

Xiarong Zheng

List of Publications by Year in descending order

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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	Interfacial effects in CuO/Co ₃ O ₄ heterostructures enhance benzene catalytic oxidation performance. <i>Environmental Science: Nano</i> , 2022, 9, 781-796.	4.3	13
2	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
3	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
4	Activation of molecular oxygen over Mn-doped La ₂ CuO ₄ perovskite for direct epoxidation of propylene. <i>Catalysis Science and Technology</i> , 2022, 12, 2426-2437.	4.1	9
5	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
6	Fabrication of Pd/In ₂ O ₃ Nanocatalysts Derived from MIL-68(In) Loaded with Molecular Metalloporphyrin (TCPP(Pd)) Toward CO ₂ Hydrogenation to Methanol. <i>ACS Catalysis</i> , 2022, 12, 709-723.	11.2	27
7	Microorganism-Templated Nanoarchitectonics of Hollow TiO ₂ -SiO ₂ Microspheres with Enhanced Photocatalytic Activity for Degradation of Methyl Orange. <i>Nanomaterials</i> , 2022, 12, 1606.	4.1	5
8	Role of Cu _x O-Anchored Pyrolyzed Hydrochars on H ₂ O ₂ -Activated Degradation of Tetracycline: Effects of Pyrolysis Temperature and pH. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 8847-8857.	3.7	31
9	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
10	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
11	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
12	Pt Nanoparticles Embedded in KOH-Activated Soybean Straw as an Efficient Catalyst toward Benzene Oxidation. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 3561-3571.	3.7	4
13	Adhesion Mechanisms and Electrochemical Applications of Microorganisms onto a GO-NH ₂ Modified Carbon Felt Electrode Material. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 4321-4331.	3.7	7
14	A novel PVDF-TiO ₂ @g-C ₃ N ₄ 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
15	Design and Synthesis of Bioinspired ZnZrO _x & Bio-ZSM-5 Integrated Nanocatalysts to Boost CO ₂ Hydrogenation to Light Olefins. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 6446-6458.	6.7	23
16	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
17	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
18	Insight into the Effect of Copper Substitution on the Catalytic Performance of LaCoO ₃ -Based Catalysts for Direct Epoxidation of Propylene with Molecular Oxygen. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 794-808.	6.7	15

