

# Jun Pan

## List of Publications by Year in descending order

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70  
papers

3,513  
citations

109264

35  
h-index

138417

58  
g-index

70  
all docs

70  
docs citations

70  
times ranked

4313  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Photocorrosion inhibition and high-efficiency photoactivity of porous g-C <sub>3</sub> N <sub>4</sub> /Ag <sub>2</sub> CrO <sub>4</sub> composites by simple microemulsion-assisted co-precipitation method. <i>Applied Catalysis B: Environmental</i> , 2017, 204, 78-88. | 10.8 | 170       |
| 2  | CTAB-assisted synthesis of novel ultrathin MoSe <sub>2</sub> nanosheets perpendicular to graphene for the adsorption and photodegradation of organic dyes under visible light. <i>Nanoscale</i> , 2016, 8, 440-450.  | 2.8  | 163       |
| 3  | Unveiling Role of Sulfate Ion in Nickel-Iron (oxy)Hydroxide with Enhanced Oxygen-Evolving Performance. <i>Advanced Functional Materials</i> , 2021, 31, 2102772.   | 7.8  | 158       |
| 4  | Hierarchical flower-like SnSe <sub>2</sub> supported Ag <sub>3</sub> PO <sub>4</sub> nanoparticles: Towards visible light driven photocatalyst with enhanced performance. <i>Applied Catalysis B: Environmental</i> , 2017, 202, 326-334.                                  | 10.8 | 154       |
| 5  | Enhanced performance of doped BiOCl nanoplates for photocatalysis: understanding from doping insight into improved spatial carrier separation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 12542-12549.   | 5.2  | 138       |
| 6  | In situ construction of an SnO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> heterojunction for enhanced visible-light photocatalytic activity. <i>RSC Advances</i> , 2015, 5, 68953-68963.  | 1.7  | 123       |
| 7  | Insights into the synergy effect of anisotropic {001} and {230} facets of BaTiO <sub>3</sub> nanocubes sensitized with CdSe quantum dots for photocatalytic water reduction. <i>Applied Catalysis B: Environmental</i> , 2018, 227, 1-12.                                  | 10.8 | 116       |
| 8  | Construction of Z-Scheme System for Enhanced Photocatalytic H <sub>2</sub> Evolution Based on CdS Quantum Dots/CeO <sub>2</sub> Nanorods Heterojunction. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 2552-2562.  | 3.2  | 105       |
| 9  | Constructing 2D BiOCl/C <sub>3</sub> N <sub>4</sub> layered composite with large contact surface for visible-light-driven photocatalytic degradation. <i>Applied Surface Science</i> , 2017, 426, 897-905.   | 3.1  | 95        |
| 10 | Rational Design of Z-Scheme System Based on 3D Hierarchical CdS Supported OD Co <sub>9</sub> S <sub>8</sub> Nanoparticles for Superior Photocatalytic H <sub>2</sub> Generation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 10385-10394.                  | 3.2  | 95        |
| 11 | A green and facile strategy for preparation of novel and stable Cr-doped SrTiO <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> hybrid nanocomposites with enhanced visible light photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2015, 647, 456-462.       | 2.8  | 91        |
| 12 | Constructing a direct Z-scheme photocatalytic system based on 2D/2D WO <sub>3</sub> /ZnIn <sub>2</sub> S <sub>4</sub> nanocomposite for efficient hydrogen evolution under visible light. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 929-939.                         | 3.0  | 88        |
| 13 | Dynamic dissolution and re-adsorption of molybdate ion in iron incorporated nickel-molybdenum oxyhydroxide for promoting oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2022, 307, 121150.   | 10.8 | 88        |
| 14 | Layered-Structure SbPO <sub>4</sub> /Reduced Graphene Oxide: An Advanced Anode Material for Sodium Ion Batteries. <i>ACS Nano</i> , 2018, 12, 12869-12878.   | 7.3  | 87        |
| 15 | SnP <sub>2</sub> O <sub>7</sub> Covered Carbon Nanosheets as a Long-Life and High-Rate Anode Material for Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1804672.  | 7.8  | 84        |
| 16 | Iron-nitrogen-carbon species for oxygen electro-reduction and Zn-air battery: Surface engineering and experimental probe into active sites. <i>Applied Catalysis B: Environmental</i> , 2019, 254, 601-611.  | 10.8 | 78        |
| 17 | Facile fabrication of novel porous graphitic carbon nitride/copper sulfide nanocomposites with enhanced visible light driven photocatalytic performance. <i>Journal of Colloid and Interface Science</i> , 2016, 476, 132-143.   | 5.0  | 74        |
| 18 | Manganese oxide at cadmium sulfide (MnOx@CdS) shells encapsulated with graphene: A spatially separated photocatalytic system towards superior hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2019, 533, 452-462.                                    | 5.0  | 72        |

