

# Xiarong Zheng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2623549/publications.pdf>

Version: 2024-02-01

125  
papers

4,492  
citations

117625

34  
h-index

123424

61  
g-index

126  
all docs

126  
docs citations

126  
times ranked

5884  
citing authors

#	ARTICLE	IF	CITATIONS
1	Green synthesis of palladium nanoparticles using broth of <i>Cinnamomum camphora</i> leaf. <i>Journal of Nanoparticle Research</i> , 2010, 12, 1589-1598.	1.9	310
2	Biogenic Silver Nanoparticles by <i>Cacumen Platycladi</i> Extract: Synthesis, Formation Mechanism, and Antibacterial Activity. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 9095-9106.	3.7	171
3	Strong Near-Infrared Absorbing and Biocompatible CuS Nanoparticles for Rapid and Efficient Photothermal Ablation of Gram-Positive and -Negative Bacteria. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 36606-36614.	8.0	171
4	Biosorption and bioreduction of diamine silver complex by <i>Corynebacterium</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2005, 80, 285-290.	3.2	167
5	Transformation of metal-organic frameworks for molecular sieving membranes. <i>Nature Communications</i> , 2016, 7, 11315.	12.8	140
6	Isolation, Detection, and Antigen-Based Profiling of Circulating Tumor Cells Using a Size-Dictated Immunocapture Chip. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10681-10685.	13.8	132
7	Pd Supported on MIL-68(In)-Derived $\text{In}_2\text{O}_3$ Nanotubes as Superior Catalysts to Boost $\text{CO}_2$ Hydrogenation to Methanol. <i>ACS Catalysis</i> , 2020, 10, 13275-13289.	11.2	107
8	Biosynthesized Bimetallic Au-Pd Nanoparticles Supported on $\text{TiO}_2$ for Solvent-Free Oxidation of Benzyl Alcohol. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 1752-1759.	6.7	100
9	Green synthesis of Au-Ag alloy nanoparticles using <i>Cacumen platycladi</i> extract. <i>RSC Advances</i> , 2013, 3, 1878-1884.	3.6	94
10	Overexpression of Malonyl-CoA: ACP Transacylase in <i>Schizochytrium</i> sp. to Improve Polyunsaturated Fatty Acid Production. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 5382-5391.	5.2	94
11	Enhanced catalytic benzene oxidation over a novel waste-derived Ag/eggshell catalyst. <i>Journal of Materials Chemistry A</i> , 2019, 7, 8832-8844.	10.3	91
12	Anaerobic co-digestion of sewage sludge and food waste for hydrogen and VFA production with microbial community analysis. <i>Waste Management</i> , 2018, 78, 789-799.	7.4	88
13	Formation of soluble Cr(III) end-products and nanoparticles during Cr(VI) reduction by <i>Bacillus cereus</i> strain XMCr-6. <i>Biochemical Engineering Journal</i> , 2013, 70, 166-172.	3.6	85
14	A novel solid digestate-derived biochar-Cu NP composite activating $\text{H}_2\text{O}_2$ system for simultaneous adsorption and degradation of tetracycline. <i>Environmental Pollution</i> , 2017, 221, 301-310.	7.5	85
15	Dual roles of AQDS as electron shuttles for microbes and dissolved organic matter involved in arsenic and iron mobilization in the arsenic-rich sediment. <i>Science of the Total Environment</i> , 2017, 574, 1684-1694.	8.0	85
16	Synthesis of gold nanoparticles by <i>Cacumen Platycladi</i> leaf extract and its simulated solution: toward the plant-mediated biosynthetic mechanism. <i>Journal of Nanoparticle Research</i> , 2011, 13, 4957-4968.	1.9	82
17	Nitrogen and phosphorus removal from anaerobically digested wastewater by microalgae cultured in a novel membrane photobioreactor. <i>Biotechnology for Biofuels</i> , 2018, 11, 190.	6.2	77
18	Biogenic flower-shaped Au-Pd nanoparticles: synthesis, SERS detection and catalysis towards benzyl alcohol oxidation. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1767-1773.	10.3	73

