

# Xiangchao Meng

## List of Publications by Year in descending order

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Version: 2024-02-01

131  
papers

6,409  
citations

76031

42  
h-index

84171

75  
g-index

131  
all docs

131  
docs citations

131  
times ranked

8054  
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.            | 4.7 | 31        |
| 2  | Vacancy-engineered bismuth-based semiconductor with enhanced photocatalytic activity: A review. <i>Materials Science in Semiconductor Processing</i> , 2022, 137, 106230.  | 1.9 | 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.   | 6.6 | 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.                           | 6.5 | 45        |
| 5  | MgCo layered double hydroxide-based yolk shell polyhedrons as multifunctional sulfur mediator for lithium-sulfur batteries. <i>Nanotechnology</i> , 2022, 33, 115405.  | 1.3 | 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.                                     | 3.9 | 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.   | 2.2 | 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.        | 3.0 | 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.   | 1.3 | 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, .   | 1.8 | 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.   | 3.2 | 33        |
| 12 | Highly Selective Photocatalytic Reduction of CO <sub>2</sub> to CO Over Ru-Modified Bi <sub>2</sub> Mo <sub>6</sub> . <i>Solar Rrl</i> , 2022, 6, .  | 3.1 | 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. | 3.1 | 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, .  | 3.1 | 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.   | 2.8 | 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.  | 2.2 | 10        |
| 17 | Photocatalytic Reduction of CO <sub>2</sub> on a Bi <sub>2</sub> Mo <sub>6</sub> W <sub>10</sub> O <sub>66</sub> Solid Solution with Enhanced Activity. <i>Inorganic Chemistry</i> , 2022, 61, 9405-9412.  | 1.9 | 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.   | 3.8 | 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.   | 3.4 | 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.                                    | 7.1 | 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. | 5.0 | 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.                                  | 2.8 | 4         |
| 23 | 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        |
| 24 | Performance and mechanism of the separation of C <sub>8</sub> olefin from Fischer synthesis products using novel AgDES. <i>AIChE Journal</i> , 2021, 67, e17252.  | 1.8 | 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.   | 1.8 | 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.                              | 3.1 | 22        |
| 27 | Recent Advances of Photocatalytic Application in Water Treatment: A Review. <i>Nanomaterials</i> , 2021, 11, 1804.  | 1.9 | 192       |
| 28 | Photocatalysis for Heavy Metal Treatment: A Review. <i>Processes</i> , 2021, 9, 1729.   | 1.3 | 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.                  | 6.6 | 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.           | 2.5 | 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.  | 2.4 | 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.                    | 2.0 | 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.                            | 1.7 | 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.           | 1.2 | 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.  | 3.1 | 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.   | 2.4 | 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. <i>Journal of Colloid and Interface Science</i> , 2020, 580, 669-680. | 5.0  | 139       |
| 38 | Recent development on BN-based photocatalysis: A review. <i>Materials Science in Semiconductor Processing</i> , 2020, 120, 105256.   | 1.9  | 36        |
| 39 | Modified graphitic carbon nitride as the photocatalyst for wastewater treatment under visible light irradiation. <i>Fuel</i> , 2020, 280, 118544.  | 3.4  | 19        |
| 40 | 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        |
| 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. <i>Nanotechnology</i> , 2020, 31, 425202.  | 1.3  | 12        |
| 43 | Recent development on palladium enhanced photocatalytic activity: A review. <i>Journal of Alloys and Compounds</i> , 2020, 830, 154669.  | 2.8  | 47        |
| 44 | Photocatalytic Reforming for Hydrogen Evolution: A Review. <i>Catalysts</i> , 2020, 10, 335.   | 1.6  | 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. <i>Applied Catalysis B: Environmental</i> , 2020, 268, 118740.                                    | 10.8 | 173       |
| 46 | 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        |
| 47 | High photocatalytic activity of 2D sheet structure ZnO/Bi <sub>2</sub> WO <sub>6</sub> Z-scheme heterojunction under simulated sunlight. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 165101.   | 1.3  | 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. <i>Applied Surface Science</i> , 2020, 518, 146219.   | 3.1  | 43        |
| 49 | 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        |
| 50 | Catalytic hydrolysis of alkaline sodium borohydride solution for hydrogen evolution in a micro-scale fluidized bed reactor. <i>International Journal of Energy Research</i> , 2020, 44, 6758-6766.   | 2.2  | 5         |
| 51 | Preparation of Carbon-Silicon Doping Composite Adsorbent Material for Removal of VOCs. <i>Materials</i> , 2019, 12, 2438.  | 1.3  | 16        |
