

Shuai Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4609640/publications.pdf>

Version: 2024-02-01

24
papers

171
citations

1163117
8
h-index

1281871
11
g-index

24
all docs

24
docs citations

24
times ranked

114
citing authors

#	ARTICLE	IF	CITATIONS
1	Modified Silica Adsorbents for Toluene Adsorption under Dry and Humid Conditions: Impacts of Pore Size and Surface Chemistry. <i>Langmuir</i> , 2019, 35, 8927-8934.	3.5	24
2	Investigating the combustion stability of shale gas engines under HHO. <i>Fuel</i> , 2021, 291, 120098.	6.4	14
3	Experimental study of regulated and unregulated emissions from a diesel engine using coal-based fuels. <i>Fuel</i> , 2020, 280, 118658.	6.4	11
4	Effects of a barium-based additive on gaseous and particulate emissions of a diesel engine. <i>Journal of Hazardous Materials</i> , 2022, 427, 128124.	12.4	11
5	Effect of binders on performance of Si/C composite as anode for Li-ion batteries. <i>Ionics</i> , 2019, 25, 2103-2109.	2.4	10
6	Influence of the surface microstructure of the fuel cell gas diffusion layer on the removal of liquid water. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 31764-31777.	7.1	10
7	Numerical simulation of two-phase flow in a multi-gas channel of a proton exchange membrane fuel cell. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 17713-17736.	7.1	10
8	Experimental Research on the Disruptive Evaporation and the Motion Characteristics of Secondary Droplets for Emulsified Biodiesel with a Suspended Droplet Configuration. <i>ACS Omega</i> , 2021, 6, 17848-17860.	3.5	9
9	Experiment Study on Major and Intermediate Species of Ethanol/n-Heptane Premixed Flames. <i>Combustion Science and Technology</i> , 2013, 185, 1786-1798.	2.3	8
10	Experimental study on the oxidation reaction parameters of different carbon structure particles. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 1063-1071.	2.3	8
11	Effect of hydrophilic pipe structure of proton exchange membrane fuel cell on water removal from the gas diffusion layer surface. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 30442-30454.	7.1	8
12	Analysis of the effect of particle-wall collision process in DPF on the spatial structure of smoke cake layer. <i>Environmental Science and Pollution Research</i> , 2021, 28, 26895-26905.	5.3	7
13	Decoupled analysis of the effect of hydroxyl functional groups on delay of ignition with fictitious hydroxyl. <i>Chemical Engineering Research and Design</i> , 2022, 161, 285-294.	5.6	7
14	Sphere-like TiO ₂ /Si anode material with superior performance for lithium ion batteries. <i>Ionics</i> , 2020, 26, 5349-5355.	2.4	5
15	Laminar Combustion Characteristics of Premixed Shale Gas and Air Flames. <i>Journal of Energy Engineering - ASCE</i> , 2020, 146, .	1.9	5
16	Study on the correlation between mechanical and oxidation characteristics of methanol/biodiesel particulate matter. <i>Environmental Science and Pollution Research</i> , 2020, 27, 32732-32741.	5.3	5
17	Investigation on the adsorption characteristics and influencing factors of diesel engine exhaust particulate matter. <i>Environmental Science and Pollution Research</i> , 2021, 28, 66242-66252.	5.3	5
18	Study on physicochemical properties of biodiesel and Fischer-Tropsch diesel exhaust particle. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022, 44, 139-152.	2.3	4

#	ARTICLE	IF	CITATIONS
19	Microexplosion Kinetics of Alcohol-Based Emulsified Biodiesel Droplets Evaporated in High Temperature. Journal of Energy Engineering - ASCE, 2021, 147, .	1.9	4
20	Analysis of the Influence of Dual Spark Plugs on the Combustion Stability of a Shale-Gas Engine. Journal of Energy Engineering - ASCE, 2022, 148, .	1.9	3
21	Facile preparation of SGC composite as anode for lithium-ion batteries. Ionics, 2018, 24, 2575-2581.	2.4	2
22	Research on the effects of diesel engine exhaust transport distance on particulate microstructure. Environmental Science and Pollution Research, 2021, 28, 564-573.	5.3	1
23	Effect of Hydrofluoric Acid Etching on Performance of Si/C Composite as Anode Material for Lithium-Ion Batteries. Journal of Nanomaterials, 2018, 2018, 1-6.	2.7	0
24	Correlation Analysis of Mechanical and State Characteristics of Diesel Engine Exhaust Particles. Environmental Progress and Sustainable Energy, 0, , .	2.3	0