#	ARTICLE	IF	CITATIONS
19	Influence of Au Particle Size on Au/TiO <sub>2</sub> Catalysts for CO Oxidation. <i>Journal of Physical Chemistry C</i> , 2014, 118, 19150-19157.	3.1	72
20	M <sub>x</sub> O <sub>y</sub> â€“ZrO <sub>2</sub> (M = Zn, Co, Cu) Solid Solutions Derived from Schiff Base-Bridged UiO-66 Composites as High-Performance Catalysts for CO <sub>2</sub> Hydrogenation. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 33263-33272.	8.0	68
21	A novel biomass coated Agâ€“TiO <sub>2</sub> composite as a photoanode for enhanced photocurrent in dye-sensitized solar cells. <i>RSC Advances</i> , 2013, 3, 6369.	3.6	63
22	Nitrogen and phosphorus removal coupled with carbohydrate production by five microalgae cultures cultivated in biogas slurry. <i>Bioresource Technology</i> , 2016, 221, 385-393.	9.6	63
23	Co-oxidative removal of arsenite and tetracycline based on a heterogeneous Fenton-like reaction using iron nanoparticles-impregnated biochar. <i>Environmental Pollution</i> , 2021, 290, 118062.	7.5	60
24	Monodisperse AgPd alloy nanoparticles as a highly active catalyst towards the methanolysis of ammonia borane for hydrogen generation. <i>RSC Advances</i> , 2016, 6, 105940-105947.	3.6	54
25	A novel PVDF-TiO <sub>2</sub> @g-C <sub>3</sub> N <sub>4</sub> composite electrospun fiber for efficient photocatalytic degradation of tetracycline under visible light irradiation. <i>Ecotoxicology and Environmental Safety</i> , 2021, 210, 111866.	6.0	54
26	Vapor-Phase Propylene Epoxidation with H <sub>2</sub> /O <sub>2</sub> over Bioreduction Au/TS-1 Catalysts: Synthesis, Characterization, and Optimization. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 9019-9026.	3.7	50
27	Production of poly(hydroxybutyrateâ€“hydroxyvalerate) from waste organics by the two-stage process: Focus on the intermediate volatile fatty acids. <i>Bioresource Technology</i> , 2014, 166, 194-200.	9.6	50
28	Effectiveness and mechanisms of ammonium adsorption on biochars derived from biogas residues. <i>RSC Advances</i> , 2016, 6, 88373-88381.	3.6	44
29	Biogenic Pt/CaCO <sub>3</sub> Nanocomposite as a Robust Catalyst toward Benzene Oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 2469-2480.	8.0	44
30	Green Photocatalytic Oxidation of Benzyl Alcohol over Noble-Metal-Modified H <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> Nanowires. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 9717-9726.	6.7	42
31	Preparation and characterization of ethyl cellulose film modified with capsaicin. <i>Carbohydrate Polymers</i> , 2020, 241, 116259.	10.2	39
32	Characterization of a novel biofloculant from a marine bacterium and its application in dye wastewater treatment. <i>BMC Biotechnology</i> , 2017, 17, 84.	3.3	38
33	Electrically Heatable Graphene Aerogels as Nanoparticle Supports in Adsorptive Desulfurization and High-Pressure CO <sub>2</sub> Capture. <i>Advanced Functional Materials</i> , 2020, 30, 2002788.	14.9	38
34	Rape Pollen-Templated Synthesis of C,N Self-Doped Hierarchical TiO <sub>2</sub> for Selective Hydrogenation of 1,3-Butadiene. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 882-888.	6.7	37
35	Diatomite Supported Pt Nanoparticles as Efficient Catalyst for Benzene Removal. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 14008-14015.	3.7	35
36	Trisodium Citrate-Assisted Biosynthesis of Silver Nanoflowers by <i>Canarium album</i> Foliar Broths as a Platform for SERS Detection. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 5085-5094.	3.7	34

