

Zhenling Liu

List of Publications by Year in descending order

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62
papers

1,518
citations

304602

22
h-index

330025

37
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62
docs citations

62
times ranked

1538
citing authors

#	ARTICLE	IF	CITATIONS
1	An IGDT-based risk-involved optimal bidding strategy for hydrogen storage-based intelligent parking lot of electric vehicles. <i>Journal of Energy Storage</i> , 2020, 27, 101057.	3.9	232
2	Engineering pyrolysis biochar via single-step microwave steam activation for hazardous landfill leachate treatment. <i>Journal of Hazardous Materials</i> , 2020, 390, 121649.	6.5	110
3	Microwave pyrolysis valorization of used baby diaper. <i>Chemosphere</i> , 2019, 230, 294-302.	4.2	71
4	Combination of sonochemical and freeze-drying methods for synthesis of graphene/Ag-doped TiO ₂ nanocomposite: A strategy to boost the photocatalytic performance via well distribution of nanoparticles between graphene sheets. <i>Ceramics International</i> , 2020, 46, 7446-7452.	2.3	65
5	Predicting the electrical conductivity in polymer carbon nanotube nanocomposites based on the volume fractions and resistances of the nanoparticle, interphase, and tunneling regions in conductive networks. <i>RSC Advances</i> , 2018, 8, 19001-19010.	1.7	64
6	Designing an optimized configuration for a hybrid PV/Diesel/Battery Energy System based on metaheuristics: A case study on Gobi Desert. <i>Journal of Cleaner Production</i> , 2020, 270, 122467.	4.6	64
7	China's strategy for the development of renewable energies. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , 2017, 12, 971-975.	1.8	59
8	New Copper Complex on Fe ₃ O ₄ Nanoparticles as a Highly Efficient Reusable Nanocatalyst for Synthesis of Polyhydroquinolines in Water. <i>Catalysis Letters</i> , 2020, 150, 683-701.	1.4	53
9	Antioxidant and xanthine oxidase inhibitory activities of total polyphenols from onion. <i>Saudi Journal of Biological Sciences</i> , 2018, 25, 1509-1513.	1.8	46
10	What is the future of solar energy? Economic and policy barriers. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , 2018, 13, 169-172.	1.8	42
11	Study on biomolecules in extractives of <i>Camellia oleifera</i> fruit shell by GC-MS. <i>Saudi Journal of Biological Sciences</i> , 2018, 25, 234-236.	1.8	39
12	Application of LSSVM algorithm for estimating higher heating value of biomass based on ultimate analysis. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2018, 40, 709-715.	1.2	37
13	A detailed study of oxy-fuel combustion of biomass in a circulating fluidized bed (CFB) combustor: Evaluation of catalytic performance of metal nanoparticles (Al, Ni) for combustion efficiency improvement. <i>Energy</i> , 2016, 109, 1139-1147.	4.5	34
14	Novel forecasting model based on improved wavelet transform, informative feature selection, and hybrid support vector machine on wind power forecasting. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2018, 9, 1919-1931.	3.3	34
15	Characteristics of activated carbon remove sulfur particles against smog. <i>Saudi Journal of Biological Sciences</i> , 2017, 24, 1370-1374.	1.8	32
16	Application of LSSVM for biodiesel production using supercritical ethanol solvent. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2017, 39, 1869-1874.	1.2	31
17	Impacts of photovoltaic/wind turbine/microgrid turbine and energy storage system for bidding model in power system. <i>Journal of Cleaner Production</i> , 2019, 226, 845-857.	4.6	31
18	Circulating fluidized bed gasification of biomass for flexible end-use of syngas: a micro and nano scale study for production of bio-methanol. <i>Journal of Cleaner Production</i> , 2016, 129, 249-255.	4.6	27

