

# Rong Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7877559/publications.pdf>

Version: 2024-02-01

177  
papers

13,224  
citations

23500

58  
h-index

24915

109  
g-index

181  
all docs

181  
docs citations

181  
times ranked

16209  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Proteomic Analysis of the Mode of Antibacterial Action of Silver Nanoparticles. <i>Journal of Proteome Research</i> , 2006, 5, 916-924.  | 1.8  | 1,331     |
| 2  | Silver nanoparticles: partial oxidation and antibacterial activities. <i>Journal of Biological Inorganic Chemistry</i> , 2007, 12, 527-534.  | 1.1  | 1,303     |
| 3  | Silver Nanoparticles Inhibit Hepatitis B virus Replication. <i>Antiviral Therapy</i> , 2008, 13, 253-262.  | 0.6  | 489       |
| 4  | Silver nanoparticles fabricated in Hepes buffer exhibit cytoprotective activities toward HIV-1 infected cells. <i>Chemical Communications</i> , 2005, , 5059.  | 2.2  | 358       |
| 5  | Crystal Defect Engineering of Aurivillius $\text{Bi}_{2-x}\text{MoO}_6$ by Ce Doping for Increased Reactive Species Production in Photocatalysis. <i>ACS Catalysis</i> , 2016, 6, 3180-3192.   | 5.5  | 352       |
| 6  | Novel Asymmetric Wettable AgNPs/Chitosan Wound Dressing: In Vitro and In Vivo Evaluation. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 3958-3968.  | 4.0  | 335       |
| 7  | Well-crystallized square-like 2D $\text{BiOCl}$ nanoplates: mannitol-assisted hydrothermal synthesis and improved visible-light-driven photocatalytic performance. <i>RSC Advances</i> , 2011, 1, 1542.  | 1.7  | 319       |
| 8  | Size-dependent antibacterial activities of silver nanoparticles against oral anaerobic pathogenic bacteria. <i>Journal of Materials Science: Materials in Medicine</i> , 2013, 24, 1465-1471.  | 1.7  | 316       |
| 9  | Enhanced antibacterial and wound healing activities of microporous chitosan-Ag/ZnO composite dressing. <i>Carbohydrate Polymers</i> , 2017, 156, 460-469.  | 5.1  | 302       |
| 10 | Z-scheme $\text{BiO}_{1-x}\text{Br}/\text{Bi}_2\text{O}_2\text{CO}_3$ photocatalyst with rich oxygen vacancy as electron mediator for highly efficient degradation of antibiotics. <i>Applied Catalysis B: Environmental</i> , 2017, 205, 281-291. | 10.8 | 277       |
| 11 | Tuning the Composition of AuPt Bimetallic Nanoparticles for Antibacterial Application. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8127-8131.   | 7.2  | 208       |
| 12 | Tunable $\text{BiOCl}$ hierarchical nanostructures for high-efficient photocatalysis under visible light irradiation. <i>Chemical Engineering Journal</i> , 2013, 220, 228-236.  | 6.6  | 196       |
| 13 | A magnetic superhydrophilic/oleophobic sponge for continuous oil-water separation. <i>Chemical Engineering Journal</i> , 2017, 309, 366-373.   | 6.6  | 170       |
| 14 | Microwave synthesis of $\text{BiPO}_4$ nanostructures and their morphology-dependent photocatalytic performances. <i>Journal of Colloid and Interface Science</i> , 2011, 363, 497-503.  | 5.0  | 160       |
| 15 | Fabrication uniform hollow $\text{Bi}_2\text{S}_3$ nanospheres via Kirkendall effect for photocatalytic reduction of Cr(VI) in electroplating industry wastewater. <i>Journal of Hazardous Materials</i> , 2017, 340, 253-262.                     | 6.5  | 152       |
| 16 | Novel Preparation of Anatase $\text{TiO}_2$ @Reduced Graphene Oxide Hybrids for High-Performance Dye-Sensitized Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 6635-6642.   | 4.0  | 147       |
| 17 | Fabrication of bismuth subcarbonate nanotube arrays from bismuth citrate. <i>Chemical Communications</i> , 2006, , 2265.   | 2.2  | 143       |
| 18 | Facile template-free and fast refluxing synthesis of 3D desertrose-like $\text{BiOCl}$ nanoarchitectures with superior photocatalytic activity. <i>New Journal of Chemistry</i> , 2013, 37, 3207.  | 1.4  | 138       |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | g-C <sub>3</sub> N <sub>4</sub> surface-decorated Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> for improved photocatalytic performance: Theoretical calculation and photodegradation of antibiotics in actual water matrix. <i>Chemical Engineering Journal</i> , 2019, 366, 468-479. | 6.6  | 134       |
| 20 | Template-Free Fabrication of Bi <sub>2</sub> O <sub>3</sub> and (BiO) <sub>2</sub> CO <sub>3</sub> Nanotubes and Their Application in Water Treatment. <i>Chemistry - A European Journal</i> , 2012, 18, 16491-16497.   | 1.7  | 126       |
| 21 | Impact of post-processing modes of precursor on adsorption and photocatalytic capability of mesoporous TiO <sub>2</sub> nanocrystallite aggregates towards ciprofloxacin removal. <i>Chemical Engineering Journal</i> , 2018, 349, 1-16.  | 6.6  | 124       |
| 22 | Recyclable and biodegradable superhydrophobic and superoleophilic chitosan sponge for the effective removal of oily pollutants from water. <i>Chemical Engineering Journal</i> , 2017, 330, 423-432.  | 6.6  | 116       |
