

Xiao-Ri Liu

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

121
citations

1307594

7
h-index

1474206

9
g-index

10
all docs

10
docs citations

10
times ranked

72
citing authors

#	ARTICLE	IF	CITATIONS
1	The effects of partially premixed combustion mode on the performance and emissions of a direct injection natural gas engine. <i>Fuel</i> , 2019, 250, 218-234.	6.4	40
2	Soot emission prediction in pilot ignited direct injection natural gas engine based on n-heptane/toluene/methane/PAH mechanism. <i>Energy</i> , 2018, 163, 660-681.	8.8	21
3	A numerical investigation on the effects of gaseous fuel composition in a pilot ignited direct injection natural gas engine. <i>Energy</i> , 2021, 217, 119467.	8.8	15
4	Study on Flow and Heat Transfer Characteristics of Porous Media in Engine Particulate Filters Based on Lattice Boltzmann Method. <i>Energies</i> , 2019, 12, 3319.	3.1	11
5	Numerical investigations on pilot ignited high pressure direct injection natural gas engines: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 150, 111390.	16.4	10
6	Investigation on the urea deposit formation and thermal decomposition characteristics in the SCR aftertreatment system of a diesel engine. <i>Journal of Environmental Sciences</i> , 2021, 103, 157-171.	6.1	9
7	Numerical Investigation on the Urea Deposit Formation Process in a Selective Catalytic Reduction System of a Diesel Engine Based on a Fluid-Solid Coupling Method. <i>ACS Omega</i> , 2021, 6, 5921-5932.	3.5	9
8	Random pore structure and REV scale flow analysis of engine particulate filter based on LBM. <i>Open Physics</i> , 2020, 18, 881-896.	1.7	4
9	The flow and heat transfer characteristics of DPF porous media with different structures based on LBM. <i>Open Physics</i> , 2022, 20, 349-369.	1.7	2
10	Simulating flow and heat transfer in a variety of diesel particulate filter porous structures using lattice Boltzmann method. <i>Thermal Science</i> , 2022, 26, 4583-4593.	1.1	0