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|----|---|------|-----------|
| 19 | Achieving electronic structure reconfiguration in metallic carbides for robust electrochemical water splitting. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2453-2462.   | 5.2  | 71        |
| 20 | Composition-tunable Vertically Aligned CdS <sub>1-x</sub> Se <sub>x</sub> Nanowire Arrays via van der Waals Epitaxy: Investigation of Optical Properties and Photocatalytic Behavior. <i>Advanced Materials</i> , 2012, 24, 4151-4156.              | 11.1 | 69        |
| 21 | Facet and morphology dependent photocatalytic hydrogen evolution with CdS nanoflowers using a novel mixed solvothermal strategy. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 222-230.  | 5.0  | 62        |
| 22 | One-Dimensional SnO <sub>2</sub> Nanostructures: Synthesis and Applications. <i>Journal of Nanotechnology</i> , 2012, 2012, 1-12.   | 1.5  | 60        |
| 23 | Self-integrated $\text{I}^2\text{-Bi}_2\text{O}_3/\text{Bi}_2\text{O}_2\text{CO}_3$ ternary composites: Formation mechanism and visible light photocatalytic activity. <i>Applied Surface Science</i> , 2018, 430, 613-624.                         | 3.1  | 60        |
| 24 | Phase Transformation Synthesis of Strontium Tantalum Oxynitride-Based Heterojunction for Improved Visible Light-Driven Hydrogen Evolution. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 21328-21334.                                   | 4.0  | 55        |
| 25 | Simple and facile ultrasound-assisted fabrication of Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> composites with excellent photoactivity. <i>Journal of Colloid and Interface Science</i> , 2017, 497, 144-154. | 5.0  | 53        |
| 26 | C-S bond induced ultrafine SnS <sub>2</sub> dot/porous g-C <sub>3</sub> N <sub>4</sub> sheet OD/2D heterojunction: synthesis and photocatalytic mechanism investigation. <i>Dalton Transactions</i> , 2017, 46, 17032-17040.                        | 1.6  | 50        |
| 27 | Enhanced visible-light photocatalytic degradation by Mn <sub>3</sub> O <sub>4</sub> /CeO <sub>2</sub> heterojunction: a Z-scheme system photocatalyst. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2579-2586.                                   | 3.0  | 50        |
| 28 | Rational design and preparation of few-layered MoSe <sub>2</sub> nanosheet@C/TiO <sub>2</sub> nanobelt heterostructures with superior lithium storage performance. <i>RSC Advances</i> , 2016, 6, 23161-23168.                                      | 1.7  | 47        |
| 29 | Synergetic utilization of photoabsorption and surface facet in crystalline/amorphous contacted BiOCl-Bi <sub>2</sub> S <sub>3</sub> composite for photocatalytic degradation. <i>Journal of Alloys and Compounds</i> , 2019, 780, 907-916.          | 2.8  | 46        |
| 30 | Prussian blue analogue-derived Mn-Fe oxide nanocubes with controllable crystal structure and crystallinity as highly efficient OER electrocatalysts. <i>Journal of Alloys and Compounds</i> , 2020, 820, 153438.                                    | 2.8  | 45        |
| 31 | Copper-nickel embedded into a nitrogen-doped carbon octahedron as an effective bifunctional electrocatalyst. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2276-2283.   | 3.0  | 42        |
| 32 | Interfaces of graphitic carbon nitride-based composite photocatalysts. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 4754-4793.   | 3.0  | 41        |
| 33 | Interface engineering in CeO <sub>2</sub> (1 1 1) facets decorated with CdSe quantum dots for photocatalytic hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2020, 579, 707-713.  | 5.0  | 41        |
| 34 | Voltage-Modulated Structure Stress for Enhanced Electrochemical Performances: The Case of $\frac{1}{4}$ -Sn in Sodium-Ion Batteries. <i>Nano Letters</i> , 2021, 21, 3588-3595.   | 4.5  | 38        |
| 35 | Boosting charge transfer via molybdenum doping and electric-field effect in bismuth tungstate: Density function theory calculation and potential applications. <i>Journal of Colloid and Interface Science</i> , 2019, 534, 20-30.                  | 5.0  | 36        |
| 36 | Effect of sodium doping on the structure and enhanced photocatalytic hydrogen evolution performance of graphitic carbon nitride. <i>Molecular Catalysis</i> , 2017, 433, 128-135.   | 1.0  | 35        |