| 23 | Size-tunable fabrication of multifunctional Bi <sub>2</sub> O <sub>3</sub> porous nanospheres for photocatalysis, bacteria inactivation and template-synthesis. <i>Nanoscale</i> , 2014, 6, 5402.   | 2.8  | 115       |
| 24 | BiOX (X=Cl, Br, I) nanostructures: Mannitol-mediated microwave synthesis, visible light photocatalytic performance, and Cr(VI) removal capacity. <i>Journal of Colloid and Interface Science</i> , 2013, 409, 43-51.  | 5.0  | 112       |
| 25 | N-QDs accelerating surface charge transfer of Bi <sub>4</sub> O <sub>5</sub> I <sub>2</sub> hollow nanotubes with broad spectrum photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 1033-1043.   | 10.8 | 112       |
| 26 | A Review on Bismuth-Related Nanomaterials for Photocatalysis. <i>Reviews in Advanced Sciences and Engineering</i> , 2014, 3, 3-27.  | 0.6  | 108       |
| 27 | Time-dependent evolution of the Bi <sub>3.64</sub> Mo <sub>0.36</sub> O <sub>6.55</sub> /Bi <sub>2</sub> MoO <sub>6</sub> heterostructure for enhanced photocatalytic activity via the interfacial hole migration. <i>Nanoscale</i> , 2015, 7, 11991-11999.                             | 2.8  | 104       |
| 28 | Positive Ni(HCO <sub>3</sub> ) <sub>2</sub> as a Novel Cocatalyst for Boosting the Photocatalytic Hydrogen Evolution Capability of Mesoporous TiO <sub>2</sub> Nanocrystals. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 5027-5038.                                     | 3.2  | 98        |
| 29 | BiOCOOH hierarchical nanostructures: Shape-controlled solvothermal synthesis and photocatalytic degradation performances. <i>CrystEngComm</i> , 2011, 13, 2381.   | 1.3  | 91        |
| 30 | Highly Selective Antibacterial Activities of Silver Nanoparticles Against <i>Bacillus subtilis</i> . <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 6806-6813.  | 0.9  | 91        |
| 31 | Generation of defect clusters for <sup>1</sup> O <sub>2</sub> production for molecular oxygen activation in photocatalysis. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23453-23459.   | 5.2  | 87        |
| 32 | Highly selective oxidation of glycerol over Bi/Bi <sub>3.64</sub> Mo <sub>0.36</sub> O <sub>6.55</sub> heterostructure: Dual reaction pathways induced by photogenerated <sup>1</sup> O <sub>2</sub> and holes. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 206-214.         | 10.8 | 87        |
| 33 | One-step facile hydrothermal synthesis of flowerlike Ce/Fe bimetallic oxides for efficient As(V) and Cr(VI) remediation: Performance and mechanism. <i>Chemical Engineering Journal</i> , 2018, 343, 416-426.   | 6.6  | 86        |
| 34 | Monoclinic BiVO <sub>4</sub> micro-/nanostructures: Microwave and ultrasonic wave combined synthesis and their visible-light photocatalytic activities. <i>Journal of Alloys and Compounds</i> , 2013, 551, 544-550.  | 2.8  | 82        |
| 35 | Modification with Metallic Bismuth as Efficient Strategy for the Promotion of Photocatalysis: The Case of Bismuth Phosphate. <i>ChemSusChem</i> , 2016, 9, 1579-1585.   | 3.6  | 82        |
| 36 | Facilely anchoring Cu <sub>2</sub> O nanoparticles on mesoporous TiO <sub>2</sub> nanorods for enhanced photocatalytic CO <sub>2</sub> reduction through efficient charge transfer. <i>Chinese Chemical Letters</i> , 2022, 33, 3709-3712.  | 4.8  | 80        |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 37 | Shape-controlled solvothermal synthesis of bismuth subcarbonate nanomaterials. <i>Journal of Solid State Chemistry</i> , 2010, 183, 1878-1883.   | 1.4  | 78        |
| 38 | Highly efficient photocatalytic reduction of Cr(VI) by bismuth hollow nanospheres. <i>Catalysis Communications</i> , 2013, 42, 14-19.  | 1.6  | 78        |
| 39 | Promotion of peroxydisulfate activation over Cu <sub>0.84</sub> Bi <sub>2.08</sub> O <sub>4</sub> for visible light induced photodegradation of ciprofloxacin in water matrix. <i>Chemical Engineering Journal</i> , 2019, 356, 472-482.   | 6.6  | 78        |
| 40 | Î <sup>2</sup> -Bi <sub>2</sub> O <sub>3</sub> and Er <sup>3+</sup> doped Î <sup>2</sup> -Bi <sub>2</sub> O <sub>3</sub> single crystalline nanosheets with exposed reactive {001} facets and enhanced photocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2013, 140-141, 141-150. | 10.8 | 77        |
| 41 | Oxygen vacancies modulated Bi-rich bismuth oxyiodide microspheres with tunable valence band position to boost the photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2019, 533, 612-620.   | 5.0  | 77        |
| 42 | Porous biochar-supported MnFe <sub>2</sub> O <sub>4</sub> magnetic nanocomposite as an excellent adsorbent for simultaneous and effective removal of organic/inorganic arsenic from water. <i>Journal of Hazardous Materials</i> , 2021, 411, 124909.  | 6.5  | 77        |
| 43 | Facile inverse micelle fabrication of magnetic ordered mesoporous iron cerium bimetal oxides with excellent performance for arsenic removal from water. <i>Journal of Hazardous Materials</i> , 2020, 383, 121172.   | 6.5  | 76        |
| 44 | Fabrication of gold nanoparticles with different morphologies in HEPES buffer. <i>Rare Metals</i> , 2010, 29, 180-186.   | 3.6  | 74        |