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19	Adsorption characteristics of sulfur powder by bamboo charcoal to restrain sulfur allergies. Saudi Journal of Biological Sciences, 2017, 24, 103-107.	1.8	27
20	Economic analysis of energy production from coal/biomass upgrading; Part 1: Hydrogen production. Energy Sources, Part B: Economics, Planning and Policy, 2018, 13, 132-136.	1.8	27
21	Energy security in Group of Seven (G7): a quantitative approach for renewable energy policy. Energy Sources, Part B: Economics, Planning and Policy, 2018, 13, 173-175.	1.8	26
22	Gasification of municipal solid wastes: a review on the tar yields. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2019, 41, 1296-1304.	1.2	26
23	Economic analysis of methanol production from coal/biomass upgrading. Energy Sources, Part B: Economics, Planning and Policy, 2018, 13, 66-71.	1.8	25
24	Properties of antibacterial bioboard from bamboo macromolecule by hot press. Saudi Journal of Biological Sciences, 2018, 25, 465-468.	1.8	22
25	The chiller's electricity consumption simulation by considering the demand response program in power system. Applied Thermal Engineering, 2019, 149, 1114-1124.	3.0	22
26	Glycerol Cu(II) Complex Supported on Fe ₃ O ₄ Magnetic Nanoparticles: A New and Highly Efficient Reusable Catalyst for the Formation of Aryl-Sulfur and Aryl-Oxygen Bonds. Catalysis Letters, 2020, 150, 1128-1141.	1.4	22
27	Adsorption characteristics of sulfur solution by acticarbon against drinking-water toxicosis. Saudi Journal of Biological Sciences, 2017, 24, 1355-1360.	1.8	19
28	Desulphurization characteristics of bamboo charcoal from sulfur solution. Saudi Journal of Biological Sciences, 2017, 24, 127-131.	1.8	18
29	Properties of nonvolatile and antibacterial bioboard produced from bamboo macromolecules by hot pressing. Saudi Journal of Biological Sciences, 2018, 25, 474-478.	1.8	15
30	Teaching Reform of Business Statistics in College and University. Eurasia Journal of Mathematics, Science and Technology Education, 2017, 13, .	0.7	15
31	China's plans and policies for reducing CO ₂ emission from biomass-fired power plants: Modeling and economic study. Energy Sources, Part B: Economics, Planning and Policy, 2017, 12, 1001-1006.	1.8	14
32	Design, preparation and evaluation of a high performance sensor for formaldehyde based on a novel hybride nonocomposite ZnWO ₃ /rGO. Analytica Chimica Acta, 2019, 1051, 120-128.	2.6	14
33	A Novel ANFIS-PSO Network for forecasting oil flocculated asphaltene weight percentage at wide range of operation conditions. Petroleum Science and Technology, 2018, 36, 1044-1050.	0.7	12
34	Trisaminomethane-cobalt complex supported on Fe ₃ O ₄ magnetic nanoparticles as an efficient recoverable nanocatalyst for oxidation of sulfides and C-S coupling reactions. Applied Organometallic Chemistry, 2020, 34, e5260.	1.7	11
35	Effects of elastic foundation on the large-amplitude vibration analysis of functionally graded GPL-RC annular sector plates. Engineering With Computers, 2022, 38, 325-345.	3.5	11
36	Magnetic nanoparticles supported copper catalysts: Synthesis of heterocyclic scaffolds. Synthetic Communications, 2020, 50, 2885-2905.	1.1	10

