

Yadong Meng

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

207
papers

7,403
citations

47
h-index

75
g-index

213
ext. papers

9,060
ext. citations

7.1
avg, IF

6.58
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 207 | Dual-Site Single-Atom Catalysts with High Performance for Three-Way Catalysis.. <i>Advanced Materials</i> , 2022 , e2201859 | 24 | 2 |
| 206 | Alloying Ni-Cu Nanoparticles Encapsulated in SiO Nanospheres for Synergistic Catalysts in CO Reforming with Methane Reaction.. <i>ACS Applied Materials & Interfaces</i> , 2022 , | 9.5 | 3 |
| 205 | Highly efficient electrochemical carbon dioxide reduction to syngas with tunable ratios over pyridinic- nitrogen rich ultrathin carbon nanosheets. <i>Journal of Colloid and Interface Science</i> , 2021 , | 9.3 | 2 |
| 204 | Novel CoZnNi oxyphosphide-based electrode with high hydroxyl ion adsorption capacity for ultra-high volumetric energy density asymmetric supercapacitor.. <i>Journal of Colloid and Interface Science</i> , 2021 , 610, 427-437 | 9.3 | 3 |
| 203 | 2D/2D SnS ₂ /Covalent Organic Framework Heterojunction Photocatalysts for Highly Enhanced Solar-Driven Hydrogen Evolution without Cocatalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 14238-14248 | 8.3 | 8 |
| 202 | In-situ generated NiCoO/CoP polyhedron with rich oxygen vacancies interpenetrating by P-doped carbon nanotubes for high performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2021 , | 9.3 | 2 |
| 201 | Self-supported nickel sulfide derived from nickel foam for hydrogen evolution and oxygen evolution reaction: effect of crystal phase switching. <i>Nanotechnology</i> , 2021 , 32, 085710 | 3.4 | 6 |
| 200 | A Periplasmic Photosensitized Biohybrid System for Solar Hydrogen Production. <i>Advanced Energy Materials</i> , 2021 , 11, 2100256 | 21.8 | 15 |
| 199 | Steering Multistep Charge Transfer for Highly Selectively Photocatalytic Reduction of CO ₂ into CH ₄ over Pd/Cu ₂ O/TiO ₂ Ternary Hybrid. <i>Solar Rrl</i> , 2021 , 5, 2000813 | 7.1 | 10 |
| 198 | Conjugated Microporous Polymers with Bipolar and Double Redox-Active Centers for High-Performance Dual-Ion, Organic Symmetric Battery. <i>Advanced Energy Materials</i> , 2021 , 11, 2100381 | 21.8 | 15 |
| 197 | Effect of unsaturated coordination on photoelectrochemical properties of Ni-MOF/TiO ₂ photoanode for water splitting. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 17741-17750 | 6.7 | 12 |
| 196 | Interfacial Engineering of the CoxPBe ₂ P Heterostructure for Efficient and Robust Electrochemical Overall Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 7737-7748 | 8.3 | 11 |
| 195 | 3D CNTs/graphene network conductive substrate supported MOFs-derived CoZnNiS nanosheet arrays for ultra-high volumetric/gravimetric energy density hybrid supercapacitor. <i>Journal of Colloid and Interface Science</i> , 2021 , 583, 288-298 | 9.3 | 37 |
| 194 | Bifunctional black phosphorus: coupling with hematite for Z-scheme photocatalytic overall water splitting. <i>Catalysis Science and Technology</i> , 2021 , 11, 681-688 | 5.5 | 3 |
| 193 | A NIR-Responsive Phytic Acid Nickel Biomimetic Complex Anchored on Carbon Nitride for Highly Efficient Solar Hydrogen Production. <i>Angewandte Chemie</i> , 2021 , 133, 5305-5309 | 3.6 | 2 |
| 192 | A NIR-Responsive Phytic Acid Nickel Biomimetic Complex Anchored on Carbon Nitride for Highly Efficient Solar Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 5245-5249 | 16.4 | 13 |
| 191 | Synthesis of CoO/KNbO ₃ p-n Heterojunction Photocatalysts with Enhanced H ₂ Production. <i>Catalysis Letters</i> , 2021 , 151, 755-763 | 2.8 | 0 |