| 45 | Enhanced adsorption and photocatalysis capability of generally synthesized TiO <sub>2</sub> -carbon materials hybrids. <i>Advanced Powder Technology</i> , 2016, 27, 1949-1962.  | 2.0  | 74        |
| 46 | Fe(III)-Modified BiOBr Hierarchitectures for Improved Photocatalytic Benzyl Alcohol Oxidation and Organic Pollutants Degradation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 5935-5943.  | 1.8  | 73        |
| 47 | Controlled synthesis of high crystalline bismuth sulfide nanorods: using bismuth citrate as a precursor. <i>Journal of Materials Chemistry</i> , 2005, 15, 4540.   | 6.7  | 72        |
| 48 | Pd-Mediated Synthesis of Ag <sub>33</sub> Chiral Nanocluster with Core-Shell Structure in T Point Group. <i>Journal of the American Chemical Society</i> , 2019, 141, 7107-7114.   | 6.6  | 71        |
| 49 | Facile Microwave Synthesis of 3D Flowerlike BiOBr Nanostructures and Their Excellent Cr(VI) Removal Capacity. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 2508-2513.  | 1.0  | 70        |
| 50 | Insights into Promoted Adsorption Capability of Layered BiOCl Nanostructures Decorated with TiO <sub>2</sub> Nanoparticles. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 7013-7022.   | 3.2  | 70        |
| 51 | Energy level mediation of (BiO) <sub>2</sub> CO <sub>3</sub> via Br doping for efficient molecular oxygen activation and ciprofloxacin photodegradation. <i>Applied Catalysis B: Environmental</i> , 2019, 258, 117966.  | 10.8 | 70        |
| 52 | Bismuth subcarbonate nanoparticles fabricated by water-in-oil microemulsion-assisted hydrothermal process exhibit anti- <i>Helicobacter pylori</i> properties. <i>Materials Research Bulletin</i> , 2010, 45, 654-658.   | 2.7  | 66        |
| 53 | Rhodamine B-sensitized BiOCl hierarchical nanostructure for methyl orange photodegradation. <i>RSC Advances</i> , 2016, 6, 7772-7779.  | 1.7  | 66        |
| 54 | Ionic liquid-employed synthesis of Bi <sub>2</sub> E <sub>3</sub> (E = S, Se, and Te) hierarchitectures: The case of Bi <sub>2</sub> S <sub>3</sub> with superior visible-light-driven Cr(VI) photoreduction capacity. <i>Chemical Engineering Journal</i> , 2017, 327, 371-386.                       | 6.6  | 64        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 55 | A Chiral [2]Catenane Precursor of the Antiarthritic Gold(I) Drug Auranofin. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 1621-1624.  | 7.2 | 63        |
| 56 | Facile template-free fabrication of iron manganese bimetal oxides nanospheres with excellent capability for heavy metals removal. <i>Journal of Colloid and Interface Science</i> , 2017, 486, 211-218.  | 5.0 | 62        |
| 57 | Synergistic mediation of metallic bismuth and oxygen vacancy in Bi/Bi <sub>2</sub> WO <sub>6-x</sub> to promote 1O <sub>2</sub> production for the photodegradation of bisphenol A and its analogues in water matrix. <i>Journal of Hazardous Materials</i> , 2021, 403, 123661. | 6.5 | 62        |
| 58 | Synergistic impact of cocatalysts and hole scavenger for promoted photocatalytic H <sub>2</sub> evolution in mesoporous TiO <sub>2</sub> NiS hybrid. <i>Journal of Energy Chemistry</i> , 2019, 32, 45-56.   | 7.1 | 61        |
| 59 | Large-scale synthesis of bismuth hollow nanospheres for highly efficient Cr(vi) removal. <i>Dalton Transactions</i> , 2012, 41, 11263.   | 1.6 | 60        |
| 60 | Oxygen vacancy induced peroxymonosulfate activation by Mg-doped Fe <sub>2</sub> O <sub>3</sub> composites for advanced oxidation of organic pollutants. <i>Chemosphere</i> , 2021, 279, 130482.  | 4.2 | 60        |
| 61 | One-pot solvothermal synthesis of Pd/Fe <sub>3</sub> O <sub>4</sub> nanocomposite and its magnetically recyclable and efficient catalysis for Suzuki reactions. <i>Journal of Molecular Catalysis A</i> , 2012, 359, 81-87.  | 4.8 | 59        |
| 62 | Fabrication of ordered flower-like ZnO nanostructures by a microwave and ultrasonic combined technique and their enhanced photocatalytic activity. <i>Materials Letters</i> , 2011, 65, 3440-3443.   | 1.3 | 58        |
| 63 | Redox transformation of arsenic by magnetic thin-film MnO <sub>2</sub> nanosheet-coated flowerlike Fe <sub>3</sub> O <sub>4</sub> nanocomposites. <i>Chemical Engineering Journal</i> , 2017, 312, 39-49.  | 6.6 | 58        |
| 64 | Promoting solar-to-hydrogen evolution on Schottky interface with mesoporous TiO <sub>2</sub> -Cu hybrid nanostructures. <i>Journal of Colloid and Interface Science</i> , 2019, 545, 116-127.  | 5.0 | 58        |
| 65 | Residual Fe enhances the activity of BiOCl hierarchical nanostructure for hydrogen peroxide activation. <i>Journal of Catalysis</i> , 2019, 370, 265-273.  | 3.1 | 56        |
| 66 | Intestinal metabolite compound K of panaxoside inhibits the growth of gastric carcinoma by augmenting apoptosis via Bid-mediated mitochondrial pathway. <i>Journal of Cellular and Molecular Medicine</i> , 2012, 16, 96-106.  | 1.6 | 54        |
| 67 | Selective oxidation of benzyl alcohol to benzaldehyde with H <sub>2</sub> O <sub>2</sub> in water on epichlorohydrin-modified Fe <sub>3</sub> O <sub>4</sub> microspheres. <i>New Journal of Chemistry</i> , 2015, 39, 4924-4932.  | 1.4 | 54        |