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|----|--|-----|-----------|
| 37 | Intimate contacted two-dimensional/zero-dimensional composite of bismuth titanate nanosheets supported ultrafine bismuth oxychloride nanoparticles for enhanced antibiotic residue degradation. <i>Journal of Colloid and Interface Science</i> , 2018, 529, 23-33.                          | 5.0 | 35        |
| 38 | Fabrication of bismuth titanate nanosheets with tunable crystal facets for photocatalytic degradation of antibiotic. <i>Journal of Materials Science</i> , 2019, 54, 13740-13752.  | 1.7 | 35        |
| 39 | Insight into the amorphous nickel-iron (oxy)hydroxide catalyst for efficient oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2021, 591, 307-313.  | 5.0 | 34        |
| 40 | Multiple active components, synergistically driven cobalt and nitrogen Co-doped porous carbon as high-performance oxygen reduction electrocatalyst. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1748-1756.   | 3.0 | 32        |
| 41 | Insights into the efficient charge separation and transfer efficiency of La,Cr-codoped SrTiO <sub>3</sub> modified with CoP as a noble-metal-free co-catalyst for superior visible-light driven photocatalytic hydrogen generation. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 679-686. | 3.0 | 31        |
| 42 | Self-assemble SnO <sub>2</sub> @TiO <sub>2</sub> porous nanowire/nanosheet heterostructures for enhanced photocatalytic property. <i>CrystEngComm</i> , 2014, 16, 10863-10869.   | 1.3 | 29        |
| 43 | In situ formation of carbon encapsulated nanosheet-assembled MoSe <sub>2</sub> hollow nanospheres with boosting lithium storage. <i>Journal of Colloid and Interface Science</i> , 2017, 491, 279-285.   | 5.0 | 29        |
| 44 | Sulphur and nitrogen dual-doped mesoporous carbon hybrid coupling with graphite coated cobalt and cobalt sulfide nanoparticles: Rational synthesis and advanced multifunctional electrochemical properties. <i>Journal of Colloid and Interface Science</i> , 2018, 509, 254-264.            | 5.0 | 29        |
| 45 | Construction of two dimensional Sr <sub>2</sub> Ta <sub>2</sub> O <sub>7</sub> /S-doped g-C <sub>3</sub> N <sub>4</sub> nanocomposites with Pt cocatalyst for enhanced visible light photocatalytic performance. <i>Applied Surface Science</i> , 2019, 478, 334-340.                        | 3.1 | 28        |
| 46 | Well-organized migration of electrons for enhanced hydrogen evolution: Integration of 2D MoS <sub>2</sub> nanosheets with plasmonic photocatalyst by a facile ultrasonic chemical method. <i>Journal of Colloid and Interface Science</i> , 2017, 508, 559-566.                              | 5.0 | 27        |
| 47 | Boosted electrocatalytic activity of nitrogen-doped porous carbon triggered by oxygen functional groups. <i>Journal of Colloid and Interface Science</i> , 2019, 541, 133-142.   | 5.0 | 23        |
| 48 | Ultrafast interfacial charge evolution of the Type-II cadmium Sulfide/Molybdenum disulfide heterostructure for photocatalytic hydrogen production. <i>Journal of Colloid and Interface Science</i> , 2022, 619, 246-256.   | 5.0 | 23        |
| 49 | Crystalline Sb or Bi in amorphous Ti-based oxides as anode materials for sodium storage. <i>Chemical Engineering Journal</i> , 2020, 380, 122624.  | 6.6 | 22        |
| 50 | Shape-dependent hydrogen generation performance of PtPd bimetallic co-catalyst coupled with C <sub>3</sub> N <sub>4</sub> photocatalyst. <i>Rare Metals</i> , 2021, 40, 3554-3560.   | 3.6 | 20        |
| 51 | One-pot nitridation route synthesis of SrTaO <sub>2</sub> N/Ta <sub>3</sub> N <sub>5</sub> type II heterostructure with enhanced visible-light photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2019, 554, 74-79.  | 5.0 | 19        |
| 52 | Improved photocatalytic hydrogen evolution by facet engineering of core-shell structural CdS@ZnO. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 25599-25606.   | 3.8 | 17        |
| 53 | A Novel Metal-Organic Framework Intermediated Synthesis of Heterogeneous Co <sub>2</sub> /CoS Porous Nanosheets for Enhanced Oxygen Evolution Reaction. <i>Energy Technology</i> , 2021, 9, 2000961.   | 1.8 | 17        |
| 54 | Novel two-dimensional Bi <sub>4</sub> V <sub>2</sub> O <sub>11</sub> nanosheets: controllable synthesis, characterization and insight into the band structure. <i>CrystEngComm</i> , 2018, 20, 1116-1122.  | 1.3 | 16        |