#	ARTICLE	IF	CITATIONS
37	Investigation of active biomolecules involved in the nucleation and growth of gold nanoparticles by <i>Artocarpus heterophyllus</i> Lam leaf extract. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	34
38	Hydrogenation of CO <sub>2</sub> to Dimethyl Ether over Tandem Catalysts Based on Biotemplated Hierarchical ZSM-5 and Pd/ZnO. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 14058-14070.	6.7	34
39	Titanium silicalite-1 zeolite encapsulating Au particles as a catalyst for vapor phase propylene epoxidation with H <sub>2</sub> /O <sub>2</sub> : a matter of Au-Ti synergic interaction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4428-4436.	10.3	34
40	Effects of substrate types on the transformation of heavy metal speciation and bioavailability in an anaerobic digestion system. <i>Journal of Environmental Sciences</i> , 2021, 101, 361-372.	6.1	34
41	Green synthesized iron nanoparticles as highly efficient fenton-like catalyst for degradation of dyes. <i>Chemosphere</i> , 2020, 261, 127618.	8.2	33
42	The production of biofloculants by <i>Bacillus licheniformis</i> using molasses and its application in the sugarcane industry. <i>Biotechnology and Bioprocess Engineering</i> , 2012, 17, 1041-1047.	2.6	32
43	Bioelectricity generation from the decolorization of reactive blue 19 by using microbial fuel cell. <i>Journal of Environmental Management</i> , 2019, 248, 109310.	7.8	32
44	The influence of variables on the bioavailability of heavy metals during the anaerobic digestion of swine manure. <i>Ecotoxicology and Environmental Safety</i> , 2020, 195, 110457.	6.0	32
45	Role of Cu <sub>x</sub> O-Anchored Pyrolyzed Hydrochars on H <sub>2</sub> O <sub>2</sub> -Activated Degradation of Tetracycline: Effects of Pyrolysis Temperature and pH. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 8847-8857.	3.7	31
46	Plant-Mediated Fabrication and Surface Enhanced Raman Property of Flower-Like Au@Pd Nanoparticles. <i>Materials</i> , 2014, 7, 1360-1369.	2.9	30
47	Chemical reactive features of novel amino acids intercalated layered double hydroxides in As(III) and As(V) adsorption. <i>Chemosphere</i> , 2017, 176, 57-66.	8.2	30
48	Biosynthesized Ag <sub>1</sub> -Al <sub>2</sub> O <sub>3</sub> catalyst for ethylene epoxidation: the influence of silver precursors. <i>RSC Advances</i> , 2014, 4, 27597-27603.	3.6	29
49	Ni <sub>2</sub> P-Graphite Nanoplatelets Supported Au-Pd Core-Shell Nanoparticles with Superior Electrochemical Properties. <i>Journal of Physical Chemistry C</i> , 2015, 119, 10469-10477.	3.1	29
50	Identification of key genes involved in polysaccharide biofloculant synthesis in <i>Bacillus licheniformis</i> . <i>Biotechnology and Bioengineering</i> , 2017, 114, 645-655.	3.3	29
51	Effect of glucose on poly- $\gamma$ -glutamic acid metabolism in <i>Bacillus licheniformis</i> . <i>Microbial Cell Factories</i> , 2017, 16, 22.	4.0	27
52	Fabrication of Pd/In <sub>2</sub> O <sub>3</sub> Nanocatalysts Derived from MIL-68(In) Loaded with Molecular Metalloporphyrin (TCPP(Pd)) Toward CO <sub>2</sub> Hydrogenation to Methanol. <i>ACS Catalysis</i> , 2022, 12, 709-723.	11.2	27
53	Roles of Biomolecules in the Biosynthesis of Silver Nanoparticles: Case of <i>Gardenia jasminoides</i> Extract. <i>Chinese Journal of Chemical Engineering</i> , 2014, 22, 706-712.	3.5	25
54	The development of bifunctional catalysts for carbon dioxide hydrogenation to hydrocarbons via the methanol route: from single component to integrated components. <i>Journal of Materials Chemistry A</i> , 2021, 9, 5197-5231.	10.3	25