| 68 | Cuprous ion (Cu <sup>+</sup> ) doping induced surface/interface engineering for enhancing the CO <sub>2</sub> photoreduction capability of W <sub>18</sub> O <sub>49</sub> nanowires. <i>Journal of Colloid and Interface Science</i> , 2020, 572, 306-317.                      | 5.0 | 50        |
| 69 | Mediation of Valence Band Maximum of BiOI by Cl Incorporation for Improved Oxidation Power in Photocatalysis. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 4969-4978.  | 1.8 | 48        |
| 70 | Achieving simultaneous Cu particles anchoring in meso-porous TiO <sub>2</sub> nanofabrication for enhancing photo-catalytic CO <sub>2</sub> reduction through rapid charge separation. <i>Chinese Chemical Letters</i> , 2022, 33, 1313-1316.                                    | 4.8 | 48        |
| 71 | Stearic Acid-Modified Starch/Chitosan Composite Sponge with Asymmetric and Gradient Wettability for Wound Dressing. <i>ACS Applied Bio Materials</i> , 2019, 2, 171-181.   | 2.3 | 47        |
| 72 | Ag-decorated Bi <sub>2</sub> O <sub>3</sub> nanospheres with enhanced visible-light-driven photocatalytic activities for water treatment. <i>RSC Advances</i> , 2015, 5, 69312-69318.  | 1.7 | 46        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 73 | Hydrothermal synthesis of porous $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanostructures for highly efficient Cr(VI) removal. <i>New Journal of Chemistry</i> , 2014, 38, 2911.   | 1.4  | 45        |
| 74 | Simultaneous removal of As(V)/Cr(VI) and acid orange 7 (AO7) by nanosized ordered magnetic mesoporous Fe-Ce bimetal oxides: Behavior and mechanism. <i>Chemosphere</i> , 2019, 218, 1002-1013.  | 4.2  | 45        |
| 75 | Rapid ultrasonic-microwave assisted synthesis of spindle-like Ag/ZnO nanostructures and their enhanced visible-light photocatalytic and antibacterial activities. <i>Catalysis Today</i> , 2020, 339, 391-402.  | 2.2  | 45        |
| 76 | From Ni-based nanoprecursors to NiO nanostructures: morphology-controlled synthesis and structure-dependent electrochemical behavior. <i>New Journal of Chemistry</i> , 2015, 39, 676-682.  | 1.4  | 44        |
| 77 | Enhanced antibacterial activity and mechanism studies of Ag/Bi <sub>2</sub> O <sub>3</sub> nanocomposites. <i>Advanced Powder Technology</i> , 2018, 29, 2082-2090.   | 2.0  | 43        |
| 78 | Proteomic Identification of the Cus System as a Major Determinant of Constitutive <i>Escherichia coli</i> Silver Resistance of Chromosomal Origin. <i>Journal of Proteome Research</i> , 2008, 7, 2351-2356.  | 1.8  | 42        |
| 79 | Large-scale synthesis of bismuth sulfide nanorods by microwave irradiation. <i>Journal of Alloys and Compounds</i> , 2011, 509, 2116-2126.  | 2.8  | 42        |
| 80 | Mannitol-assisted solvothermal synthesis of BiOCl hierarchical nanostructures and their mixed organic dye adsorption capacities. <i>CrystEngComm</i> , 2014, 16, 4298-4305.   | 1.3  | 42        |
| 81 | Titanium glycolate-derived TiO <sub>2</sub> nanomaterials: Synthesis and applications. <i>Advanced Powder Technology</i> , 2018, 29, 2289-2311.   | 2.0  | 41        |
| 82 | Recent Advances in Cu-Based Cocatalysts toward Solar Hydrogen Evolution: Categories and Roles. <i>Solar Rrl</i> , 2019, 3, 1900256.   | 3.1  | 41        |
| 83 | Broad-spectrum response NCQDs/Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> heterojunction nanosheets for ciprofloxacin photodegradation: Unraveling the unique roles of NCQDs upon different light irradiation. <i>Chemosphere</i> , 2021, 264, 128434. | 4.2  | 40        |
| 84 | Thickness-tunable solvothermal synthesis of BiOCl nanosheets and their photosensitization catalytic performance. <i>New Journal of Chemistry</i> , 2015, 39, 1274-1280.   | 1.4  | 39        |
| 85 | Highly efficient degradation of chlorophenol over bismuth oxides upon near-infrared irradiation: Unraveling the effect of Bi-O-Bi-O defects cluster and $1O_2$ involved process. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120576.           | 10.8 | 39        |
| 86 | Solvothermal synthesis of uniform bismuth nanospheres using poly(N-vinyl-2-pyrrolidone) as a reducing agent. <i>Nanoscale Research Letters</i> , 2011, 6, 66.   | 3.1  | 38        |
| 87 | Controllable microwave and ultrasonic wave combined synthesis of ZnO micro-/nanostructures in HEPES solution and their shape-dependent photocatalytic activities. <i>Journal of Alloys and Compounds</i> , 2013, 567, 1-9.                                | 2.8  | 38        |
| 88 | A facile and general synthesis strategy to doped TiO <sub>2</sub> nanoaggregates with a mesoporous structure and comparable property. <i>RSC Advances</i> , 2015, 5, 64293-64298.   | 1.7  | 38        |
| 89 | Enhanced visible light photocatalytic performance of Sb-doped (BiO) <sub>2</sub> CO <sub>3</sub> nanoplates. <i>Catalysis Communications</i> , 2015, 58, 190-194.   | 1.6  | 38        |