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19	Biogenic Pt/CaCO ₃ Nanocomposite as a Robust Catalyst toward Benzene Oxidation. ACS Applied Materials & Interfaces, 2020, 12, 2469-2480.	8.0	44
20	Seed-Induced Zeolitic TS-1 Immobilized with Bioinspired-Au Nanoparticles for Propylene Epoxidation with O ₂ and H ₂ . Catalysis Letters, 2020, 150, 1798-1811.	2.6	9
21	Internalized Carbon Dots for Enhanced Extracellular Electron Transfer in the Dark and Light. Small, 2020, 16, e2004194.	10.0	23
22	Green synthesized iron nanoparticles as highly efficient fenton-like catalyst for degradation of dyes. Chemosphere, 2020, 261, 127618.	8.2	33
23	Electrically Heatable Graphene Aerogels as Nanoparticle Supports in Adsorptive Desulfurization and High-Pressure CO ₂ Capture. Advanced Functional Materials, 2020, 30, 2002788.	14.9	38
24	Biophenol-Mediated Solvent-Free Synthesis of Titanium Silicalite-1 to Improve the Acidity Character of Framework Ti toward Catalysis Application. ACS Sustainable Chemistry and Engineering, 2020, 8, 12177-12186.	6.7	12
25	Pd Supported on MIL-68(In)-Derived In ₂ O ₃ Nanotubes as Superior Catalysts to Boost CO ₂ Hydrogenation to Methanol. ACS Catalysis, 2020, 10, 13275-13289.	11.2	107
26	Crystal Facet Induced Single-Atom Pd/Co _x O _y on a Tunable Metal-Support Interface for Low Temperature Catalytic Oxidation. Small, 2020, 16, e2002071.	10.0	22
27	Engineering TiO ₂ nanosheets with exposed (001) facets via the incorporation of Au clusters for boosted photocatalytic hydrogen production. Materials Advances, 2020, 1, 1608-1612.	5.4	3
28	Hydrogenation of CO ₂ to Dimethyl Ether over Tandem Catalysts Based on Biotemplated Hierarchical ZSM-5 and Pd/ZnO. ACS Sustainable Chemistry and Engineering, 2020, 8, 14058-14070.	6.7	34
29	Biomimetic Au/CeO ₂ Catalysts Decorated with Hemin or Ferrous Phthalocyanine for Improved CO Oxidation via Local Synergistic Effects. IScience, 2020, 23, 101852.	4.1	11
30	Titanium silicalite-1 zeolite encapsulating Au particles as a catalyst for vapor phase propylene epoxidation with H ₂ /O ₂ : a matter of Au-Ti synergic interaction. Journal of Materials Chemistry A, 2020, 8, 4428-4436.	10.3	34
31	TiO ₂ nanoparticles accelerate methanogenesis in mangrove wetlands sediment. Science of the Total Environment, 2020, 713, 136602.	8.0	20
32	Preparation and characterization of ethyl cellulose film modified with capsaicin. Carbohydrate Polymers, 2020, 241, 116259.	10.2	39
33	The influence of variables on the bioavailability of heavy metals during the anaerobic digestion of swine manure. Ecotoxicology and Environmental Safety, 2020, 195, 110457.	6.0	32
34	Preparation of Integrated CuO/ZnO/OS Nanocatalysts by Using Acid-Etched Oyster Shells as a Support for CO ₂ Hydrogenation. ACS Sustainable Chemistry and Engineering, 2020, 8, 7162-7173.	6.7	17
35	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> . Journal of Chemical Technology and Biotechnology, 2019, 94, 446-454.	3.2	16
36	M _x O _y -Zr ₂ (M = Zn, Co, Cu) Solid Solutions Derived from Schiff Base-Bridged UiO-66 Composites as High-Performance Catalysts for CO ₂ Hydrogenation. ACS Applied Materials & Interfaces, 2019, 11, 33263-33272.	8.0	68

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37	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
38	Diatomite Supported Pt Nanoparticles as Efficient Catalyst for Benzene Removal. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 14008-14015.	3.7	35
39	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
40	Biomass-Modified Au/TS-1 as Highly Efficient and Stable Nanocatalysts for Propene Epoxidation with O ₂ and H ₂ . <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 21953-21960.	3.7	12
41	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
42	Influence of Preparation Methods on the Catalytic Activity of Pd@Cu/Mn ₂ O ₃ Catalyst in the Hydrogenation of 1,3-Butadiene. <i>ACS Omega</i> , 2019, 4, 1300-1310.	3.5	17
43	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
44	Green Photocatalytic Oxidation of Benzyl Alcohol over Noble-Metal-Modified H ₂ Ti ₃ O ₇ Nanowires. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 9717-9726.	6.7	42
45	Role of Mineral Nutrients in Plant-Mediated Synthesis of Three-Dimensional Porous LaCo ₃ . <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 8555-8564.	3.7	10
46	g-C ₃ N ₄ @SiC@Pt for Enhanced Photocatalytic H ₂ Production from Water under Visible Light Irradiation. <i>Energy Technology</i> , 2019, 7, 1900017.	3.8	15
47	Maghemite (γ-Fe ₂ O ₃) 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
48	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
49	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
50	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
51	Rape Pollen-Templated Synthesis of C,N Self-Doped Hierarchical TiO ₂ for Selective Hydrogenation of 1,3-Butadiene. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 882-888.	6.7	37
52	Green synthesis of g-C ₃ N ₄ -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
53	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
54	High Catalytic Stability for CO Oxidation over Au/TiO ₂ Catalysts by <i>Cinnamomum camphora</i> Leaf Extract. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 14910-14914.	3.7	16

