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	Component analysis and risk assessment of biogas slurry from biogas plants. Chinese Journal of Chemical Engineering, 2022, 44, 182-191.	3.5	18
2	Graphene/Copper Nanoparticles as Thermal Interface Materials. ACS Applied Nano Materials, 2022, 5, 3450-3457.	5.0	8
3	Effects of substrate types on the transformation of heavy metal speciation and bioavailability in an anaerobic digestion system. Journal of Environmental Sciences, 2021, 101, 361-372.	6.1	34
4	Durable super-hydrophobic PDMS@SiO2@WS2 sponge for efficient oil/water separation in complex marine environment. Environmental Pollution, 2021, 269, 116118.	7.5	42
5	A novel PVDF-TiO2@g-C3N4 composite electrospun fiber for efficient photocatalytic degradation of tetracycline under visible light irradiation. Ecotoxicology and Environmental Safety, 2021, 210, 111866.	6.0	54
6	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
7	Carbon quantum dots functionalized g-C3N4 nanosheets as enhanced visible-light photocatalysts for water splitting. Diamond and Related Materials, 2021, 116, 108242.	3.9	20
8	Improved ADM1 for modelling C, N, P fates in anaerobic digestion process of pig manure and optimization approaches to biogas production. Renewable Energy, 2020, 146, 2330-2336.	8.9	21
9	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
10	Engineering TiO2 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
11	Photoinduced Pt-Decorated Expanded Graphite toward Low-Temperature Benzene Catalytic Combustion. Industrial & Engineering Chemistry Research, 2020, 59, 11453-11461.	3.7	14
12	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
13	Coral-like CoMnO_x as a Highly Active Catalyst for Benzene Catalytic Oxidation. Industrial & Engineering Chemistry Research, 2019, 58, 2882-2890.	3.7	43
14	High-Flux and Robust Co3O4 Mesh for Efficient Oil/Water Separation in Harsh Environment. ACS Omega, 2019, 4, 7385-7390.	3.5	20
15	gâ€C₃N₄â€SiCâ€Pt for Enhanced Photocatalytic H₂ Production from Water under Visible Light Irradiation. Energy Technology, 2019, 7, 1900017.	3.8	15
16	Green synthesis of g-C₃N₄-Pt catalyst and application to photocatalytic hydrogen evolution from water splitting. Fullerenes Nanotubes and Carbon Nanostructures, 2018, 26, 688-695.	2.1	18
17	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
18	Nitrogen and phosphorus removal from anaerobically digested wastewater by microalgae cultured in a novel membrane photobioreactor. Biotechnology for Biofuels, 2018, 11, 190.	6.2	77

#	Article	IF	Citations
19	Facile morphology control of 3D porous CeO₂ for CO oxidation. RSC Advances, 2018, 8, 21658-21663.	3.6	10
20	Separation of biosynthesized gold nanoparticles by density gradient centrifugation. Separation Science and Technology, 2017, 52, 951-957.	2.5	2
21	Production of graphene nanosheets by supercritical CO₂ process coupled with micro-jet exfoliation. Fullerenes Nanotubes and Carbon Nanostructures, 2017, 25, 691-698.	2.1	17
22	Enhancement of digestates dewaterability by CTAB combined with CFA pretreatment. Separation and Purification Technology, 2016, 163, 282-289.	7.9	23
23	Effectiveness and mechanisms of ammonium adsorption on biochars derived from biogas residues. RSC Advances, 2016, 6, 88373-88381.	3.6	44
24	Nitrogen and phosphorus removal coupled with carbohydrate production by five microalgae cultures cultivated in biogas slurry. Bioresource Technology, 2016, 221, 385-393.	9.6	63
25	Estimating the Fates of C and N in Various Anaerobic Codigestions of Manure and Lignocellulosic Biomass Based on Artificial Neural Networks. Energy & Fuels, 2016, 30, 9490-9501.	5.1	18
26	Mass balances and distributions of C, N, and P in the anaerobic digestion of different substrates and relationships between products and substrates. Chemical Engineering Journal, 2016, 287, 329-336.	12.7	44
27	Biogenic flower-shaped Auâ€“Pd nanoparticles: synthesis, SERS detection and catalysis towards benzyl alcohol oxidation. Journal of Materials Chemistry A, 2014, 2, 1767-1773.	10.3	73
28	Fabrication of Au/Pd alloy nanoparticle/Pichia pastoris composites: a microorganism-mediated approach. RSC Advances, 2013, 3, 15389.	3.6	16
29	Plant-mediated synthesis of platinum nanoparticles and its bioreductive mechanism. Journal of Colloid and Interface Science, 2013, 396, 138-145.	9.4	123
30	Biogenic Silver Nanoparticles by Cacumen Platycladi Extract: Synthesis, Formation Mechanism, and Antibacterial Activity. Industrial & Engineering Chemistry Research, 2011, 50, 9095-9106.	3.7	171
31	Characteristics of the Marangoni Convection Induced in Initial Quiescent Water. Industrial & Engineering Chemistry Research, 2010, 49, 8770-8777.	3.7	22