

Yanmei Zheng

List of Publications by Year in descending order

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31
papers

1,075
citations

471509

17
h-index

434195

31
g-index

32
all docs

32
docs citations

32
times ranked

1402
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Plant-mediated synthesis of platinum nanoparticles and its bioreductive mechanism. <i>Journal of Colloid and Interface Science</i> , 2013, 396, 138-145.	9.4	123
3	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
4	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
5	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
6	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
7	Effectiveness and mechanisms of ammonium adsorption on biochars derived from biogas residues. <i>RSC Advances</i> , 2016, 6, 88373-88381.	3.6	44
8	Mass balances and distributions of C, N, and P in the anaerobic digestion of different substrates and relationships between products and substrates. <i>Chemical Engineering Journal</i> , 2016, 287, 329-336.	12.7	44
9	Coral-like CoMnO _x as a Highly Active Catalyst for Benzene Catalytic Oxidation. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 2882-2890.	3.7	43
10	Durable super-hydrophobic PDMS@SiO ₂ @WS ₂ sponge for efficient oil/water separation in complex marine environment. <i>Environmental Pollution</i> , 2021, 269, 116118.	7.5	42
11	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
12	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
13	Enhancement of digestates dewaterability by CTAB combined with CFA pretreatment. <i>Separation and Purification Technology</i> , 2016, 163, 282-289.	7.9	23
14	Characteristics of the Marangoni Convection Induced in Initial Quiescent Water. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 8770-8777.	3.7	22
15	Improved ADM1 for modelling C, N, P fates in anaerobic digestion process of pig manure and optimization approaches to biogas production. <i>Renewable Energy</i> , 2020, 146, 2330-2336.	8.9	21
16	High-Flux and Robust Co ₃ O ₄ Mesh for Efficient Oil/Water Separation in Harsh Environment. <i>ACS Omega</i> , 2019, 4, 7385-7390.	3.5	20
17	Carbon quantum dots functionalized g-C ₃ N ₄ nanosheets as enhanced visible-light photocatalysts for water splitting. <i>Diamond and Related Materials</i> , 2021, 116, 108242.	3.9	20
18	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

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19	Green synthesis of g-C ₃ N ₄ -Pt catalyst and application to photocatalytic hydrogen evolution from water splitting. Fullerenes Nanotubes and Carbon Nanostructures, 2018, 26, 688-695.	2.1	18
20	Component analysis and risk assessment of biogas slurry from biogas plants. Chinese Journal of Chemical Engineering, 2022, 44, 182-191.	3.5	18
21	Production of graphene nanosheets by supercritical CO ₂ process coupled with micro-jet exfoliation. Fullerenes Nanotubes and Carbon Nanostructures, 2017, 25, 691-698.	2.1	17
22	Oxygen-Enriched Biomass-Activated Carbon Supported Platinum Nanoparticles as an Efficient and Durable Catalyst for Oxidation in Benzene. ACS Sustainable Chemistry and Engineering, 2021, 9, 7255-7266.	6.7	17
23	Fabrication of Au/Pd alloy nanoparticle/Pichia pastoris composites: a microorganism-mediated approach. RSC Advances, 2013, 3, 15389.	3.6	16
24	g-C ₃ N ₄ @SiC@Pt for Enhanced Photocatalytic H ₂ Production from Water under Visible Light Irradiation. Energy Technology, 2019, 7, 1900017.	3.8	15
25	Photoinduced Pt-Decorated Expanded Graphite toward Low-Temperature Benzene Catalytic Combustion. Industrial & Engineering Chemistry Research, 2020, 59, 11453-11461.	3.7	14
26	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
27	Facile morphology control of 3D porous CeO ₂ for CO oxidation. RSC Advances, 2018, 8, 21658-21663.	3.6	10
28	Graphene/Copper Nanoparticles as Thermal Interface Materials. ACS Applied Nano Materials, 2022, 5, 3450-3457.	5.0	8
29	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
30	Separation of biosynthesized gold nanoparticles by density gradient centrifugation. Separation Science and Technology, 2017, 52, 951-957.	2.5	2
31	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. Journal of Chemical & Engineering Data, 2018, 63, 3823-3828.	1.9	0