

Yanzhi Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

290
citations

1307594

7
h-index

1474206

9
g-index

11
all docs

11
docs citations

11
times ranked

174
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular dynamics investigation of the vaporization characteristics of <i>n</i> -alkane blended fuels under different ambient conditions. <i>AIP Advances</i> , 2022, 12, 075309.	1.3	0
2	Assessing the Maximum Power and Consistency of Carbon Supercapacitors Through a Facile Practical Strategy. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 12430-12436.	6.7	7
3	Experimental study on the boiling criterion of the fuel film formed from spray/wall impingement. <i>Experiments in Fluids</i> , 2019, 60, 1.	2.4	3
4	Experimental study of combustion and emission characteristics of gasoline compression ignition (GCI) engines fueled by gasoline-hydrogenated catalytic biodiesel blends. <i>Energy</i> , 2019, 187, 115931.	8.8	27
5	An investigation on gasoline compression ignition (GCI) combustion in a heavy-duty diesel engine using gasoline/hydrogenated catalytic biodiesel blends. <i>Applied Thermal Engineering</i> , 2019, 160, 113952.	6.0	34
6	Construction of a decoupling physical-chemical surrogate (DPCS) for practical diesel fuel. <i>Applied Thermal Engineering</i> , 2019, 149, 536-547.	6.0	14
7	Numerical and experimental study of spray impingement and liquid film separation during the spray/wall interaction at expanding corners. <i>International Journal of Multiphase Flow</i> , 2018, 107, 67-81.	3.4	23
8	An efficient liquid film vaporization model for multi-component fuels considering thermal and mass diffusions. <i>Applied Thermal Engineering</i> , 2017, 112, 534-548.	6.0	48
9	Development of an improved liquid film model for spray/wall interaction under engine-relevant conditions. <i>International Journal of Multiphase Flow</i> , 2016, 79, 74-87.	3.4	59
10	DEVELOPMENT OF A NEW SPRAY/WALL INTERACTION MODEL FOR DIESEL SPRAY UNDER PCCI-ENGINE RELEVANT CONDITIONS. <i>Atomization and Sprays</i> , 2014, 24, 41-80.	0.8	74
11	Multiple-objective optimization of heavy-duty compression ignition engine fueled by gasoline/hydrogenated catalytic biodiesel blends at low loads. <i>International Journal of Engine Research</i> , 0, , 146808742110422.	2.3	1