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| 190 | Understanding the Z-scheme heterojunction of BiVO ₄ /PANI for photoelectrochemical nitrogen reduction. <i>Chemical Communications</i> , 2021 , 57, 10568-10571 | 5.8 | 8 |
| 189 | Iron and nitrogen Co-doped CoSe ₂ nanosheet arrays for robust electrocatalytic water oxidation. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 2725-2734 | 6.8 | 2 |
| 188 | Double-Phase Heterostructure within Fe-Doped Cu ₂ S Quantum Dots with Boosted Electrocatalytic Nitrogen Reduction. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 2844-2853 | 8.3 | 11 |
| 187 | Ni/SiO ₂ Catalyst Prepared by Strong Electrostatic Adsorption for a Low-Temperature Methane Dry Reforming Reaction. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 3324-3333 | 3.9 | 30 |
| 186 | Proton exchange membrane fuel cells using new cathode field designs of multi-inlet shunt intake design. <i>International Journal of Energy Research</i> , 2021 , 45, 9948-9960 | 4.5 | 8 |
| 185 | Fundamental Flaw in the Current Construction of the TiO ₂ Electron Transport Layer of Perovskite Solar Cells and Its Elimination. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 39371-39378 | 9.5 | 1 |
| 184 | Ag-In-Zn-S Quantum Dot-Dominated Interface Kinetics in Ag-In-Zn-S/NiFe LDH Composites toward Efficient Photoassisted Electrocatalytic Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 42125-42137 | 9.5 | 7 |
| 183 | 0D/2D Z-scheme heterojunctions of Zn-AgIn ₅ S ₈ QDs/Fe ₂ O ₃ nanosheets for efficient visible-light-driven hydrogen production. <i>Chemical Engineering Journal</i> , 2021 , 417, 128275 | 14.7 | 22 |
| 182 | Discharge-Induced Enhancement of the Oxygen Evolution Reaction. <i>Angewandte Chemie</i> , 2021 , 133, 20195-20201 | 3.6 | 1 |
| 181 | Discharge-Induced Enhancement of the Oxygen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 20042-20048 | 16.4 | 6 |
| 180 | Biothiol-Functionalized Cuprous Oxide Sensor for Dual-Mode Sensitive Hg Detection. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 46980-46989 | 9.5 | 9 |
| 179 | Ball-Milling Induced Debonding of Surface Atoms from Metal Bulk for Construing High-Performance Dual-Site Single-Atom Catalysts. <i>Angewandte Chemie</i> , 2021 , 133, 23338 | 3.6 | 0 |
| 178 | Ball-Milling Induced Debonding of Surface Atoms from Metal Bulk for Construing High-Performance Dual-Site Single-Atom Catalysts. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 23154-23158 | 16.4 | 6 |
| 177 | In situ construction of multi-dimensional CoO/NiCoO hierarchical flakes on self-supporting carbon substrate with ultra-high capacitance for hybrid supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2021 , 599, 158-167 | 9.3 | 8 |
| 176 | Oxygen vacancy engineering of BiOBr/HNbO ₃ Z-scheme hybrid photocatalyst for boosting photocatalytic conversion of CO. <i>Journal of Colloid and Interface Science</i> , 2021 , 599, 245-254 | 9.3 | 14 |
| 175 | Phosphorus doped nickel selenide for full device water splitting. <i>Journal of Colloid and Interface Science</i> , 2021 , 602, 115-122 | 9.3 | 3 |
| 174 | Carbon nanotubes interpenetrating MOFs-derived Co-Ni-S composite spheres with interconnected architecture for high performance hybrid supercapacitor. <i>Journal of Colloid and Interface Science</i> , 2021 , 602, 627-635 | 9.3 | 21 |
| 173 | High-performance supercapacitor based on highly active P-doped one-dimension/two-dimension hierarchical NiCoO/NiMoO ₄ for efficient energy storage. <i>Journal of Colloid and Interface Science</i> , 2021 , 601, 793-802 | 9.3 | 12 |