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|----|---|-----|-----------|
| 55 | Efficient hydrogen generation of indium doped BaTiO <sub>3</sub> decorated with CdSe quantum dots: Novel understanding of the effect of doping strategy. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 1627-1639.                               | 3.8 | 16        |
| 56 | One-step chemical bath co-precipitation method to prepare high hydrogen-producing active Zn <sub>x</sub> Cd <sub>1-x</sub> S solid solution with adjustable band structure. <i>Journal of Materials Science</i> , 2021, 56, 5717-5729.                        | 1.7 | 14        |
| 57 | Abundant hydroxyl groups decorated on nitrogen vacancy-embedded g-C <sub>3</sub> N <sub>4</sub> with efficient photocatalytic hydrogen evolution performance. <i>Catalysis Science and Technology</i> , 2021, 11, 3914-3924.                                  | 2.1 | 14        |
| 58 | Ion-biosorption induced core-shell Fe <sub>2</sub> P@carbon nanoparticles decorated on N, P co-doped carbon materials for the oxygen evolution reaction. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2385-2394.   | 3.0 | 14        |
| 59 | Investigating the active sites in molybdenum anchored nitrogen-doped carbon for alkaline oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2022, 609, 617-626.   | 5.0 | 14        |
| 60 | Metal-organic framework-driven copper/carbon polyhedron: synthesis, characterization and the role of copper in electrochemistry properties. <i>Journal of Materials Science</i> , 2018, 53, 7755-7766.  | 1.7 | 13        |
| 61 | BODIPY modified g-C <sub>3</sub> N <sub>4</sub> as a highly efficient photocatalyst for degradation of Rhodamine B under visible light irradiation. <i>Journal of Solid State Chemistry</i> , 2018, 267, 22-27.   | 1.4 | 13        |
| 62 | Controlled preparation of hollow Zn <sub>0.3</sub> Cd <sub>0.7</sub> S nanospheres modified by NiS <sub>1.97</sub> nanosheets for superior photocatalytic hydrogen production. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 1-9.              | 5.0 | 13        |
| 63 | Construction of S-scheme BiOCl/CdS composite for enhanced photocatalytic degradation of antibiotic. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 13303-13315.  | 1.1 | 13        |
| 64 | Highly efficient adsorption/photodegradation of organic pollutants using Sn <sub>1-0.25</sub> Cu <sub>x</sub> S <sub>2</sub> flower-like as a novel photocatalyst. <i>Journal of Alloys and Compounds</i> , 2017, 702, 489-498.                               | 2.8 | 9         |
| 65 | Electrostatic self-assembly of 2D/2D Bi <sub>2</sub> WO <sub>6</sub> /ZnIn <sub>2</sub> S <sub>4</sub> heterojunction with enhanced photocatalytic degradation of tetracycline hydrochloride. <i>Journal of Solid State Chemistry</i> , 2022, 314, 123408.    | 1.4 | 9         |
| 66 | Sodium borohydride-assisted synthesis of strontium substituted lanthanum cobaltate with in-situ generated cobaltic oxide: Towards enhanced oxygen evolution reaction in alkaline media. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 103-111. | 5.0 | 8         |
| 67 | In situ synthesis of cubic PtPd bimetallic co-catalyst on C <sub>3</sub> N <sub>4</sub> nanosheets for photocatalytic hydrogen generation. <i>Journal of Nanoparticle Research</i> , 2021, 23, 1.   | 0.8 | 6         |
| 68 | Ru-optimized geometric sites of cations in CoFe/CoFe <sub>2</sub> O <sub>4</sub> electrocatalysts with graphitic carbon shells for boosting water oxidation. <i>Electrochimica Acta</i> , 2022, 425, 140665.  | 2.6 | 6         |
| 69 | The In-situ Growth of Ru Modified CoP Nanoflakes on Carbon Clothes as Efficient Electrocatalysts for HER**. <i>ChemElectroChem</i> , 2022, 9, .   | 1.7 | 3         |
| 70 | Rational design of 0D/3D Sn <sub>3</sub> O <sub>4</sub> /NiS nanocomposites for enhanced photocatalytic hydrogen generation. <i>New Journal of Chemistry</i> , 2022, 46, 14043-14051.   | 1.4 | 2         |