

Honglei Zhang

List of Publications by Year in descending order

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17
papers

453
citations

759233

12
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

608
citing authors

#	ARTICLE	IF	CITATIONS
1	Microwave assisted esterification of acidified oil from waste cooking oil by CERP/PES catalytic membrane for biodiesel production. <i>Bioresource Technology</i> , 2012, 123, 72-77.	9.6	78
2	Visible-light-driven CO ₂ reduction to ethylene on CdS: Enabled by structural relaxation-induced intermediate dimerization and enhanced by ZIF-8 coating. <i>Applied Catalysis B: Environmental</i> , 2021, 285, 119834.	20.2	71
3	Plane tree bark-derived mesopore-dominant hierarchical carbon for high-voltage supercapacitors. <i>Applied Surface Science</i> , 2020, 507, 145190.	6.1	50
4	Kinetics of esterification of acidified oil with different alcohols by a cation ion-exchange resin/polyethersulfone hybrid catalytic membrane. <i>Bioresource Technology</i> , 2012, 112, 28-33.	9.6	43
5	Batch and continuous esterification for the direct synthesis of high qualified biodiesel from waste cooking oils (WCO) with Amberlyst-15/Poly (vinyl alcohol) membrane as a bifunctional catalyst. <i>Chemical Engineering Journal</i> , 2020, 388, 124214.	12.7	37
6	Highly efficient hydrolysis of magnetic milled powder from waste aluminum (Al) cans with low-concentrated alkaline solution for hydrogen generation. <i>International Journal of Energy Research</i> , 2019, 43, 4797-4806.	4.5	28
7	Toward Commercially Viable Li-S Batteries: Overall Performance Improvements Enabled by a Multipurpose Interlayer of Hyperbranched Polymer-Grafted Carbon Nanotubes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 25767-25774.	8.0	23
8	Highly Efficient Sulfonic/Carboxylic Dual-Acid Synergistic Catalysis for Esterification Enabled by Sulfur-Rich Graphene Oxide. <i>ChemSusChem</i> , 2017, 10, 3352-3357.	6.8	21
9	Nanocarbon-based catalysts for esterification: Effect of carbon dimensionality and synergistic effect of the surface functional groups. <i>Carbon</i> , 2019, 147, 134-145.	10.3	19
10	Construction of 0D CeO ₂ /2D MnO ₂ heterostructure with high electrochemical performance. <i>Electrochimica Acta</i> , 2019, 319, 95-100.	5.2	17
11	A Highly Active, Readily Synthesized and Easily Separated Graphene Oxide (GO)/Polyethersulfone (PES) Catalytic Membrane for Biodiesel Production. <i>ChemistrySelect</i> , 2020, 5, 1676-1682.	1.5	16
12	Esterification of fatty acids from waste cooking oil to biodiesel over a sulfonated resin/PVA composite. <i>Catalysis Science and Technology</i> , 2016, 6, 5590-5598.	4.1	15
13	Highly efficient steam reforming of ethanol (SRE) over CeO _x grown on the nano Ni _x Mg _y O matrix: H ₂ production under a high GHSV condition. <i>International Journal of Energy Research</i> , 2019, 43, 3823-3836.	4.5	12
14	Preparation and characterization of activated aluminum powder by magnetic grinding method for hydrogen generation. <i>International Journal of Energy Research</i> , 2014, 38, 1016-1023.	4.5	10
15	Highly efficient and selectivity removal of heavy metal ions using single-layer Na K MnO ₂ nanosheet: A combination of experimental and theoretical study. <i>Chemosphere</i> , 2021, 275, 130068.	8.2	6
16	Facile Synthesis of MnO ₂ @Cellulose Composite Film. <i>Environmental Engineering Science</i> , 2019, 36, 583-588.	1.6	4
17	Crafting an active center with a local charge density gradient to facilitate photocatalytic ethylene production from CO ₂ . <i>Current Opinion in Green and Sustainable Chemistry</i> , 2022, 36, 100646.	5.9	3