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| 172 | ZIF-8 derived ZnO/TiO heterostructure with rich oxygen vacancies for promoting photoelectrochemical water splitting. <i>Journal of Colloid and Interface Science</i> , 2021 , 603, 120-130 | 9.3 | 5 |
| 171 | Fabrication of 2D/2D COF/SnNb ₂ O ₆ nanosheets and their enhanced solar hydrogen production. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 1686-1694 | 6.8 | 3 |
| 170 | Effect of Calcination Temperature on the Performance of the ₂ Catalyst in Methane Dry Reforming. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 13370-13379 | 3.9 | 45 |
| 169 | Ex-situ flame co-doping of tin and tungsten ions in TiO ₂ nanorod arrays for synergistic promotion of solar water splitting. <i>Chemical Engineering Science</i> , 2020 , 226, 115843 | 4.4 | 38 |
| 168 | Hierarchical CoP@Ni(OH) ₂ /Ni(OH) ₂ core-shell nanosheet arrays on carbon cloth for high-performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2020 , 578, 1-9 | 9.3 | 12 |
| 167 | Organic-inorganic hybrid-photoanode built from NiFe-MOF and TiO ₂ for efficient PEC water splitting. <i>Electrochimica Acta</i> , 2020 , 349, 136383 | 6.7 | 40 |
| 166 | Holey Cobalt-Iron Nitride Nanosheet Arrays as High-Performance Bifunctional Electrocatalysts for Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 29253-29263 | 9.5 | 10 |
| 165 | Experimental and Numerical Study of the Ultrasonic Atomization Pyrolysis Process toward Mass Production of Photocatalysts. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 11777-11789 | 3.9 | 5 |
| 164 | Low Temperature CO Reforming with Methane Reaction over CeO-Modified Ni@SiO Catalysts. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 35022-35034 | 9.5 | 55 |
| 163 | Ag-Pi/BiVO heterojunction with efficient interface carrier transport for photoelectrochemical water splitting. <i>Journal of Colloid and Interface Science</i> , 2020 , 579, 619-627 | 9.3 | 16 |
| 162 | A novel flow field with controllable pressure gradient to enhance mass transport and water removal of PEM fuel cells. <i>AIChE Journal</i> , 2020 , 66, e16957 | 3.6 | 12 |
| 161 | In Situ Formation of Co ₉ S ₈ Quantum Dots in MOF-Derived Ternary Metal Layered Double Hydroxide Nanoarrays for High-Performance Hybrid Supercapacitors. <i>Advanced Energy Materials</i> , 2020 , 10, 1903193 | 21.8 | 74 |
| 160 | Hierarchical CoP@Ni ₂ P core-shell nanosheets for ultrahigh energy density asymmetric supercapacitors. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 3030-3038 | 6.8 | 11 |
| 159 | Ink-Assisted Synthetic Strategy for Stable and Advanced Composite Electrocatalysts with Single Fe Sites. <i>Small</i> , 2020 , 16, e2006113 | 11 | 1 |
| 158 | Boosted Photoelectrochemical N Reduction over MoC In Situ Coated with Graphitized Carbon. <i>Langmuir</i> , 2020 , 36, 14802-14810 | 4 | 8 |
| 157 | Amorphous MnCO ₃ /C Double Layers Decorated on BiVO Photoelectrodes to Boost Nitrogen Reduction. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 52763-52770 | 9.5 | 19 |
| 156 | A simple flame strategy for constructing W-doped BiVO ₄ photoanodes with enhanced photoelectrochemical water splitting. <i>International Journal of Energy Research</i> , 2020 , 44, 10821-10831 | 4.5 | 4 |
| 155 | Ultra-small CeO ₂ nanoparticles supported on SiO ₂ for indoor formaldehyde oxidation at low temperature. <i>Catalysis Science and Technology</i> , 2020 , 10, 6701-6712 | 5.5 | 13 |