| 90 | Electrostatically assembled construction of ternary TiO <sub>2</sub> -Cu@C hybrid with enhanced solar-to-hydrogen evolution employing amorphous carbon dots as electronic mediator. <i>Chemical Engineering Journal</i> , 2019, 375, 121902.              | 6.6  | 38        |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 91  | Synthesis of bismuth micro- and nanospheres by a simple refluxing method. <i>Materials Letters</i> , 2009, 63, 2239-2242.  | 1.3 | 37        |
| 92  | Design of a superhydrophobic and superoleophilic film using cured fluoropolymer@silica hybrid. <i>Applied Surface Science</i> , 2016, 388, 268-273.  | 3.1 | 37        |
| 93  | Same titanium glycolate precursor but different products: successful synthesis of twinned anatase TiO <sub>2</sub> nanocrystals with excellent solar photocatalytic hydrogen evolution capability. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1319-1329.                    | 3.0 | 37        |
| 94  | Structure modification of anatase TiO <sub>2</sub> nanomaterials-based photoanodes for efficient dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2013, 113, 527-535.  | 2.6 | 36        |
| 95  | Construction of ultrathin MoS <sub>2</sub> /Bi <sub>5</sub> O <sub>7</sub> I composites: Effective charge separation and increased photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2020, 560, 475-484.  | 5.0 | 35        |
| 96  | Facile hydrothermal selective fabrication of Ni(OH) <sub>2</sub> and Ni(HCO <sub>3</sub> ) <sub>2</sub> nanoparticles and their electrochemical performances. <i>RSC Advances</i> , 2014, 4, 49303-49307.  | 1.7 | 34        |
| 97  | Facile synthesis of Ag/AgCl/BiOCl ternary nanocomposites for photocatalytic inactivation of <i>S. aureus</i> under visible light. <i>RSC Advances</i> , 2016, 6, 52264-52270.  | 1.7 | 34        |
| 98  | In-situ room-temperature synthesis of amorphous/crystalline contact Bi <sub>2</sub> S <sub>3</sub> /Bi <sub>2</sub> WO <sub>6</sub> heterostructures for improved photocatalytic ability. <i>Ceramics International</i> , 2017, 43, 11296-11304.                                 | 2.3 | 34        |
| 99  | Enhanced reactive oxygen species activation for building carbon quantum dots modified Bi <sub>5</sub> O <sub>7</sub> I nanorod composites and optimized visible-light-response photocatalytic performance. <i>Journal of Colloid and Interface Science</i> , 2018, 532, 727-737. | 5.0 | 34        |
| 100 | Facile polyol-triggered anatase-rutile heterophase TiO <sub>2-x</sub> nanoparticles for enhancing photocatalytic CO <sub>2</sub> reduction. <i>Journal of Colloid and Interface Science</i> , 2020, 579, 872-877.  | 5.0 | 34        |
| 101 | Citrate/Urea/Solvent Mediated Self-Assembly of (BiO) <sub>2</sub> CO <sub>3</sub> Hierarchical Nanostructures and Their Associated Photocatalytic Performance. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 12604-12612.                                   | 1.8 | 33        |
| 102 | Synthesis of Titanium-Incorporated MWW Zeolite by Sequential Deboronation and Atom-Planting Treatment of ERB-1 as an Epoxidation Catalyst. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 4764-4773.   | 1.8 | 32        |
| 103 | Impact of Cu particles on adsorption and photocatalytic capability of mesoporous Cu@TiO <sub>2</sub> hybrid towards ciprofloxacin antibiotic removal. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 96, 229-242.  | 2.7 | 32        |
| 104 | Ionic liquid induced mechanochemical synthesis of BiOBr ultrathin nanosheets at ambient temperature with superior visible-light-driven photocatalysis. <i>Journal of Colloid and Interface Science</i> , 2020, 574, 131-139.   | 5.0 | 32        |
| 105 | HEPES-involved hydrothermal synthesis of Fe <sub>3</sub> O <sub>4</sub> nanoparticles and their biological application. <i>RSC Advances</i> , 2015, 5, 5059-5067.  | 1.7 | 31        |
| 106 | Integrated p-n/Schottky junctions for efficient photocatalytic hydrogen evolution upon Cu@TiO <sub>2</sub> -Cu <sub>2</sub> O ternary hybrids with steering charge transfer. <i>Journal of Colloid and Interface Science</i> , 2022, 622, 924-937.                               | 5.0 | 31        |
| 107 | Cytotoxicity and inhibition of lipid peroxidation activity of resveratrol/cyclodextrin inclusion complexes. <i>Journal of Inclusion Phenomena and Macroscopic Chemistry</i> , 2012, 73, 313-320.   | 1.6 | 30        |
| 108 | A 1D/2D WO <sub>3</sub> nanostructure coupled with a nanoparticulate CuO cocatalyst for enhancing solar-driven CO <sub>2</sub> photoreduction: the impact of the crystal facet. <i>Sustainable Energy and Fuels</i> , 2020, 4, 2593-2603.  | 2.5 | 29        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 109 | Engineered tungsten oxide-based photocatalysts for CO <sub>2</sub> reduction: categories and roles. <i>Journal of Materials Chemistry A</i> , 2021, 9, 22781-22809.   | 5.2 | 29        |
| 110 | Study of the complexation of resveratrol with cyclodextrins by spectroscopy and molecular modeling. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2009, 63, 295-300.  | 1.6 | 28        |