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37	Evaluation on Developing Level of Unban Agglomeration Derived from Resources Exploration. Journal of Applied Sciences, 2013, 13, 4702-4707.	0.1	10
38	Waste-to-energy policy in China: A national strategy for management of domestic energy reserves. Energy Sources, Part B: Economics, Planning and Policy, 2017, 12, 925-929.	1.8	9
39	Magnetic nanomaterials catalyzed synthesis of tetrazoles. Synthetic Communications, 2020, 50, 2629-2646.	1.1	9
40	Fe ₃ O ₄ @Lysine-Pd(0) organic-inorganic hybrid: As a novel heterogeneous magnetic nanocatalyst for chemo and homoselective [2 + 3] cycloaddition synthesis of 5-substituted 1H-tetrazoles. Applied Organometallic Chemistry, 2021, 35, e6133.	1.7	9
41	Effect of graphene nanoplatelets addition on the elastic properties of short ceramic fiber-reinforced aluminum-based hybrid nanocomposites. Mechanics Based Design of Structures and Machines, 2022, 50, 1417-1433.	3.4	8
42	Application of magnetically recoverable nanocatalysts in synthesis of imidazole, thiazole, and oxazoles. Synthetic Communications, 2020, 50, 2705-2734.	1.1	7
43	Lysine-Pd Complex Supported on Fe ₃ O ₄ MNPs: a novel recoverable magnetic nanocatalyst for Suzuki Cross-Coupling reaction. Applied Organometallic Chemistry, 2020, 34, e5668.	1.7	7
44	Recent advances in catalytic silylation of hydroxyl-bearing compounds: A green technique for protection of alcohols using Si-O bond formations. Applied Organometallic Chemistry, 2021, 35, e6131.	1.7	7
45	Should sustainable consumption and production be a policy priority for developing countries and if so, what areas should they focus on? Natural Resources Forum, 2010, 34, 85-88.	1.8	6
46	Chemical components and functions of Taxus chinensis extract. Journal of King Saud University - Science, 2020, 32, 1562-1568.	1.6	5
47	Ferrite nanoparticles (MFe ₂ O ₄ NPs) as magnetically recoverable supports for catalysis in organic synthesis. Synthetic Communications, 2020, 50, 2735-2754.	1.1	5
48	Zinc oxide and germanium dioxide adsorbed on silicon nanocage as anodes in lithium-ion battery and potassium-ion battery. Ionics, 2020, 26, 2211-2215.	1.2	4
49	Aluminum-doped silicon nanocage and boron-doped carbon nanocage as catalysts to oxygen reduction reaction (ORR): a computational investigation. Ionics, 2020, 26, 3085-3090.	1.2	4
50	Zinc nanomagnetic catalyts in organic synthesis. Synthetic Communications, 2021, 51, 37-56.	1.1	4
51	Fe ₃ O ₄ @HdMeen-Pd(0) Organic-Inorganic Hybrid: As a Novel Heterogeneous Nanocatalyst for Chemo and Homoselective Heck Cross-Coupling Synthesis of Butyl Cinnamates. Catalysis Letters, 2021, 151, 2207.	1.4	4
52	Experimental analysis of an integrated biomass gasification and PEM fuel cell system. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2018, , 1-8.	1.2	3
53	Magnetic nanocatalysts in synthesis of xanthenes. Synthetic Communications, 2020, 50, 3777-3795.	1.1	3
54	Magnetic recoverable nanomaterials: An efficient strategy for synthesis of pyrroles. Synthetic Communications, 2020, 50, 3044-3061.	1.1	2

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55	Medical molecules of waste Chinese buckeye seed from pharmacy. Thermal Science, 2020, 24, 1681-1687.	0.5	2
56	Molecules and functions of rosewood: Pterocarpus indicus. Thermal Science, 2020, 24, 1869-1876.	0.5	2
57	Synthesis of heterocycles using nanomagnetic nickel catalysts. Synthetic Communications, 2020, 50, 2906-2923.	1.1	1
58	The City Development Strategy: Based on the System Dynamics Method. , 2009, , .		0
59	Integrated Supply Chains of the Natural Disaster Relief Substances. , 2009, , .		0
60	Study on the Main Influencing Factors on the Online Shopping Behavior of the Undergraduate. , 2010, , .		0
61	Notice of Retraction: Study on the waste recycling and reuse patterns in coal mines. , 2010, , .		0
62	Molecular characteristics of Salix cheilophila chemical components. Thermal Science, 2020, 24, 1861-1868.	0.5	0