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| 154 | Single cell electron collectors for highly efficient wiring-up electronic abiotic/biotic interfaces. <i>Nature Communications</i> , 2020 , 11, 4087 | 17.4 | 51 |
| 153 | A Whole-Cell Inorganic-Biohybrid System Integrated by Reduced Graphene Oxide for Boosting Solar Hydrogen Production. <i>ACS Catalysis</i> , 2020 , 10, 13290-13295 | 13.1 | 20 |
| 152 | Origin of the enhanced oxygen evolution reaction activity and stability of a nitrogen and cerium co-doped CoS ₂ electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 22694-22702 | 13 | 9 |
| 151 | MOF-derived Co ₉ S ₈ polyhedrons on NiCo ₂ S ₄ nanowires for high-performance hybrid supercapacitors. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 4092-4100 | 6.8 | 28 |
| 150 | Efficient 0D/2D Heterostructured Photocatalysts with Zn-AgIn ₅ S ₈ Quantum Dots Embedded in Ultrathin NiS Nanosheets for Hydrogen Production. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 16249-16257 | 3.9 | 20 |
| 149 | Nanowire-based branched nanotrees prepared by flame vapor deposition system incorporated with double wire feeders. <i>AIChE Journal</i> , 2019 , 65, 1138-1143 | 3.6 | 4 |
| 148 | Donor-Acceptor Sequence Engineering in Conjugated Polymers for Enhanced Hole Transport and Photocurrent. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 14253-14260 | 3.8 | 4 |
| 147 | MOF-derived Co ₃ O ₄ thin film decorated BiVO ₄ for enhancement of photoelectrochemical water splitting. <i>Applied Surface Science</i> , 2019 , 491, 497-504 | 6.7 | 42 |
| 146 | Confined growth of CoBi co-catalyst by organic semiconductor polymer for boosting the photoelectrochemical performance of BiVO ₄ . <i>New Journal of Chemistry</i> , 2019 , 43, 8160-8167 | 3.6 | 7 |
| 145 | In Situ Decorating Coordinatively Unsaturated Fe Sites for Boosting Water Oxidation Performance of TiO ₂ Photoanode. <i>Energy Technology</i> , 2019 , 7, 1801128 | 3.5 | 17 |
| 144 | MOFs-derived Co ₉ S ₈ -embedded graphene/hollow carbon spheres film with macroporous frameworks for hybrid supercapacitors with superior volumetric energy density. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 8503-8509 | 13 | 97 |
| 143 | Carbon Nitride Fabrication and Its Water-Splitting Applications 2019 , 99-136 | | |
| 142 | Facile Surface Engineering of AgIn ₅ S ₈ Quantum Dot Photocatalysts by Mixed-Ligand Passivation with Improved Charge Carrier Lifetime. <i>Catalysis Letters</i> , 2019 , 149, 1800-1812 | 2.8 | 14 |
| 141 | MOF-derived hierarchical nanosheet arrays constructed by interconnected NiCo-alloy@NiCo-sulfide core-shell nanoparticles for high-performance asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2019 , 370, 666-676 | 14.7 | 111 |
| 140 | Self-supported hierarchical core-shell Co ₉ S ₈ @NiCo ₂ O ₄ hollow nanoneedle arrays for asymmetric supercapacitors. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 982-987 | 6.8 | 33 |
| 139 | Proton-free electron-trapping feature of titanium dioxide nanoparticles without the characteristic blue color. <i>Communications Chemistry</i> , 2019 , 2, | 6.3 | 11 |
| 138 | Flame Reduced TiO ₂ Nanorod Arrays with Ag Nanoparticle Decoration for Efficient Solar Water Splitting. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 4818-4827 | 3.9 | 25 |
| 137 | Reasonable regulation of kinetics over BiVO ₄ photoanode by Fe ₃ O ₄ catalysts for boosting photoelectrochemical water splitting. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 28184-28193 | 6.7 | 24 |