| 111 | Photoinduced switchable wettability of bismuth coating with hierarchical dendritic structure between superhydrophobicity and superhydrophilicity. <i>Applied Surface Science</i> , 2015, 353, 735-743.  | 3.1 | 28        |
| 112 | Ultrathin S-doped graphitic carbon nitride nanosheets for enhanced sulphur degradation via visible-light-assisted peroxydisulfate activation: Performance and mechanism. <i>Chemosphere</i> , 2021, 266, 128929.  | 4.2 | 28        |
| 113 | Facile solvothermal synthesis of uniform sponge-like Bi <sub>2</sub> SiO <sub>5</sub> hierarchical nanostructure and its application in Cr(VI) removal. <i>Materials Letters</i> , 2012, 77, 25-28.   | 1.3 | 27        |
| 114 | One-step solvothermal synthesis of Al-promoted Fe <sub>3</sub> O <sub>4</sub> magnetic catalysts for the selective oxidation of benzyl alcohol to benzaldehyde with H <sub>2</sub> O <sub>2</sub> in water. <i>RSC Advances</i> , 2016, 6, 101048-101060.                     | 1.7 | 27        |
| 115 | Achieving photocatalytic hydrogen production from alkaline solution upon a designed mesoporous TiO <sub>2</sub> @Ni hybrid employing commonly used paper as a sacrificial electron donor. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2709-2717.                          | 3.0 | 27        |
| 116 | Bodipy-based chemosensors for highly sensitive and selective detection of Hg <sup>2+</sup> ions. <i>New Journal of Chemistry</i> , 2018, 42, 19224-19231.   | 1.4 | 26        |
| 117 | Highly efficient Cr(VI) removal from industrial electroplating wastewater over Bi <sub>2</sub> S <sub>3</sub> nanostructures prepared by dual sulfur-precursors: Insights on the promotion effect of sulfate ions. <i>Journal of Hazardous Materials</i> , 2022, 424, 127423. | 6.5 | 26        |
| 118 | A novel protocol to design TiO <sub>2</sub> -Fe <sub>2</sub> O <sub>3</sub> hybrids with effective charge separation efficiency for improved photocatalysis. <i>Advanced Powder Technology</i> , 2017, 28, 665-670.   | 2.0 | 25        |
| 119 | Microwave synthesis of bismuth nanospheres using bismuth citrate as a precursor. <i>Journal of Alloys and Compounds</i> , 2010, 498, L8-L11.  | 2.8 | 24        |
| 120 | Effective As(III) and As(V) immobilization from aqueous solution by nascent ferrous hydroxide colloids (FHC). <i>Separation and Purification Technology</i> , 2017, 176, 395-401.   | 3.9 | 24        |
| 121 | Achieving phase transformation and structure control of crystalline anatase TiO <sub>2</sub> @C hybrids from titanium glycolate precursor and glucose molecules. <i>Journal of Colloid and Interface Science</i> , 2015, 438, 169-178.  | 5.0 | 22        |
| 122 | Hydrothermal Synthesis and Properties of Controlled Fe <sub>2</sub> O <sub>3</sub> Nanostructures in HEPES Solution. <i>Chemistry - an Asian Journal</i> , 2011, 6, 2320-2331.  | 1.7 | 21        |
| 123 | HEPES and polyol mediated solvothermal synthesis of hierarchical porous ZnO microspheres and their improved photocatalytic activity. <i>Materials Letters</i> , 2014, 130, 115-119.   | 1.3 | 20        |
| 124 | Adsorption behavior and mechanism of ibuprofen onto BiOCl microspheres with exposed {001} facets. <i>Environmental Science and Pollution Research</i> , 2017, 24, 9556-9565.  | 2.7 | 20        |
| 125 | Fluorescent dialdehyde-BODIPY chitosan hydrogel and its highly sensing ability to Cu <sup>2+</sup> ion. <i>Carbohydrate Polymers</i> , 2021, 273, 118590.   | 5.1 | 20        |
| 126 | Photocatalytic N <sub>2</sub> Reduction: Uncertainties in the Determination of Ammonia Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 560-568.   | 3.2 | 20        |



| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 127 | Hexamine copper(II) coordination polymers: synthesis, structure and magnetic properties. <i>CrystEngComm</i> , 2009, 11, 671.   | 1.3  | 19        |
| 128 | Fluoropolymer/SiO <sub>2</sub> composite films with switchable superoleophilicity and high oleophobicity for "oil permeation. <i>Applied Surface Science</i> , 2013, 280, 113-116.  | 3.1  | 18        |
| 129 | Controllable synthesis of hierarchical Bi <sub>2</sub> CuO <sub>4</sub> microspheres in aqueous solution and their highly efficient visible-light-driven photocatalytic activities. <i>CrystEngComm</i> , 2013, 15, 8159.   | 1.3  | 18        |
| 130 | New insights on nanostructure of ordered mesoporous Fe Mn bimetal oxides (OMFMs) by a novel inverse micelle method and their superior arsenic sequestration performance: Effect of calcination temperature and role of Fe/Mn oxides. <i>Science of the Total Environment</i> , 2021, 762, 143163. | 3.9  | 18        |
| 131 | Boosting hydrogen evolution over Ni <sub>6</sub> (SCH <sub>2</sub> Ph) <sub>12</sub> nanocluster modified TiO <sub>2</sub> via pseudo-Z-scheme interfacial charge transfer. <i>Applied Catalysis B: Environmental</i> , 2021, 292, 120158.  | 10.8 | 18        |
| 132 | Metallic Copper-Containing Composite Photocatalysts: Fundamental, Materials Design, and Photoredox Applications. <i>Small Methods</i> , 2022, 6, e2101001.  | 4.6  | 18        |