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55	Experimental Isobaric Vapor Liquid Equilibrium for Binary Systems Diethylene Glycol Dibenzoate + Diethylene Glycol, Diethylene Glycol Dibenzoate + Octyl Benzoate, and Ternary System Diethylene Glycol Dibenzoate + Diethylene Glycol + Octyl Benzoate at 1.0152 kPa. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 3823-3828.	1.9	0
56	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
57	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
58	One-Step Synthesis of Au-Ag Nanowires through Microorganism-Mediated, CTAB-Directed Approach. <i>Nanomaterials</i> , 2018, 8, 376.	4.1	3
59	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
60	Facile morphology control of 3D porous CeO ₂ for CO oxidation. <i>RSC Advances</i> , 2018, 8, 21658-21663.	3.6	10
61	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
62	Separation of biosynthesized gold nanoparticles by density gradient centrifugation. <i>Separation Science and Technology</i> , 2017, 52, 951-957.	2.5	2
63	Nano-sized Fe ₂ O ₃ /Fe ₃ O ₄ facilitate anaerobic transformation of hexavalent chromium in soil-water systems. <i>Journal of Environmental Sciences</i> , 2017, 57, 329-337.	6.1	20
64	Effect of glucose on poly- γ -glutamic acid metabolism in <i>Bacillus licheniformis</i> . <i>Microbial Cell Factories</i> , 2017, 16, 22.	4.0	27
65	Production of graphene nanosheets by supercritical CO ₂ process coupled with micro-jet exfoliation. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2017, 25, 691-698.	2.1	17
66	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
67	A novel AQDS-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
68	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
69	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
70	A novel solid digestate-derived biochar-Cu NP composite activating H ₂ O ₂ system for simultaneous adsorption and degradation of tetracycline. <i>Environmental Pollution</i> , 2017, 221, 301-310.	7.5	85
71	Strong Near-Infrared Absorbing and Biocompatible CuS Nanoparticles for Rapid and Efficient Photothermal Ablation of Gram-Positive and -Negative Bacteria. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 36606-36614.	8.0	171
72	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

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73	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
74	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
75	Identification of key genes involved in polysaccharide bioflocculant synthesis in <i>Bacillus licheniformis</i> . <i>Biotechnology and Bioengineering</i> , 2017, 114, 645-655.	3.3	29
76	Characterization of a novel bioflocculant from a marine bacterium and its application in dye wastewater treatment. <i>BMC Biotechnology</i> , 2017, 17, 84.	3.3	38
77	Increasing the bioflocculant production and identifying the effect of overexpressing <i>epsB</i> on the synthesis of polysaccharide and γ -PGA in <i>Bacillus licheniformis</i> . <i>Microbial Cell Factories</i> , 2017, 16, 163.	4.0	18
78	Alternative method for preparation of Au/TiO_2 with precise Au^0/Au^+ . <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 2125-2130.	3.2	11
79	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
80	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
81	Effectiveness and mechanisms of ammonium adsorption on biochars derived from biogas residues. <i>RSC Advances</i> , 2016, 6, 88373-88381.	3.6	44
82	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
83	Estimating the Fates of C and N in Various Anaerobic Codigestions of Manure and Lignocellulosic Biomass Based on Artificial Neural Networks. <i>Energy & Fuels</i> , 2016, 30, 9490-9501.	5.1	18
84	Transformation of metal-organic frameworks for molecular sieving membranes. <i>Nature Communications</i> , 2016, 7, 11315.	12.8	140
85	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
86	Microorganism-mediated, CTAC-directed synthesis of SERS-sensitive Au nanohorns with three-dimensional nanostructures by <i>Escherichia coli</i> cells. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 678-685.	3.2	11
87	Poly- γ -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
88	Preparation of Cu ₂ O nanowire-blended polysulfone ultrafiltration membrane with improved stability and antimicrobial activity. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	13
89	Novel AuPd nanostructures for hydrogenation of 1,3-butadiene. <i>Journal of Materials Chemistry A</i> , 2015, 3, 4846-4854.	10.3	21
90	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

