

Xiaoli Dong

List of Publications by Year in descending order

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87
papers

2,464
citations

159358

30
h-index

233125

45
g-index

88
all docs

88
docs citations

88
times ranked

2897
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Fabrication of In ₂ O ₃ /In ₂ S ₃ microsphere heterostructures for efficient and stable photocatalytic nitrogen fixation. <i>Applied Catalysis B: Environmental</i> , 2019, 257, 117932. | 10.8 | 193 |
| 2 | Hydrogenated Bismuth Molybdate Nanoframe for Efficient Sunlight-Driven Nitrogen Fixation from Air. <i>Chemistry - A European Journal</i> , 2016, 22, 18722-18728. | 1.7 | 92 |
| 3 | Graphitic Carbon Nitride with Carbon Vacancies for Photocatalytic Degradation of Bisphenol A. <i>ACS Applied Nano Materials</i> , 2019, 2, 517-524. | 2.4 | 92 |
| 4 | Activation of peroxymonosulfate by CoFe ₂ O ₄ loaded on metal-organic framework for the degradation of organic dye. <i>Chemosphere</i> , 2020, 241, 125021. | 4.2 | 84 |
| 5 | Synthesis of visible-light responsive Sn-SnO ₂ /C photocatalyst by simple carbothermal reduction. <i>Energy and Environmental Science</i> , 2011, 4, 3067. | 15.6 | 79 |
| 6 | Enhanced peroxymonosulfate activation on dual active sites of N vacancy modified g-C ₃ N ₄ under visible-light assistance and its selective removal of organic pollutants. <i>Science of the Total Environment</i> , 2021, 756, 144139. | 3.9 | 74 |
| 7 | Controllable electrostatic self-assembly of sub-3 nm graphene quantum dots incorporated into mesoporous Bi ₂ MoO ₆ frameworks: efficient physical and chemical simultaneous co-catalysis for photocatalytic oxidation. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8298-8307. | 5.2 | 71 |
| 8 | Controllable self-assembly of a novel Bi ₂ MoO ₆ -based hybrid photocatalyst: excellent photocatalytic activity under UV, visible and near-infrared irradiation. <i>Chemical Communications</i> , 2016, 52, 6525-6528. | 2.2 | 62 |
| 9 | Bi-modified 3D BiOBr microsphere with oxygen vacancies for efficient visible-light photocatalytic performance. <i>Journal of Materials Science</i> , 2019, 54, 9397-9413. | 1.7 | 61 |
| 10 | Molybdenum disulfide with enlarged interlayer spacing decorated on reduced graphene oxide for efficient electrocatalytic hydrogen evolution. <i>Journal of Materials Science</i> , 2020, 55, 6637-6647. | 1.7 | 59 |
| 11 | Synthesis, characterization and photocatalytic activity of Cu-doped Zn/ZnO photocatalyst with carbon modification. <i>Journal of Materials Chemistry</i> , 2012, 22, 23780. | 6.7 | 56 |
| 12 | Indium sulfide nanotubes with sulfur vacancies as an efficient photocatalyst for nitrogen fixation. <i>RSC Advances</i> , 2019, 9, 21646-21652. | 1.7 | 56 |
| 13 | Synthesis of plasmonic bismuth metal deposited InVO ₄ nanosheets for enhancing solar light-driven photocatalytic nitrogen fixation. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1855-1862. | 2.5 | 55 |
| 14 | Fabrication of PbO ₂ tipped Co ₃ O ₄ nanowires for efficient photoelectrochemical decolorization of dye (reactive brilliant blue KN-R) wastewater. <i>Solar Energy Materials and Solar Cells</i> , 2019, 191, 381-388. | 3.0 | 51 |
| 15 | Green and controllable synthesis of one-dimensional Bi ₂ O ₃ /BiOI heterojunction for highly efficient visible-light-driven photocatalytic reduction of Cr(VI). <i>Chemosphere</i> , 2020, 257, 127210. | 4.2 | 47 |
| 16 | Synthesis of Zeolite of Type A from Bentonite by Alkali Fusion Activation Using Na ₂ CO ₃ . <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 454-458. | 1.8 | 45 |
| 17 | In situ plasmonic Bi grown on I ⁻ doped Bi ₂ WO ₆ for enhanced visible-light-driven photocatalysis to mineralize diverse refractory organic pollutants. <i>Separation and Purification Technology</i> , 2020, 250, 117119. | 3.9 | 45 |