| 133 | Microwave-Assisted Facile Synthesis of Palladium Nanoparticles in HEPES Solution and Their Size-Dependent Catalytic Activities to Suzuki Reaction. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 7794-7801.  | 0.9  | 17        |
| 134 | Shape-Dependent Photocatalytic Activities of Bismuth Subcarbonate Nanostructures. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 4028-4034.   | 0.9  | 16        |
| 135 | Extremely rapid engineering of zinc oxide nanoaggregates with structure-dependent catalytic capability towards removal of ciprofloxacin antibiotic. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2432-2444.  | 3.0  | 16        |
| 136 | HEPES-mediated controllable synthesis of hierarchical CuO nanostructures and their analogous photo-Fenton and antibacterial performance. <i>Advanced Powder Technology</i> , 2017, 28, 1332-1339.   | 2.0  | 15        |
| 137 | Reversibly photo-switchable wettability of stearic acid monolayer modified bismuth-based micro-/nanomaterials. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 31666-31674.  | 1.3  | 15        |
| 138 | Promotional effect of short-chain saturated alcohols on Fe <sub>3</sub> O <sub>4</sub> -catalyzed decomposition of H <sub>2</sub> O <sub>2</sub> and its application in selective oxidation of benzyl alcohol. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 1613-1621.     | 1.6  | 15        |
| 139 | Achieving solar-to-hydrogen evolution promotion using TiO <sub>2</sub> nanoparticles and an unanchored Cu co-catalyst. <i>Materials Research Bulletin</i> , 2020, 129, 110891.  | 2.7  | 15        |
| 140 | Solubilities of Diglycolic Acid Esters in Supercritical Carbon Dioxide. <i>Journal of Chemical &amp; Engineering Data</i> , 2009, 54, 102-107.  | 1.0  | 14        |
| 141 | Fabrication of three-dimensional snowflake-like bismuth sulfide nanostructures by simple refluxing. <i>Materials Letters</i> , 2010, 64, 287-290.   | 1.3  | 14        |
| 142 | One-pot hydrothermal synthesis of Pd/Fe <sub>3</sub> O <sub>4</sub> nanocomposite in HEPES buffer solution and catalytic activity for Suzuki reaction. <i>Materials Research Bulletin</i> , 2015, 66, 186-191.  | 2.7  | 14        |
| 143 | Insights into the structure-induced catalysis dependence of simply engineered one-dimensional zinc oxide nanocrystals towards photocatalytic water purification. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 2075-2087.   | 3.0  | 14        |
| 144 | Recent advances in synthesis strategies and solar-to-hydrogen evolution of 1T phase MS <sub>2</sub> (M = W, Mo) co-catalysts. <i>Journal of Materials Science and Technology</i> , 2022, 101, 242-263.  | 5.6  | 14        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 145 | Hydrothermal synthesis of transition metal oxide nanomaterials in HEPES buffer solution. <i>Materials Letters</i> , 2010, 64, 1939-1942.  | 1.3 | 13        |
| 146 | A facile polyol-mediated approach to tunable CeO <sub>2</sub> microcrystals and their photocatalytic activity. <i>Powder Technology</i> , 2013, 249, 89-94.   | 2.1 | 13        |
| 147 | Sorbitol-employed hydrothermal carbonization to TiO <sub>2</sub> @C mesoporous hybrids with promoted visible light utilization and excellent photosensitization stability. <i>Journal of Alloys and Compounds</i> , 2017, 723, 948-959.   | 2.8 | 13        |
| 148 | One dimensional hierarchical nanostructures composed of CdS nanosheets/nanoparticles and Ag nanowires with promoted photocatalytic performance. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 903-915.  | 3.0 | 13        |
| 149 | Engineered zinc oxide nanoaggregates for photocatalytic removal of ciprofloxacin with structure dependence. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.  | 0.8 | 13        |
| 150 | Precursor self-derived Cu@TiO <sub>2</sub> hybrid Schottky junction for enhanced solar-to-hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 10628-10637.  | 3.8 | 13        |
| 151 | A novel multilayer brookite TiO <sub>2</sub> electrode for improved performance of pure brookite-based dye sensitized solar cells. <i>Chemical Physics Letters</i> , 2020, 738, 136902.   | 1.2 | 12        |
| 152 | Surface Potential/Wettability and Interface Charge Transfer Engineering of Copper-Oxide (Cu <sup>x</sup> MO <sub>x</sub> , M = W, Ti, and Ce) Hybrids for Efficient Wastewater Treatment through Adsorption-Photocatalysis Synergy. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 15454-15463. | 1.8 | 12        |
| 153 | New soft chemistry route to titanomagnetite magnetic nanoparticles with enhanced peroxidase-like activity. <i>Powder Technology</i> , 2020, 373, 39-45.   | 2.1 | 11        |
| 154 | Copper-promoted heterogeneous Fenton-like oxidation of Rhodamine B over Fe <sub>3</sub> O <sub>4</sub> magnetic nanocatalysts at mild conditions. <i>Environmental Science and Pollution Research</i> , 2021, 28, 19959-19968.  | 2.7 | 11        |
| 155 | Ions-exchange anchoring Cu <sub>7</sub> S <sub>4</sub> cocatalyst on K <sub>2</sub> Ti <sub>8</sub> O <sub>17</sub> nanowires assembly for enhanced CO <sub>2</sub> photoreduction through efficient charge separation. <i>Journal of Alloys and Compounds</i> , 2022, 909, 164792.                                 | 2.8 | 11        |