| 52 | Preparation of Efficient Carbon-Based Adsorption Material Using Asphaltenes from Asphalt Rocks. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 14785-14794.  | 1.8  | 13        |
| 53 | Photocatalytic oxidation of methanol to formaldehyde on bismuth-based semiconductors. <i>Journal of Hazardous Materials</i> , 2019, 380, 120822.   | 6.5  | 35        |
| 54 | Fabrication of surface hydroxyl modified g-C <sub>3</sub> N <sub>4</sub> with enhanced photocatalytic oxidation activity. <i>Catalysis Science and Technology</i> , 2019, 9, 3979-3993.  | 2.1  | 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.  | 3.1 | 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.  | 5.2 | 43        |
| 57 | Editorial for special issue of biorefinery. <i>Biotechnology Advances</i> , 2019, 37, 507.   | 6.0 | 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.   | 1.9 | 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.                                      | 3.1 | 45        |
| 60 | Measurement and Correlation of Solubility of Calcium Formate (Form $\hat{\pm}$ ) 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.    | 1.0 | 6         |
| 61 | Recent advances in computational photocatalysis: A review. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 1982-1998.  | 0.9 | 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.  | 1.8 | 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. | 3.6 | 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.  | 2.7 | 44        |
| 65 | 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        |
| 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.       | 5.0 | 35        |
| 67 | Recent advances on production of 2, 3-butanediol using engineered microbes. <i>Biotechnology Advances</i> , 2019, 37, 569-578.   | 6.0 | 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.   | 4.2 | 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.   | 5.6 | 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.  | 1.7 | 11        |
| 72 | Two dimensional graphitic materials for photoelectrocatalysis: A short review. <i>Catalysis Today</i> , 2018, 315, 2-8.  | 2.2 | 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.  | 2.2  | 74        |
| 74 | 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        |
| 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.  | 5.0  | 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.  | 6.0  | 264       |
| 77 | Highly Efficient Removal of Suspended Solid Pollutants from Wastewater by Magnetic Fe <sub>3</sub> O <sub>4</sub> @Graphene Oxides Nanocomposite. <i>ChemistrySelect</i> , 2018, 3, 11643-11648.   | 0.7  | 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.  | 1.9  | 19        |
| 79 | Synthesis and characterization of a core-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.  | 1.7  | 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.   | 1.5  | 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.   | 2.2  | 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.   | 10.8 | 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.  | 1.8  | 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.  | 1.3  | 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.  | 3.1  | 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.   | 3.2  | 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.  | 2.0  | 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. | 5.0  | 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.  | 1.7  | 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.  | 1.3  | 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.   | 1.3  | 11        |
| 92  | Preparation of Hierarchical BiOBr Microspheres for Visible Light-Induced Photocatalytic Detoxification and Disinfection. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-10.   | 1.5  | 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.   | 1.4  | 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.   | 0.9  | 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.                                      | 10.8 | 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.   | 2.7  | 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.   | 0.6  | 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.  | 4.8  | 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. | 2.7  | 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.  | 1.4  | 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.  | 1.4  | 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.   | 1.4  | 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.   | 2.0  | 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.  | 4.8  | 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.   | 1.7  | 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.   | 0.6  | 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.   | 10.8 | 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.                           | 5.6  | 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. | 10.8 | 38        |
| 111 | Rotating corrugated photoreactor design: Experimental and computational analysis of $\text{TiO}_2$ -based photocatalysis. <i>AIChE Journal</i> , 2013, 59, 560-570.  | 1.8  | 13        |
| 112 | Potential of water hyacinth for phytoremediation in low temperature environment. <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 976-981.   | 1.3  | 3         |
| 113 | Graphene-wrapped hierarchical $\text{TiO}_2$ nanoflower composites with enhanced photocatalytic performance. <i>Journal of Materials Chemistry A</i> , 2013, 1, 12255.   | 5.2  | 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.                                     | 2.0  | 36        |
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