

# Rong Chen

## List of Publications by Year in descending order

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177  
papers

13,224  
citations

23567

58  
h-index

24982

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.	3.7	1,331
2	Silver nanoparticles: partial oxidation and antibacterial activities. <i>Journal of Biological Inorganic Chemistry</i> , 2007, 12, 527-534.	2.6	1,303
3	Silver Nanoparticles Inhibit Hepatitis B virus Replication. <i>Antiviral Therapy</i> , 2008, 13, 253-262.	1.0	489
4	Silver nanoparticles fabricated in Hepes buffer exhibit cytoprotective activities toward HIV-1 infected cells. <i>Chemical Communications</i> , 2005, , 5059.	4.1	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.	11.2	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.	8.0	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.	3.6	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.	3.6	316
9	Enhanced antibacterial and wound healing activities of microporous chitosan-Ag/ZnO composite dressing. <i>Carbohydrate Polymers</i> , 2017, 156, 460-469.	10.2	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.	20.2	277
11	Tuning the Composition of AuPt Bimetallic Nanoparticles for Antibacterial Application. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8127-8131.	13.8	208
12	Tunable $\text{BiOCl}$ hierarchical nanostructures for high-efficient photocatalysis under visible light irradiation. <i>Chemical Engineering Journal</i> , 2013, 220, 228-236.	12.7	196
13	A magnetic superhydrophilic/oleophobic sponge for continuous oil-water separation. <i>Chemical Engineering Journal</i> , 2017, 309, 366-373.	12.7	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.	9.4	160
15	Fabrication uniform hollow $\text{Bi}_2\text{S}_3$ nanospheres via Kirkendall effect for photocatalytic reduction of $\text{Cr(VI)}$ in electroplating industry wastewater. <i>Journal of Hazardous Materials</i> , 2017, 340, 253-262.	12.4	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.	8.0	147
17	Fabrication of bismuth subcarbonate nanotube arrays from bismuth citrate. <i>Chemical Communications</i> , 2006, , 2265.	4.1	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.	2.8	138

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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.	12.7	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.	3.3	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.	12.7	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.	12.7	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.	5.6	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.	9.4	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.	20.2	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.	5.6	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.	6.7	98
29	BiOCOOH hierarchical nanostructures: Shape-controlled solvothermal synthesis and photocatalytic degradation performances. <i>CrystEngComm</i> , 2011, 13, 2381.	2.6	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.	10.3	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.	20.2	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.	12.7	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.	5.5	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.	6.8	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.	9.0	80

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37	Shape-controlled solvothermal synthesis of bismuth subcarbonate nanomaterials. <i>Journal of Solid State Chemistry</i> , 2010, 183, 1878-1883.	2.9	78
38	Highly efficient photocatalytic reduction of Cr(VI) by bismuth hollow nanospheres. <i>Catalysis Communications</i> , 2013, 42, 14-19.	3.3	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.	12.7	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.	20.2	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.	9.4	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.	12.4	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.	12.4	76
44	Fabrication of gold nanoparticles with different morphologies in HEPES buffer. <i>Rare Metals</i> , 2010, 29, 180-186.	7.1	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.	4.1	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.	3.7	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.	13.7	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.	2.0	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.	6.7	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.	20.2	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.	5.2	66
53	Rhodamine B-sensitized BiOCl hierarchical nanostructure for methyl orange photodegradation. <i>RSC Advances</i> , 2016, 6, 7772-7779.	3.6	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.	12.7	64

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55	A Chiral [2]Catenane Precursor of the Antiarthritic Gold(I) Drug Auranofin. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 1621-1624.	13.8	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.	9.4	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.	12.4	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.	12.9	61
59	Large-scale synthesis of bismuth hollow nanospheres for highly efficient Cr(vi) removal. <i>Dalton Transactions</i> , 2012, 41, 11263.	3.3	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.	8.2	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.	2.6	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.	12.7	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.	9.4	58
65	Residual Fe enhances the activity of BiOCl hierarchical nanostructure for hydrogen peroxide activation. <i>Journal of Catalysis</i> , 2019, 370, 265-273.	6.2	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.	3.6	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.	2.8	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.	9.4	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.	3.7	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.	9.0	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.	4.6	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.	3.6	46

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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.	2.8	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.	8.2	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.	4.4	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.	2.8	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.	4.1	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.	3.7	42
79	Large-scale synthesis of bismuth sulfide nanorods by microwave irradiation. <i>Journal of Alloys and Compounds</i> , 2011, 509, 2116-2126.	5.5	42
80	Mannitol-assisted solvothermal synthesis of BiOCl hierarchical nanostructures and their mixed organic dye adsorption capacities. <i>CrystEngComm</i> , 2014, 16, 4298-4305.	2.6	42
81	Titanium glycolate-derived TiO <sub>2</sub> nanomaterials: Synthesis and applications. <i>Advanced Powder Technology</i> , 2018, 29, 2289-2311.	4.1	41
82	Recent Advances in Cu-Based Cocatalysts toward Solar-Driven Hydrogen Evolution: Categories and Roles. <i>Solar Rrl</i> , 2019, 3, 1900256.	5.8	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.	8.2	40
84	Thickness-tunable solvothermal synthesis of BiOCl nanosheets and their photosensitization catalytic performance. <i>New Journal of Chemistry</i> , 2015, 39, 1274-1280.	2.8	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.	20.2	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.	5.7	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.	5.5	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.	3.6	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.	3.3	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.	12.7	38



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91	Synthesis of bismuth micro- and nanospheres by a simple refluxing method. <i>Materials Letters</i> , 2009, 63, 2239-2242.	2.6	37
92	Design of a superhydrophobic and superoleophilic film using cured fluoropolymer@silica hybrid. <i>Applied Surface Science</i> , 2016, 388, 268-273.	6.1	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.	6.0	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.	5.2	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.	9.4	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.	3.6	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.	3.6	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.	4.8	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.	9.4	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.	9.4	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.	3.7	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.	3.7	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.	5.3	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.	9.4	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.	3.6	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.	9.4	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.	4.9	29

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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.	10.3	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.	6.1	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.	8.2	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.	2.6	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.	3.6	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.	6.0	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.	2.8	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.	12.4	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.	4.1	25
119	Microwave synthesis of bismuth nanospheres using bismuth citrate as a precursor. <i>Journal of Alloys and Compounds</i> , 2010, 498, L8-L11.	5.5	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.	7.9	24
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