#	ARTICLE	IF	CITATIONS
55	Maghemite ( $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> ) nanoparticles enhance dissimilatory ferrihydrite reduction by <i>Geobacter sulfurreducens</i> : Impacts on iron mineralogical change and bacterial interactions. <i>Journal of Environmental Sciences</i> , 2019, 78, 193-203.	6.1	23
56	Internalized Carbon Dots for Enhanced Extracellular Electron Transfer in the Dark and Light. <i>Small</i> , 2020, 16, e2004194.	10.0	23
57	Design and Synthesis of Bioinspired ZnZrO <sub>2</sub> & Bio-ZSM-5 Integrated Nanocatalysts to Boost CO <sub>2</sub> Hydrogenation to Light Olefins. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 6446-6458.	6.7	23
58	Crystal Facet Induced Single-Atom Pd/Co <sub>x</sub> O <sub>y</sub> on a Tunable Metal-Support Interface for Low Temperature Catalytic Oxidation. <i>Small</i> , 2020, 16, e2002071.	10.0	22
59	Novel AuPd nanostructures for hydrogenation of 1,3-butadiene. <i>Journal of Materials Chemistry A</i> , 2015, 3, 4846-4854.	10.3	21
60	Production of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) from excess activated sludge as a promising substitute of pure culture. <i>Bioresource Technology</i> , 2015, 189, 236-242.	9.6	21
61	Plant-Mediated Synthesis of Zinc Oxide Supported Nickel-Palladium Alloy Catalyst for the Selective Hydrogenation of 1,3-Butadiene. <i>ChemCatChem</i> , 2017, 9, 870-881.	3.7	21
62	Green Fabrication of Integrated Au/CuO/Oyster Shell Nanocatalysts with Oyster Shells as Alternative Supports for CO Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 17768-17777.	6.7	21
63	Nano-sized Fe <sub>2</sub> O <sub>3</sub> /Fe <sub>3</sub> O <sub>4</sub> facilitate anaerobic transformation of hexavalent chromium in soil-water systems. <i>Journal of Environmental Sciences</i> , 2017, 57, 329-337.	6.1	20
64	Functions of PKS Genes in Lipid Synthesis of <i>Schizochytrium</i> sp. by Gene Disruption and Metabolomics Analysis. <i>Marine Biotechnology</i> , 2018, 20, 792-802.	2.4	20
65	TiO <sub>2</sub> nanoparticles accelerate methanogenesis in mangrove wetlands sediment. <i>Science of the Total Environment</i> , 2020, 713, 136602.	8.0	20
66	A novel sulfur source for biosynthesis of (Ag, S)-modified TiO <sub>2</sub> photoanodes in DSSC. <i>Materials Letters</i> , 2014, 123, 83-86.	2.6	19
67	Isolation, Detection, and Antigen-Based Profiling of Circulating Tumor Cells Using a Size-Dictated Immunocapture Chip. <i>Angewandte Chemie</i> , 2017, 129, 10821-10825.	2.0	19
68	The Role of Low-Molecular-Weight Organic Carbons in Facilitating the Mobilization and Biotransformation of As(V)/Fe(III) from a Realgar Tailing Mine Soil. <i>Geomicrobiology Journal</i> , 2018, 35, 555-563.	2.0	19
69	Facile fabrication of Pd nanoparticle/ <i>Pichia pastoris</i> catalysts through adsorption-reduction method: A study into effect of chemical pretreatment. <i>Journal of Colloid and Interface Science</i> , 2014, 433, 204-210.	9.4	18
70	Estimating the Fates of C and N in Various Anaerobic Codigestions of Manure and Lignocellulosic Biomass Based on Artificial Neural Networks. <i>Energy &amp; Fuels</i> , 2016, 30, 9490-9501.	5.1	18
71	Increasing the bioflocculant production and identifying the effect of overexpressing <i>epsB</i> on the synthesis of polysaccharide and $\gamma$ -PGA in <i>Bacillus licheniformis</i> . <i>Microbial Cell Factories</i> , 2017, 16, 163.	4.0	18
72	Addition of graphene sheets enhances reductive dissolution of arsenic and iron from arsenic contaminated soil. <i>Land Degradation and Development</i> , 2018, 29, 572-584.	3.9	18