| 18 | Highly ordered mesoporous BiVO ₄ : Controllable ordering degree and super photocatalytic ability under visible light. <i>Microporous and Mesoporous Materials</i> , 2013, 173, 175-180. | 2.2 | 41 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Improved Electrical and Mechanical Properties for the Reduced Graphene Oxide-Decorated Polymer Nanofiber Composite with a Core-Shell Structure. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 15470-15478. | 1.8 | 41 |
| 20 | Enhancement of the electrocatalytic oxidation of dyeing wastewater (reactive brilliant blue KN-R) over the Ce-modified Ti-PbO ₂ electrode with surface hydrophobicity. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 847-859. | 1.2 | 40 |
| 21 | Ultra-thin C ₃ N ₄ nanosheets for rapid charge transfer in the core-shell heterojunction of I ₂ -sulfur@C ₃ N ₄ for superior metal-free photocatalysis under visible light. <i>RSC Advances</i> , 2015, 5, 15052-15058. | 1.7 | 39 |
| 22 | Efficient photocatalytic dye degradation over Er-doped BiOBr hollow microspheres wrapped with graphene nanosheets: enhanced solar energy harvesting and charge separation. <i>RSC Advances</i> , 2017, 7, 22415-22423. | 1.7 | 39 |
| 23 | A novel supramolecular preorganization route for improving g-C ₃ N ₄ /g-C ₃ N ₄ metal-free homojunction photocatalysis. <i>New Journal of Chemistry</i> , 2017, 41, 11872-11880. | 1.4 | 37 |
| 24 | Efficient solar-driven conversion of nitrogen to ammonia in pure water via hydrogenated bismuth oxybromide. <i>RSC Advances</i> , 2018, 8, 21871-21878. | 1.7 | 37 |
| 25 | Bismuth-rich bismuth oxyiodide microspheres with abundant oxygen vacancies as an efficient photocatalyst for nitrogen fixation. <i>Dalton Transactions</i> , 2020, 49, 9123-9129. | 1.6 | 37 |
| 26 | Flexible Carboxylated CNT/PA66 Nanofibrous Mat Interleaved Carbon Fiber/Epoxy Laminates with Improved Interlaminar Fracture Toughness and Flexural Properties. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 1151-1158. | 1.8 | 37 |
| 27 | Engineering Cationic Sulfur-Doped Co ₃ O ₄ Architectures with Exposing High-Reactive (112) Facets for Photoelectrocatalytic Water Purification. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 8405-8416. | 4.0 | 37 |
| 28 | Enhanced activation of peroxymonosulfate by nitrogen-doped graphene/TiO ₂ under photo-assistance for organic pollutants degradation: Insight into N doping mechanism. <i>Chemosphere</i> , 2020, 244, 125526. | 4.2 | 35 |
| 29 | Carbon quantum dots decorated BiVO ₄ quantum tube with enhanced photocatalytic performance for efficient degradation of organic pollutants under visible and near-infrared light. <i>Journal of Materials Science</i> , 2019, 54, 6488-6499. | 1.7 | 34 |
| 30 | Confining peroxymonosulfate activation in carbon nanotube intercalated nitrogen doped reduced graphene oxide membrane for enhanced water treatment: The role of nanoconfinement effect. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 2740-2751. | 5.0 | 32 |
| 31 | Black TiO ₂ nanotube arrays fabricated by electrochemical self-doping and their photoelectrochemical performance. <i>RSC Advances</i> , 2018, 8, 18992-19000. | 1.7 | 31 |
| 32 | Preparation of I ₂ -Bi ₂ O ₃ /g-C ₃ N ₄ nanosheet p-n junction for enhanced photocatalytic ability under visible light illumination. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1. | 0.8 | 30 |
| 33 | Ag nanoparticles deposited on oxygen-vacancy-containing BiVO ₄ for enhanced near-infrared photocatalytic activity. <i>Chinese Journal of Catalysis</i> , 2018, 39, 128-137. | 6.9 | 27 |
| 34 | One-step in-situ synthesis of Bi-decorated BiOBr microspheres with abundant oxygen vacancies for enhanced photocatalytic nitrogen fixation properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 623, 126744. | 2.3 | 27 |
| 35 | Photoelectrocatalytic performance of conductive carbon black-modified Ti/F-PbO ₂ anode for degradation of dye wastewater (reactive brilliant blue KN-R). <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 1131-1141. | 1.2 | 24 |
| 36 | Photonic crystal coupled porous BiVO ₄ hybrid for efficient photocatalysis under visible light irradiation. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17366-17370. | 5.2 | 23 |