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| 136 | MOF-derived 3D hierarchical nanoarrays consisting of NiCoZn-S nanosheets coupled with granular NiCo ₂ S ₄ nanowires for high-performance hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 26131-26138 | 13 | 31 |
| 135 | NiCo-layered double-hydroxide and carbon nanosheets microarray derived from MOFs for high performance hybrid supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2019 , 539, 545-552 | 9.3 | 105 |
| 134 | Molecularly Imprinted Fluorescent Test Strip for Direct, Rapid, and Visual Dopamine Detection in Tiny Amount of Biofluid. <i>Small</i> , 2019 , 15, e1803913 | 11 | 66 |
| 133 | Molecular Imprinting: Molecularly Imprinted Fluorescent Test Strip for Direct, Rapid, and Visual Dopamine Detection in Tiny Amount of Biofluid (Small 1/2019). <i>Small</i> , 2019 , 15, 1970006 | 11 | 2 |
| 132 | In-situ approach to fabricate BiOI photocathode with oxygen vacancies: Understanding the N ₂ reduced behavior in photoelectrochemical system. <i>Chemical Engineering Journal</i> , 2019 , 362, 349-356 | 14.7 | 90 |
| 131 | In-situ anchoring Ag through organic polymer for configuring efficient plasmonic BiVO ₄ photoanode. <i>Chemical Engineering Journal</i> , 2019 , 358, 658-665 | 14.7 | 70 |
| 130 | Facile fabrication of plate-like Bi ₃ O ₄ Cl for visible-light-driven photocatalytic degradation of tetracycline hydrochloride. <i>Micro and Nano Letters</i> , 2018 , 13, 9-11 | 0.9 | 7 |
| 129 | Integrated Heterostructure of PDA/Bi-AgIn ₅ S ₈ /TiO ₂ for Photoelectrochemical Hydrogen Production: Understanding the Synergistic Effect of Multilayer Structure. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1701574 | 4.6 | 25 |
| 128 | Graphene oxide as solid-state electron mediator enhanced photocatalytic activities of GO-Ag ₃ PO ₄ /Bi ₂ O ₃ Z-scheme photocatalyst efficiently by visible-light driven. <i>Materials Technology</i> , 2018 , 33, 421-432 | 2.1 | 15 |
| 127 | A facile and scalable route for synthesizing ultrathin carbon nitride nanosheets with efficient solar hydrogen evolution. <i>Carbon</i> , 2018 , 136, 160-167 | 10.4 | 22 |
| 126 | Promoting visible-light-induced photocatalytic degradation of tetracycline by an efficient and stable beta-Bi ₂ O ₃ @g-C ₃ N ₄ core/shell nanocomposite. <i>Chemical Engineering Journal</i> , 2018 , 338, 137-146 | 14.7 | 198 |
| 125 | High-performance for hydrogen evolution and pollutant degradation of reduced graphene oxide/two-phase g-CN heterojunction photocatalysts. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 14486-14498 | 5.1 | 18 |
| 124 | Full synergistic effect of hydrothermal NiCo ₂ O ₄ nanosheets/CuCo ₂ O ₄ nanocones supported on Ni foam for high-performance asymmetric supercapacitors. <i>Journal of Solid State Chemistry</i> , 2018 , 262, 327-334 | 3.3 | 41 |
| 123 | Construction of hierarchical FeCoO@MnO core-shell nanostructures on carbon fibers for high-performance asymmetric supercapacitor. <i>Journal of Colloid and Interface Science</i> , 2018 , 512, 419-429 | 9.3 | 44 |
| 122 | First-principles study on the lattice plane and termination dependence of the electronic properties of the NiO/CH ₃ NH ₃ PbI ₃ interfaces. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 8226-8233 | 7.1 | 8 |
| 121 | Core-shell structured ZnCoO@ZnWO nanowire arrays on nickel foam for advanced asymmetric supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2018 , 531, 64-73 | 9.3 | 47 |
| 120 | Synthesis of C/Co ₃ O ₄ composite mesoporous hollow sphere sandwich graphene films for high-performance supercapacitors. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 2554-2562 | 6.8 | 20 |
| 119 | Self-templated transformation of MOFs into layered double hydroxide nanoarrays with selectively formed Co ₉ S ₈ for high-performance asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2018 , 354, 716-726 | 14.7 | 107 |

