Abbas Ghasemi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8350438/publications.pdf

Version: 2024-02-01

20	209	1307594	1058476
papers	citations	7	14
		h-index	g-index

26	26	26	140
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spray-induced air motion in single and twin ultra-high injection diesel sprays. Fuel, 2014, 121, 284-297.	6.4	47
2	Reynolds number effects in the near-field of a turbulent square jet. Experimental Thermal and Fluid Science, 2015, 61, 249-258.	2.7	37
3	A study in the developing region of square jet. Journal of Turbulence, 2013, 14, 1-24.	1.4	19
4	Large eddy simulation of the near-field vortex dynamics in starting square jet transitioning into steady state. Physics of Fluids, 2016, 28, .	4.0	16
5	Large Eddy Simulation of Compressible Subsonic Turbulent Jet Starting From a Smooth Contraction Nozzle. Flow, Turbulence and Combustion, 2017, 98, 83-108.	2.6	12
6	Breakup mechanisms in air-assisted atomization of highly viscous pyrolysis oils. Energy Conversion and Management, 2020, 220, 113122.	9.2	12
7	Investigation of the Effects of Natural Gas Equivalence Ratio and Piston Bowl Flow Field on Combustion and Pollutant Formation of a DI Dual Fuel Engine. Journal of Applied Sciences, 2010, 10, 1369-1379.	0.3	11
8	Curvature-induced deformations of the vortex rings generated at the exit of a rectangular duct. Journal of Fluid Mechanics, 2019, 864, 141-180.	3.4	8
9	Investigation of Jet Break-Up Process in Diesel Engine Spray Modelling. Journal of Applied Sciences, 2009, 9, 2078-2087.	0.3	8
10	Shear/rotation competition during the roll-up of acoustically excited shear layers. Journal of Fluid Mechanics, 2018, 844, 831-854.	3.4	7
11	An Open Cycle Simulation of DI Diesel Engine Flow Field Effect on Spray Processes. , 2012, , .		5
12	Analysis of Entrainment at the Turbulent/Non-Turbulent Interface of a Square Jet. , 2013, , .		5
13	Multi-plume sprays interacting with subsonic compressible gas jets. Applied Energy, 2017, 190, 623-633.	10.1	5
14	Viscous diffusion effects on the self-induced distortions of rectangular vortex rings. Physics of Fluids, 2018, 30, 124101.	4.0	5
15	Numerical simulation of particulate matter interaction with the gas diffusion layer of protonâ€exchange membrane fuel cells under various relative humidity conditions. International Journal of Energy Research, 2021, 45, 11084-11097.	4.5	5
16	Fractal structures arising from interfacial instabilities in bio-oil atomization. Scientific Reports, 2021, 11, 411.	3.3	3
17	Evolution of liquid and gas phases in multi-plume spray injection. International Journal of Energy Research, 2016, 40, 1935-1950.	4.5	1
18	Vortex break-down during the impact of a starting subsonic compressible gas jet on a multi-plume spray. Journal of Visualization, 2016, 19, 679-689.	1.8	1

#	Article	IF	Citations
19	Microfluidic two-phase interactions under variable liquid to cross-flow gas momentum flux ratios. Microfluidics and Nanofluidics, 2018, 22, 1.	2.2	1
20	Cross-sectional reshaping of perturbed/unperturbed rectangular jets. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 2206-2223.	2.8	1