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|----|--|-----|-----------|
| 37 | One-pot synthesis of SnS ₂ /In ₂ S ₃ heterostructures for efficient photocatalysis. Applied Surface Science, 2022, 579, 152088. | 3.1 | 23 |
| 38 | Controllable fabrication of sulfur-vacancy-rich Bi ₂ S ₃ nanorods with efficient near-infrared light photocatalytic for nitrogen fixation. Applied Surface Science, 2022, 591, 153205. | 3.1 | 23 |
| 39 | Synthesis and properties of magnetically separable Fe ₃ O ₄ /TiO ₂ /Bi ₂ O ₃ photocatalysts. Research on Chemical Intermediates, 2014, 40, 2953-2961. | 1.3 | 21 |
| 40 | Synthesis and enhanced photoreactivity of metallic Bi-decorated BiOBr composites with abundant oxygen vacancies. Journal of Materials Science: Materials in Electronics, 2015, 26, 10002-10011. | 1.1 | 21 |
| 41 | Towards understanding the photocatalytic activity enhancement of ordered mesoporous Bi ₂ Mo ₆ crystals prepared via a novel vacuum-assisted nanocasting method. RSC Advances, 2016, 6, 35709-35718. | 1.7 | 21 |
| 42 | Highly Enhanced Photoelectrocatalytic Oxidation via Cooperative Effect of Neighboring Two Different Metal Oxides for Water Purification. Journal of Physical Chemistry C, 2020, 124, 11525-11535. | 1.5 | 21 |
| 43 | Application of flexible PAN/BiOBr-Cl microfibers as self-supporting and highly active photocatalysts for nitrogen fixation and dye degradation. Applied Surface Science, 2022, 575, 151743. | 3.1 | 21 |
| 44 | Hydrothermal carbonation carbon-based photocatalysis under visible light: Modification for enhanced removal of organic pollutant and novel insight into the photocatalytic mechanism. Journal of Hazardous Materials, 2022, 426, 127821. | 6.5 | 20 |
| 45 | Synthesis and catalytic performance of hierarchical TiO ₂ hollow sphere/reduced graphene oxide hybrid nanostructures. Journal of Alloys and Compounds, 2016, 656, 181-188. | 2.8 | 19 |
| 46 | Controlling the up-conversion photoluminescence property of carbon quantum dots (CQDs) by modifying its surface functional groups for enhanced photocatalytic performance of CQDs/BiVO ₄ under a broad-spectrum irradiation. Research on Chemical Intermediates, 2021, 47, 3469-3485. | 1.3 | 18 |
| 47 | Facile construction of a hierarchical Bi@BiOBr/Bi ₂ Mo ₆ ternary heterojunction with abundant oxygen vacancies for excellent photocatalytic nitrogen fixation. Sustainable Energy and Fuels, 2021, 5, 2927-2933. | 2.5 | 18 |
| 48 | Construction of Au@TiO ₂ /graphene nanocomposites with plasmonic effect and super adsorption ability for enhanced visible-light-driven photocatalytic organic pollutant degradation. Journal of Nanoparticle Research, 2014, 16, 1. | 0.8 | 17 |
| 49 | Preparation of BiOBr by solvothermal routes with different solvents and their photocatalytic activity. Journal of Renewable and Sustainable Energy, 2015, 7, 063120. | 0.8 | 17 |
| 50 | Structuring porous "sponge-like" BiVO ₄ film for efficient photocatalysis under visible light illumination. Journal of Colloid and Interface Science, 2013, 393, 126-129. | 5.0 | 16 |
| 51 | Interfacial defect engineering over fusiform bismuth vanadate photocatalyst enables to excellent solar-to-chemical energy coupling. RSC Advances, 2017, 7, 26717-26721. | 1.7 | 16 |
| 52 | Study on the fabrication and photoelectrochemical performance of the F [•] -doped Ti/Co ₃ O ₄ electrodes with n-type semiconductor characteristics. Journal of Solid State Electrochemistry, 2019, 23, 1767-1777. | 1.2 | 16 |
| 53 | Synthesis of a BiOCl _x Br _x @AgBr heterostructure with enhanced photocatalytic activity under visible light. RSC Advances, 2018, 8, 16513-16520. | 1.7 | 15 |
| 54 | Fabrication of Ti/black TiO ₂ -PbO ₂ micro/nanostructures with tunable hydrophobic/hydrophilic characteristics and their photoelectrocatalytic performance. Journal of Solid State Electrochemistry, 2020, 24, 375-387. | 1.2 | 14 |

