ nanorods to enhance photocatalytic activity in water detoxification and splitting. Applied Surface Science, 2022, , 153643.	3.1	4

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127	Coupled Transport Phenomena in Corrugated Photocatalytic Reactors. Chinese Journal of Chemical Engineering, 2011, 19, 763-772.	1.7	3
128	Potential of water hyacinth for phytoremediation in low temperature environment. Environmental Progress and Sustainable Energy, 2013, 32, 976-981.	1.3	3
129	Synthesis of 3-dimensional mesoporous silica using a di-block copolymer template. Journal of Materials Science, 2007, 42, 4461-4469.	1.7	2
130	Short communication: acidity of Ni-W catalyst supported on zirconium doped mesoporous SBA-15. Journal of Porous Materials, 2011, 18, 651-654.	1.3	2
131	Coordinated Co-NC/CoFe dual active centre embedded three-dimensional ordered macroporous framework as bifunctional catalyst for efficient and stable zinc-air batteries. Nanotechnology, 2022, 33, 155404.	1.3	1