#	ARTICLE	IF	CITATIONS
73	Green synthesis of g-C <sub>3</sub> N <sub>4</sub> -Pt catalyst and application to photocatalytic hydrogen evolution from water splitting. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2018, 26, 688-695.	2.1	18
74	Proteomic profiling of <i>Bacillus licheniformis</i> reveals a stress response mechanism in the synthesis of extracellular polymeric flocculants. <i>Biotechnology and Bioengineering</i> , 2016, 113, 797-806.	3.3	17
75	Production of graphene nanosheets by supercritical CO <sub>2</sub> process coupled with micro-jet exfoliation. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2017, 25, 691-698.	2.1	17
76	Influence of Preparation Methods on the Catalytic Activity of Pd-Cu/Mn <sub>2</sub> O <sub>3</sub> Catalyst in the Hydrogenation of 1,3-Butadiene. <i>ACS Omega</i> , 2019, 4, 1300-1310.	3.5	17
77	Preparation of Integrated CuO/ZnO/OS Nanocatalysts by Using Acid-Etched Oyster Shells as a Support for CO <sub>2</sub> Hydrogenation. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 7162-7173.	6.7	17
78	Oxygen-Enriched Biomass-Activated Carbon Supported Platinum Nanoparticles as an Efficient and Durable Catalyst for Oxidation in Benzene. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 7255-7266.	6.7	17
79	Fabrication of Au/Pd alloy nanoparticle/ <i>Pichia pastoris</i> composites: a microorganism-mediated approach. <i>RSC Advances</i> , 2013, 3, 15389.	3.6	16
80	High Catalytic Stability for CO Oxidation over Au/TiO <sub>2</sub> Catalysts by <i>Cinnamomum camphora</i> Leaf Extract. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 14910-14914.	3.7	16
81	Application of 2-hydroxy-1,4-naphthoquinone-graphene oxide (HNQ-GO) composite as recyclable catalyst to enhance Cr(VI) reduction by <i>Shewanella xiamenensis</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 446-454.	3.2	16
82	Microorganism-mediated, CTAB-directed synthesis of hierarchically branched Au-nanowire/ <i>Escherichia coli</i> nanocomposites with strong near-infrared absorbance. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 1410-1418.	3.2	15
83	g-C <sub>3</sub> N <sub>4</sub> -SiC@Pt for Enhanced Photocatalytic H <sub>2</sub> Production from Water under Visible Light Irradiation. <i>Energy Technology</i> , 2019, 7, 1900017.	3.8	15
84	Insight into the Effect of Copper Substitution on the Catalytic Performance of LaCoO <sub>3</sub> -Based Catalysts for Direct Epoxidation of Propylene with Molecular Oxygen. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 794-808.	6.7	15
85	Hollow ZSM-5 zeolite encapsulating Pt nanoparticles: Cage-confinement effects for the enhanced catalytic oxidation of benzene. <i>Chemosphere</i> , 2022, 292, 133446.	8.2	15
86	An outer membrane photosensitized <i>Geobacter sulfurreducens</i> -CdS biohybrid for redox transformation of Cr(VI) and tetracycline. <i>Journal of Hazardous Materials</i> , 2022, 431, 128633.	12.4	14
87	Preparation of Cu <sub>2</sub> O nanowire-blended polysulfone ultrafiltration membrane with improved stability and antimicrobial activity. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	13
88	Synthesis of ZnO micro-flowers assisted by a plant-mediated strategy. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 1493-1504.	3.2	13
89	Confined growth of MOF nanocrystals using a "locked" metal ion source. <i>Journal of Materials Chemistry A</i> , 2021, 9, 3976-3984.	10.3	13
90	Interfacial effects in CuO/Co <sub>3</sub> O <sub>4</sub> heterostructures enhance benzene catalytic oxidation performance. <i>Environmental Science: Nano</i> , 2022, 9, 781-796.	4.3	13