| 156 | Tunable surface wettability and water adhesion of Sb <sub>2</sub> S <sub>3</sub> micro-/nanorod films. <i>Applied Surface Science</i> , 2014, 289, 425-429.   | 3.1 | 10        |
| 157 | Adsorption-enhanced catalytic wet peroxide oxidation of aromatic compounds on ionothermally synthesised copper-doped magnetite magnetic nanoparticles. <i>Environmental Chemistry</i> , 2020, 17, 426.  | 0.7 | 10        |
| 158 | Ag <sub>18</sub> (1/4) <sub>8</sub> -S( <i>p</i> -TBBT) <sub>16</sub> (PPh <sub>3</sub> ) <sub>8</sub> : symmetry breaking induced by the core to generate chirality. <i>Chemical Communications</i> , 2020, 56, 2719-2722.   | 2.2 | 10        |
| 159 | One-step Mechanical Synthesis of Oxygen-defect Modified Ultrathin Bi <sub>12</sub> O <sub>17</sub> Br <sub>2</sub> Nanosheets for Boosting Photocatalytic Activity. <i>ChemistrySelect</i> , 2020, 5, 11177-11184.  | 0.7 | 9         |
| 160 | Refluxing Synthesis of Anatase TiO <sub>2</sub> Nanoparticles Assembled Microprisms and Its Application for Dye-Sensitized Solar Cells. <i>Science of Advanced Materials</i> , 2014, 6, 459-464.  | 0.1 | 9         |
| 161 | Construction of Ag-decorated ZnO with oxygen vacancies for enhanced antibacterial activity via increased H <sub>2</sub> O <sub>2</sub> production. <i>Journal of Inorganic Biochemistry</i> , 2022, 231, 111778.  | 1.5 | 9         |
| 162 | Hydrothermal Synthesis of Platinum-Group Metal Nanoparticles by Using HEPES as a Reductant and Stabilizer. <i>Chemistry - an Asian Journal</i> , 2010, 5, 1322-1331.  | 1.7 | 8         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 163 | The photovoltaic performance of highly asymmetric phthalocyanine-sensitized brookite-based solar cells. <i>Optik</i> , 2020, 200, 163413.  | 1.4 | 8         |
| 164 | Facile construction of g-C <sub>3</sub> N <sub>4</sub> -W <sub>18</sub> O <sub>49</sub> heterojunction with improved charge transfer for solar-driven CO <sub>2</sub> photoreduction. <i>Inorganic Chemistry Communication</i> , 2021, 132, 108814.  | 1.8 | 8         |
| 165 | Fluorescent macromolecular chemosensors for highly and selectively detecting of 2, 4, 6-trinitrophenol. <i>Materials Research Express</i> , 2020, 7, 105304.   | 0.8 | 8         |
| 166 | Synthesis, structure and superoxide dismutase activity of a novel tetranuclear copper(II) complex Na <sub>2</sub> [Cu <sub>4</sub> Na <sub>2</sub> (TACNTA) <sub>4</sub> (H <sub>2</sub> O) <sub>6</sub> ](H <sub>2</sub> O) <sub>26</sub> . <i>Inorganic Chemistry Communication</i> , 2010, 13, 1293-1295. | 1.8 | 7         |
| 167 | Nanoprecursor-Mediated Synthesis of Mg <sup>2+</sup> -Doped TiO <sub>2</sub> Nanoparticles and Their Application for Dye-Sensitized Solar Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 744-752.   | 0.9 | 7         |
| 168 | Anion-exchange synthesis of hollow BiOCl/Bi <sub>2</sub> S <sub>3</sub> hybrids with superior capability for photocatalytic reduction of hexavalent chromium under visible light irradiation. <i>Micro and Nano Letters</i> , 2017, 12, 1020-1023.   | 0.6 | 7         |
| 169 | Facile synthesis of porous organic polymers for the absorption of Pd(II) ions and organic dyes. <i>RSC Advances</i> , 2016, 6, 79781-79791.  | 1.7 | 6         |
| 170 | Solvothermal Synthesis of Layered BiOCl Nanosheets and Their Efficient VisibleLight-Induced Photocatalytic Activities. <i>Science of Advanced Materials</i> , 2013, 5, 1024-1031.  | 0.1 | 6         |
| 171 | Facile synthesis and characterization of TiO <sub>2</sub> nanodots and TiO <sub>2</sub> nanodots@MWCNTs composite via solvothermal method. <i>Materials Letters</i> , 2013, 113, 71-75.  | 1.3 | 5         |
| 172 | N,N-Bis(2-hydroxyethyl)-2-aminoethanesulfonic Acid-assisted Liquid-phase Growth of Au@Pd Core-Shell Nanoparticles with High Catalytic Activity. <i>Chemistry Letters</i> , 2015, 44, 1371-1373.  | 0.7 | 4         |
| 173 | Simply Coupling TiO <sub>2</sub> Nanospheres with Cu <sub>2</sub> O Particles to Boost the Photocatalytic Hydrogen Evolution through an Heterojunction-Induced Charge Transfer. <i>Energy Technology</i> , 2022, 10, 2100259.  | 1.8 | 4         |
| 174 | Chlorine-enhanced photocatalytic degradation of PPCPs over Bi <sub>2</sub> MoO <sub>6</sub> /(BiO) <sub>2</sub> CO <sub>3</sub> heterostructures. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106597.  | 3.3 | 4         |
| 175 | Facile Preparation of Micro/Mesoporous Conjugated Polymers for Multifunctional Sensing and Separation Applications. <i>ChemistrySelect</i> , 2018, 3, 4985-4993.   | 0.7 | 2         |
| 176 | Facilely Anchoring Cu nanoparticles on WO <sub>3</sub> Nanocubes for Enhanced Photocatalysis through Efficient Interface Charge Transfer. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2021, 36, 325.   | 0.6 | 2         |
| 177 | Polymerization kinetics and stabilization mechanism of the monodisperse PMMA microspheres. <i>Wuhan University Journal of Natural Sciences</i> , 2011, 16, 337-341.  | 0.2 | 0         |