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| 118 | Photocatalytic Ozonation of 2,4-Dichlorophenoxyacetic Acid using LaFeO ₃ Photocatalyst Under Visible Light Irradiation. <i>Catalysis Letters</i> , 2018 , 148, 23-29 | 2.8 | 14 |
| 117 | NGQD active sites as effective collectors of charge carriers for improving the photocatalytic performance of Z-scheme g-C ₃ N ₄ /Bi ₂ WO ₆ heterojunctions. <i>Catalysis Science and Technology</i> , 2018 , 8, 622-631 | 5.5 | 142 |
| 116 | Effective bandgap narrowing of CuInZnS quantum dots for photocatalytic H ₂ production via cocatalyst-alleviated charge recombination. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 258-265 | 6.8 | 31 |
| 115 | Graphene-Sensitized Perovskite Oxide Monolayer Nanosheets for Efficient Photocatalytic Reaction. <i>Advanced Functional Materials</i> , 2018 , 28, 1806284 | 15.6 | 37 |
| 114 | Dip-coating synthesis of P-doped BiVO ₄ photoanodes with enhanced photoelectrochemical performance. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 93, 582-589 | 5.3 | 18 |
| 113 | Enhanced visible-light-driven photocatalytic activity of Bi ₂ O ₃ /Bi ₂ WO ₆ Z-scheme heterojunction photocatalysts for tetracycline degradation. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2018 , 231, 86-92 | 3.1 | 20 |
| 112 | Fabrication of 0D/2D Carbon Nitride Quantum Dots/SnNb ₂ O ₆ Ultrathin Nanosheets with Enhanced Photocatalytic Hydrogen Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 14332-14339 | 8.3 | 33 |
| 111 | Boosting Water Splitting Performance of BiVO ₄ Photoanode through Selective Surface Decoration of Ag ₂ S. <i>ChemCatChem</i> , 2018 , 10, 4927-4933 | 5.2 | 27 |
| 110 | Flexible yolk-shelled NiCo ₂ S ₄ hollow spheres/RGO film electrodes for efficient supercapacitive energy storage. <i>New Journal of Chemistry</i> , 2018 , 42, 16174-16182 | 3.6 | 19 |
| 109 | Hierarchical MoS ₂ nanoflowers on carbon cloth as an efficient cathode electrode for hydrogen evolution under all pH values. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 11038-11046 | 6.7 | 53 |
| 108 | One-Step Nickel Foam Assisted Synthesis of Holey G-Carbon Nitride Nanosheets for Efficient Visible-Light Photocatalytic H Evolution. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 20521-20529 | 9.5 | 65 |
| 107 | An in situ photoelectroreduction approach to fabricate Bi/BiOCl heterostructure photocathodes: understanding the role of Bi metal for solar water splitting. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 4894-4903 | 13 | 81 |
| 106 | Fabrication of novel Z-scheme InVO ₄ /CdS heterojunctions with efficiently enhanced visible light photocatalytic activity. <i>CrystEngComm</i> , 2017 , 19, 982-993 | 3.3 | 32 |
| 105 | The Formation of Ti-H Species at Interface Is Lethal to the Efficiency of TiO ₂ -Based Dye-Sensitized Devices. <i>Journal of the American Chemical Society</i> , 2017 , 139, 2083-2089 | 16.4 | 41 |
| 104 | Construction and enhanced photocatalytic activities of a hydrogenated TiO ₂ nanobelt coated with CDs/MoS ₂ nanosheets. <i>RSC Advances</i> , 2017 , 7, 8429-8442 | 3.7 | 27 |
| 103 | A Nitrogen Doping Method for CoS ₂ Electrocatalysts with Enhanced Water Oxidation Performance. <i>ACS Catalysis</i> , 2017 , 7, 4214-4220 | 13.1 | 132 |
| 102 | Rational synthesis of ultrathin graphitic carbon nitride nanosheets for efficient photocatalytic hydrogen evolution. <i>Carbon</i> , 2017 , 121, 463-471 | 10.4 | 67 |
| 101 | Highly efficient visible-light-driven photocatalytic degradation of tetracycline by a Z-scheme g-CN/BiTaO nanocomposite photocatalyst. <i>Dalton Transactions</i> , 2017 , 46, 8431-8438 | 4.3 | 69 |

