

Kibum Kim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11833680/publications.pdf>

Version: 2024-02-01

22
papers

1,052
citations

1040056

9
h-index

677142

22
g-index

22
all docs

22
docs citations

22
times ranked

2113
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanostructured transition metal dichalcogenide electrocatalysts for CO ₂ reduction in ionic liquid. <i>Science</i> , 2016, 353, 467-470.	12.6	778
2	A study of solid particle flow characterization in solar particle receiver. <i>Solar Energy</i> , 2009, 83, 1784-1793.	6.1	68
3	Experimental and simulation study on wind affecting particle flow in a solar receiver. <i>Solar Energy</i> , 2010, 84, 263-270.	6.1	42
4	Interaction between iron based compound and soot particles in diffusion flame. <i>Energy</i> , 2016, 116, 933-941.	8.8	25
5	Investigation of the Swirl Effect on Diffusion Flame in a Direct-Injection (DI) Diesel Engine Using Image Processing Technology. <i>Energy & Fuels</i> , 2008, 22, 3687-3694.	5.1	24
6	Parametric study to optimize proton exchange membrane electrolyzer cells. <i>Applied Energy</i> , 2022, 314, 118928.	10.1	13
7	Effects of various mixer types on the spatial distribution of a De-NO _x reductant. <i>Fuel</i> , 2012, 94, 93-101.	6.4	12
8	Evaluation of automotive waste heat recovery for various driving modes. <i>Energy</i> , 2016, 106, 579-589.	8.8	11
9	Spiral mouthpiece design in a dry powder inhaler to improve aerosolization. <i>International Journal of Pharmaceutics</i> , 2018, 553, 149-156.	5.2	11
10	Investigation of coolant flow distribution and the effects of cavitation on water pump performance in an automotive cooling system. <i>International Journal of Energy Research</i> , 2009, 33, 224-234.	4.5	9
11	Effect of the Atkinson Cycle Combined with Calibration Factors on a Two-Stage Injection-Type Premixed Charge Compression Ignition Engine. <i>Energy & Fuels</i> , 2009, 23, 4908-4916.	5.1	9
12	Reduction in Harmful Emissions Using a Two-Stage Injection-Type Premixed Charge Compression Ignition Engine. <i>Environmental Engineering Science</i> , 2009, 26, 1567-1576.	1.6	8
13	Novel Strategies and Optimization Techniques to Reduce Harmful Diesel Engine Emissions. <i>Environmental Engineering Science</i> , 2012, 29, 335-342.	1.6	6
14	Influence of uniform deposition of molybdenum disulfide particles on electrochemical reaction. <i>Electrochimica Acta</i> , 2020, 353, 136480.	5.2	6
15	Effect of the heat exchanger in the waste heat recovery system on a gasoline engine performance. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2015, 229, 506-517.	1.9	5
16	Characterization of products from Fe(CO) ₅ seeded CO diffusion flame. <i>Energy</i> , 2018, 148, 802-808.	8.8	4
17	Simulation Model of Regenerative LNG Refrigeration System for Re-Liquification of BOG. <i>Energies</i> , 2020, 13, 3894.	3.1	4
18	Feasibility of using laser-induced breakdown spectroscopy for analyzing deposit formation change of molybdenum disulfide on gas diffusion electrode due to coating method. <i>Applied Optics</i> , 2019, 58, 6321.	1.8	4

#	ARTICLE	IF	CITATIONS
19	Change in spray behavior of pharmaceutical particles by creating bypass hole in dry powder inhaler. Powder Technology, 2022, 397, 117034.	4.2	4
20	Micromachined dimples on carbon electrode for enhancing electrochemical reaction. Energy Conversion and Management, 2022, 255, 115320.	9.2	4
21	Spray characteristics of four-hole injectors used for a hydrocarbon lean nitrogen oxide catalyst system in a diesel engine. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2012, 226, 1073-1087.	1.9	3
22	Newly designed mouthpiece to improve spray characteristics of pharmaceutical particles in dry powder inhaler. Powder Technology, 2022, 398, 117039.	4.2	2