#	ARTICLE	IF	CITATIONS
91	Optimization of medium components for plasmid production by recombinant <i>E. coli</i> DH5 $\alpha$ pUK21CMV $\beta$ 1.2. <i>Biotechnology and Bioprocess Engineering</i> , 2007, 12, 213-221.	2.6	12
92	Production of Silver Nanoparticles in a Continuous Stirred Tank Reactor Based on Plant-Mediated Biosynthesis: Flow Behaviors and Residence Time Distribution Prediction by Computational Fluid Dynamics Simulation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 2280-2289.	3.7	12
93	Preparation of Ag $\beta$ -Al $_2$ O $_3$ for ethylene epoxidation through thermal decomposition assisted by extract of <i>Cinnamomum camphora</i> . <i>RSC Advances</i> , 2013, 3, 20732.	3.6	12
94	A novel AQDS $\beta$ -rGO composite to enhance the bioreduction of As( $v$ )/Fe( $iii$ ) from the flooded arsenic-rich soil. <i>RSC Advances</i> , 2017, 7, 31075-31084.	3.6	12
95	Biomass-Modified Au/TS-1 as Highly Efficient and Stable Nanocatalysts for Propene Epoxidation with O $_2$ and H $_2$ . <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 21953-21960.	3.7	12
96	Biophenol-Mediated Solvent-Free Synthesis of Titanium Silicalite-1 to Improve the Acidity Character of Framework Ti toward Catalysis Application. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 12177-12186.	6.7	12
97	Microorganism $\beta$ -mediated, CTAC $\beta$ -directed synthesis of SERS $\beta$ -sensitive Au nanohorns with three $\beta$ -dimensional nanostructures by <i>Escherichia coli</i> cells. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 678-685.	3.2	11
98	Alternative method for preparation of Au/TiO $_2$ with precise Au $_0$ /Au $_I^+$ . <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 2125-2130.	3.2	11
99	Template-free Synthesis of Stable Cobalt Manganese Spinel Hollow Nanostructured Catalysts for Highly Water-Resistant CO Oxidation. <i>IScience</i> , 2019, 21, 19-30.	4.1	11
100	Biomimetic Au/CeO $_2$ Catalysts Decorated with Hemin or Ferrous Phthalocyanine for Improved CO Oxidation via Local Synergistic Effects. <i>IScience</i> , 2020, 23, 101852.	4.1	11
101	Continuous-flow biosynthesis of Au $\beta$ -Ag bimetallic nanoparticles in a microreactor. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	10
102	Microwave-Assisted Biosynthesis of Ag/ZrO $_2$ Catalyst with Excellent Activity toward Selective Oxidation of 1,2-Propanediol. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 5373-5380.	3.7	10
103	Facile morphology control of 3D porous CeO $_2$ for CO oxidation. <i>RSC Advances</i> , 2018, 8, 21658-21663.	3.6	10
104	Role of Mineral Nutrients in Plant-Mediated Synthesis of Three-Dimensional Porous LaCo $_3$ . <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 8555-8564.	3.7	10
105	High efficiency of batch operated biofilm hydrolytic $\beta$ -aerobic recycling process in degradation of 2,4-dichlorophenol. <i>Journal of Hazardous Materials</i> , 2008, 152, 536-544.	12.4	9
106	Effect of surface physicochemical properties on the flocculation behavior of <i>Bacillus licheniformis</i> . <i>RSC Advances</i> , 2017, 7, 16049-16056.	3.6	9
107	Synthesis of Short-Chain-Length and Medium-Chain-Length Polyhydroxyalkanoate Blends from Activated Sludge by Manipulating Octanoic Acid and Nonanoic Acid as Carbon Sources. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 11043-11054.	5.2	9
108	Seed-Induced Zeolitic TS-1 Immobilized with Bioinspired-Au Nanoparticles for Propylene Epoxidation with O $_2$ and H $_2$ . <i>Catalysis Letters</i> , 2020, 150, 1798-1811.	2.6	9