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|----|--|-----|-----------|
| 55 | Novel visible-light irradiation niobium-doped BiOBr microspheres with enhanced photocatalytic performance. <i>Journal of Materials Science</i> , 2020, 55, 16522-16532. | 1.7 | 14 |
| 56 | One-Pot Solvothermal Synthesis of Flower-Like S ²⁻ -Doped BiOCl for Enhanced Photocatalytic Property in Dye Degradation and Nitrogen Fixation. <i>ChemistrySelect</i> , 2021, 6, 5771-5777. | 0.7 | 14 |
| 57 | Ultrasonic synthesis and photocatalytic characterization of H ₃ PW ₁₂ O ₄₀ /TiO ₂ (anatase). <i>Ultrasonics Sonochemistry</i> , 2010, 17, 649-653. | 3.8 | 11 |
| 58 | Incorporation of graphene nanodots and oxygen defects triggers robust coupling between solar energy and reactive oxygen. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5426-5435. | 5.2 | 11 |
| 59 | Mesoporous Bi ₂ WO ₆ sheets synthesized via a sol-gel freeze-drying method with excellent photocatalytic performance. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 82, 101-108. | 1.1 | 11 |
| 60 | The controllable fabrication of a novel hierarchical nanosheet-assembled Bi ₂ MoO ₆ hollow micronbox with ultra-high surface area for excellent solar to chemical energy conversion. <i>RSC Advances</i> , 2017, 7, 50040-50043. | 1.7 | 11 |
| 61 | Fabrication and photo-electrocatalytic activity of black TiO ₂ embedded Ti/PbO ₂ electrode. <i>Journal of Applied Electrochemistry</i> , 2017, 47, 1045-1056. | 1.5 | 11 |
| 62 | Ultrathin-nanosheet-assembled Bi ₂ MoO ₆ mesoporous hollow framework for realizing optimized sunlight-driven photocatalytic water oxidation. <i>RSC Advances</i> , 2016, 6, 102155-102158. | 1.7 | 10 |
| 63 | Controllable Synthesis of MoS ₂ /Carbon Nanotube Hybrids with Enlarged Interlayer Spacings for Efficient Electrocatalytic Hydrogen Evolution. <i>ChemistrySelect</i> , 2020, 5, 13603-13608. | 0.7 | 10 |
| 64 | Graphene oxide-promoted Ti/PbO ₂ photoanode with photoelectric synergy effect for efficient photoelectrocatalytic degradation of reactive brilliant blue. <i>Journal of Materials Science</i> , 2021, 56, 4741-4752. | 1.7 | 10 |
| 65 | Hierarchical polyurethane/RGO/BiOI fiber composite as flexible, self-supporting and recyclable photocatalysts for RhB degradation under visible light. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 108, 109-117. | 2.9 | 10 |
| 66 | Preparation of Ni Doped ZnO-TiO ₂ Composites and Their Enhanced Photocatalytic Activity. <i>International Journal of Photoenergy</i> , 2014, 2014, 1-8. | 1.4 | 9 |
| 67 | The n heterojunction with porous BiVO ₄ framework and well-distributed Co ₃ O ₄ as a super visible-light-driven photocatalyst. <i>RSC Advances</i> , 2014, 4, 54655-54661. | 1.7 | 9 |
| 68 | Multilayered TiO ₂ @SnO ₂ hollow nanostructures: facile synthesis and enhanced photocatalytic performance. <i>RSC Advances</i> , 2014, 4, 59503-59507. | 1.7 | 9 |
| 69 | Conductive graphite nanoplatelets (GNPs)/polyethersulfone (PES) composites with inter-connective porous structure for chemical vapor sensing. <i>Composites Science and Technology</i> , 2019, 184, 107883. | 3.8 | 9 |
| 70 | Fabrication and photoelectrocatalytic performance of C ₃ N ₄ -modified Ti/PbO ₂ anode with surface hydrophobicity. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 1577-1585. | 1.2 | 9 |
| 71 | Consecutive metal oxides with self-supported nanoarchitecture achieves highly stable and enhanced photoelectrocatalytic oxidation for water purification. <i>Journal of Solid State Electrochemistry</i> , 2021, 25, 1083-1092. | 1.2 | 9 |
| 72 | N-Doping of Graphene Aerogel as a Multifunctional Air Cathode for Microbial Fuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 51312-51320. | 4.0 | 9 |