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| 100 | Inhomogeneous distribution of platinum and ionomer in the porous cathode to maximize the performance of a PEM fuel cell. <i>AIChE Journal</i> , 2017 , 63, 4895-4910 | 3.6 | 21 |
| 99 | Controllable TiO ₂ heterostructure with carbon hybrid materials for enhanced photoelectrochemical performance. <i>New Journal of Chemistry</i> , 2017 , 41, 3460-3465 | 3.6 | 8 |
| 98 | CdIn ₂ S ₄ /g-C ₃ N ₄ heterojunction photocatalysts: enhanced photocatalytic performance and charge transfer mechanism. <i>RSC Advances</i> , 2017 , 7, 231-237 | 3.7 | 44 |
| 97 | A visible-light-driven heterojunction for enhanced photocatalytic water splitting over Ta ₂ O ₅ modified g-C ₃ N ₄ photocatalyst. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 6738-6745 | 6.7 | 104 |
| 96 | Enhanced photoelectrochemical water oxidation performance of a hematite photoanode by decorating with Au-Pt core-shell nanoparticles. <i>Dalton Transactions</i> , 2017 , 46, 16050-16057 | 4.3 | 29 |
| 95 | Fabrication of stable photoanode built from ZnO nanosheets in situ decorated with carbon film. <i>Functional Materials Letters</i> , 2017 , 10, 1750068 | 1.2 | 4 |
| 94 | Hexagonal prism-like hierarchical Co ₉ S ₈ @Ni(OH) ₂ core-shell nanotubes on carbon fibers for high-performance asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 22782-22789 | 13 | 111 |
| 93 | One-step syntheses of MoS ₂ /graphitic carbon composites with enhanced photocatalytic activity under visible light irradiation. <i>New Journal of Chemistry</i> , 2017 , 41, 14171-14178 | 3.6 | 8 |
| 92 | Synthesis of Direct Z-Scheme MnWO ₄ /g-C ₃ N ₄ Photocatalyst with Enhanced Visible Light Photocatalytic Activity. <i>Nano</i> , 2017 , 12, 1750129 | 1.1 | 9 |
| 91 | Precisely tunable thickness of graphitic carbon nitride nanosheets for visible-light-driven photocatalytic hydrogen evolution. <i>Nanoscale</i> , 2017 , 9, 14103-14110 | 7.7 | 72 |
| 90 | Facile synthesis of CdS/BiVO ₄ photocatalysts with enhanced visible-light photocatalytic activity for degradation of organic pollutants in water. <i>Dalton Transactions</i> , 2017 , 46, 12675-12682 | 4.3 | 41 |
| 89 | Tuning electronic structures of Sc ₂ CO ₂ /MoS ₂ polar/nonpolar van der Waals heterojunctions: interplay of internal and external electric fields. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 8128-8134 | 7.1 | 3 |
| 88 | Nitrogen doped NiS ₂ nanoarrays with enhanced electrocatalytic activity for water oxidation. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 17811-17816 | 13 | 51 |
| 87 | Characterization and photocatalytic activity of Bi ₃ TaO ₇ prepared by hydrothermal method. <i>Journal of Solid State Chemistry</i> , 2017 , 256, 203-212 | 3.3 | 18 |
| 86 | Facile Preparation of Bi ₂₄ O ₃₁ Cl ₁₀ Nanosheets for Visible-Light-Driven Photocatalytic Degradation of Tetracycline Hydrochloride. <i>Catalysis Letters</i> , 2017 , 147, 2167-2172 | 2.8 | 21 |
| 85 | Thermally stable Ir/Ce _{0.9} La _{0.1} O ₂ catalyst for high temperature methane dry reforming reaction. <i>Nano Research</i> , 2017 , 10, 364-380 | 10 | 45 |
| 84 | Hydrogen peroxide sensing using Cu ₂ O nanocubes decorated by Ag-Au alloy nanoparticles. <i>Journal of Alloys and Compounds</i> , 2017 , 690, 1-7 | 5.7 | 53 |
| 83 | Fabrication of nitrogen doped graphene quantum dots-BiOI/MnNb ₂ O ₆ p-n junction photocatalysts with enhanced visible light efficiency in photocatalytic degradation of antibiotics. <i>Applied Catalysis B: Environmental</i> , 2017 , 202, 518-527 | 21.8 | 216 |

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