#	ARTICLE	IF	CITATIONS
109	Activation of molecular oxygen over Mn-doped La <sub>2</sub> CuO <sub>4</sub> perovskite for direct epoxidation of propylene. <i>Catalysis Science and Technology</i> , 2022, 12, 2426-2437.	4.1	9
110	Visbreaking of heavy petroleum oil catalyzed by SO <sub>4</sub> <sup>2-</sup> /ZrO <sub>2</sub> solid super-acid doped with Ni <sup>2+</sup> or Sn <sup>2+</sup> . <i>Frontiers of Chemical Engineering in China</i> , 2008, 2, 186-190.	0.6	8
111	Poly- <sup>13</sup> -glutamic acid produced from <i>Bacillus licheniformis</i> CGMCC 2876 as a potential substitute for polyacrylamide in the sugarcane industry. <i>Biotechnology Progress</i> , 2015, 31, 1287-1294.	2.6	8
112	Adhesion Mechanisms and Electrochemical Applications of Microorganisms onto a GO-NH <sub>2</sub> Modified Carbon Felt Electrode Material. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 4321-4331.	3.7	7
113	Performance of Batch-Operated Combined Hydrolytic "Aerobic Biofilm Process in Treating Anthraquinone Reactive Dye Wastewater. <i>Environmental Engineering Science</i> , 2007, 24, 483-492.	1.6	6
114	Catalytic Application of Biogenic Platinum Nanoparticles for the Hydrogenation of Cinnamaldehyde to Cinnamyl Alcohol. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2015, 45, 967-973.	0.6	6
115	Biosynthesis of flat silver nanoflowers: from <i>Flos Magnoliae Officinalis</i> extract to simulation solution. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	5
116	Biosynthesized Gold/Activated Carbon Catalyst for Aerobic Glucose Oxidation: Influence of Acid Treatment on Activated Carbon. <i>Chinese Journal of Chemistry</i> , 2017, 35, 681-686.	4.9	5
117	Microorganism-Templated Nanoarchitectonics of Hollow TiO <sub>2</sub> -SiO <sub>2</sub> Microspheres with Enhanced Photocatalytic Activity for Degradation of Methyl Orange. <i>Nanomaterials</i> , 2022, 12, 1606.	4.1	5
118	Pt Nanoparticles Embedded in KOH-Activated Soybean Straw as an Efficient Catalyst toward Benzene Oxidation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 3561-3571.	3.7	4
119	One-Step Synthesis of Au-Ag Nanowires through Microorganism-Mediated, CTAB-Directed Approach. <i>Nanomaterials</i> , 2018, 8, 376.	4.1	3
120	Engineering TiO <sub>2</sub> nanosheets with exposed (001) facets via the incorporation of Au clusters for boosted photocatalytic hydrogen production. <i>Materials Advances</i> , 2020, 1, 1608-1612.	5.4	3
121	Structure engineering of alveoli-like ZSM-5 with encapsulated Pt nanoparticles for the enhanced benzene oxidation. <i>Nanoscale</i> , 2022, 14, 250-262.	5.6	3
122	Separation of biosynthesized gold nanoparticles by density gradient centrifugation. <i>Separation Science and Technology</i> , 2017, 52, 951-957.	2.5	2
123	"ALL FREE" a novel design concept of applying partial oxidation process to vehicle engine. <i>Frontiers of Chemical Engineering in China</i> , 2010, 4, 207-212.	0.6	0
124	Experimental Isobaric Vapor Liquid Equilibrium for Binary Systems Diethylene Glycol Dibenzate + Diethylene Glycol, Diethylene Glycol Dibenzate + Octyl Benzoate, and Ternary System Diethylene Glycol Dibenzate + Diethylene Glycol + Octyl Benzoate at 1.0152 kPa. <i>Journal of Chemical &amp; Engineering Data</i> , 2018, 63, 3823-3828.	1.9	0
125	ANALYSIS OF SWELLING BEHAVIOR OF POLYMERIC MEMBRANES IN SOLUTIONS USING UNIFAC-FV-HB ACTIVITY COEFFICIENT MODEL. , 2004, , .		0