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91	Microwave-Assisted Biosynthesis of Ag/ZrO ₂ Catalyst with Excellent Activity toward Selective Oxidation of 1,2-Propanediol. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 5373-5380.	3.7	10
92	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
93	Ni ₂ 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
94	Continuous-flow biosynthesis of Au@Ag bimetallic nanoparticles in a microreactor. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	10
95	Plant-Mediated Fabrication and Surface Enhanced Raman Property of Flower-Like Au@Pd Nanoparticles. <i>Materials</i> , 2014, 7, 1360-1369.	2.9	30
96	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
97	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
98	A novel sulfur source for biosynthesis of (Ag, S)-modified TiO ₂ photoanodes in DSSC. <i>Materials Letters</i> , 2014, 123, 83-86.	2.6	19
99	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
100	Biosynthesized Ag ₁ -Al ₂ O ₃ catalyst for ethylene epoxidation: the influence of silver precursors. <i>RSC Advances</i> , 2014, 4, 27597-27603.	3.6	29
101	Biosynthesized Bimetallic Au@Pd Nanoparticles Supported on TiO ₂ for Solvent-Free Oxidation of Benzyl Alcohol. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 1752-1759.	6.7	100
102	Influence of Au Particle Size on Au/TiO ₂ Catalysts for CO Oxidation. <i>Journal of Physical Chemistry C</i> , 2014, 118, 19150-19157.	3.1	72
103	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
104	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
105	Production of poly(hydroxybutyrate-co-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
106	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
107	Green synthesis of Au@Ag alloy nanoparticles using <i>Cacumen platycladi</i> extract. <i>RSC Advances</i> , 2013, 3, 1878-1884.	3.6	94
108	Trisodium Citrate-Assisted Biosynthesis of Silver Nanoflowers by <i>Canarium album Foliar Broths</i> as a Platform for SERS Detection. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 5085-5094.	3.7	34

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109	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 & Engineering Chemistry Research</i> , 2013, 52, 2280-2289.	3.7	12
110	A novel biomass coated Ag@TiO ₂ composite as a photoanode for enhanced photocurrent in dye-sensitized solar cells. <i>RSC Advances</i> , 2013, 3, 6369.	3.6	63
111	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
112	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
113	Preparation of Ag ₂ S-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
114	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
115	Vapor-Phase Propylene Epoxidation with H ₂ /O ₂ over Bioreduction Au/TS-1 Catalysts: Synthesis, Characterization, and Optimization. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 9019-9026.	3.7	50
116	Biogenic Silver Nanoparticles by <i>Cacumen Platycladi</i> Extract: Synthesis, Formation Mechanism, and Antibacterial Activity. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 9095-9106.	3.7	171
117	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
118	“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
119	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
120	Visbreaking of heavy petroleum oil catalyzed by SO ₄ ²⁻ /ZrO ₂ solid super-acid doped with Ni ²⁺ or Sn ²⁺ . <i>Frontiers of Chemical Engineering in China</i> , 2008, 2, 186-190.	0.6	8
121	High efficiency of batch operated biofilm hydrolytic-aerobic recycling process in degradation of 2,4-dichlorophenol. <i>Journal of Hazardous Materials</i> , 2008, 152, 536-544.	12.4	9
122	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
123	Optimization of medium components for plasmid production by recombinant <i>E. coli</i> DH5 α pUK21CMV β 1.2. <i>Biotechnology and Bioprocess Engineering</i> , 2007, 12, 213-221.	2.6	12
124	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
125	ANALYSIS OF SWELLING BEHAVIOR OF POLYMERIC MEMBRANES IN SOLUTIONS USING UNIFAC-FV-HB ACTIVITY COEFFICIENT MODEL. , 2004, , .		0