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|----|--|-----|-----------|
| 73 | Study of the sulfurized (BiO)2CO3 as efficient visible-light induced photocatalyst. Journal of Materials Science: Materials in Electronics, 2015, 26, 7882-7888. | 1.1 | 8 |
| 74 | Synthesis of a hydrophilic I^{\pm} -sulfur/PDA composite as a metal-free photocatalyst with enhanced photocatalytic performance under visible light. Journal of Macromolecular Science - Pure and Applied Chemistry, 2017, 54, 334-338. | 1.2 | 8 |
| 75 | Polyvinylidene fluoride effects on the electrocatalytic properties of air cathodes in microbial fuel cells. Bioelectrochemistry, 2018, 120, 138-144. | 2.4 | 8 |
| 76 | <i>In situ</i> fabrication of self-assembled BiOBr _x l ⁿ coated on carbon nanofibers for efficient solar light-driven photocatalytic nitrogen fixation. Sustainable Energy and Fuels, 2020, 4, 6196-6202. | 2.5 | 8 |
| 77 | Improved photocatalytic reactivity of ZnO photocatalysts decorated with Ni and their magnetic recoverability. Journal of Materials Research, 2015, 30, 1902-1913. | 1.2 | 6 |
| 78 | Improved Visible Light Photocatalytic Activity for TiO2Nanomaterials by Codoping with Zinc and Sulfur. Journal of Nanomaterials, 2015, 2015, 1-8. | 1.5 | 6 |
| 79 | Degradation of organic dye wastewater by H2O2-enhanced aluminum carbon micro-electrolysis. Environmental Science and Pollution Research, 2022, 29, 72586-72597. | 2.7 | 6 |
| 80 | Preparation and Photoelectrocatalytic Performance of Ti/PbO 2 Electrodes Modified with Ti 4 O 7. ChemistrySelect, 2018, 3, 5098-5105. | 0.7 | 4 |
| 81 | Preparation, Characterization and Photocatalytic Properties of BiPO ₄ Decorated with Ag/AgBr. Journal of Chemical Engineering of Japan, 2016, 49, 366-371. | 0.3 | 3 |
| 82 | The Role of Graphene Oxide in Ag3PO4/graphene Oxide Composites for Enhanced Visible-light-driven Photocatalytic Ability. Journal of Advanced Oxidation Technologies, 2016, 19, . | 0.5 | 3 |
| 83 | Influence of Bi2MoO6 decoration on the structure and photo-reactivity of (BiO)2CO3 photocatalyst. Journal of Materials Science: Materials in Electronics, 2016, 27, 4598-4606. | 1.1 | 3 |
| 84 | Bi doping into Ti/Co3O4 NWs (nanowires) for improved photoelectrochemical decolorization of dyeing wastewater (reactive brilliant blue KN-R). Journal of Materials Science: Materials in Electronics, 2020, 31, 9504-9513. | 1.1 | 3 |
| 85 | Preparation of Mesoporous BiVO4 for Efficient Photocatalytic Degradation of RhB Under Illuminated Visible Light. Journal of Advanced Oxidation Technologies, 2014, 17, . | 0.5 | 2 |
| 86 | Controllable Fabrication of Ordered Mesoporous Bi2WO6and Its High Photocatalytic Activity under Visible Light. International Journal of Photoenergy, 2014, 2014, 1-7. | 1.4 | 1 |
| 87 | Bi-doped TiO2 with Remarkably Enhanced Photocatalytic Activity Under Simulated Sunlight Induced by Increased Hydrophilicity and Light Absorption Ability. Journal of Advanced Oxidation Technologies, 2014, 17, . | 0.5 | 1 |