

Viktor Jzsa

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

37
papers

327
citations

10
h-index

17
g-index

47
ext. papers

442
ext. citations

4.1
avg, IF

4.48
L-index

#	Paper	IF	Citations
37	Progress in utilisation of waste cooking oil for sustainable biodiesel and biojet fuel production. <i>Energy Conversion and Management</i> , 2020 , 223, 113296	10.6	67
36	Droplet dynamics and size characterization of high-velocity airblast atomization. <i>International Journal of Multiphase Flow</i> , 2017 , 95, 1-11	3.6	42
35	Spectroscopic analysis of crude rapeseed oil flame. <i>Fuel Processing Technology</i> , 2015 , 139, 61-66	7.2	26
34	Thermal analysis of the SMOG-1 PocketQube satellite. <i>Applied Thermal Engineering</i> , 2018 , 139, 506-513	5.8	24
33	Stability and emission analysis of crude rapeseed oil combustion. <i>Fuel Processing Technology</i> , 2017 , 156, 204-210	7.2	24
32	Pollutant emission of gaseous and liquid aqueous bioethanol combustion in swirl burners. <i>Energy Conversion and Management</i> , 2017 , 149, 896-903	10.6	19
31	Effect of liquid preheating on high-velocity airblast atomization: From water to crude rapeseed oil. <i>Experimental Thermal and Fluid Science</i> , 2019 , 102, 137-151	3	18
30	Flame emission spectroscopy measurement of a steam blast and air blast burner. <i>Thermal Science</i> , 2017 , 21, 1021-1030	1.2	15
29	Fuel Evaporation in an Atmospheric Premixed Burner: Sensitivity Analysis and Spray Vaporization. <i>Processes</i> , 2017 , 5, 80	2.9	10
28	Evaporation of Renewable Fuels in a Lean Premixed Prevaporized Burner. <i>Periodica Polytechnica, Mechanical Engineering</i> , 2016 , 60, 82-88	1.8	10
27	Empirical correlation for spray half cone angle in plain-jet airblast atomizers. <i>Fuel</i> , 2020 , 277, 118197	7.1	9
26	Ultra-low emission combustion of diesel-coconut biodiesel fuels by a mixture temperature-controlled combustion mode. <i>Energy Conversion and Management</i> , 2020 , 214, 112908	10.6	8
25	Mixture temperature-controlled combustion: A revolutionary concept for ultra-low NOX emission. <i>Fuel</i> , 2021 , 291, 120200	7.1	7
24	Dual-Fuel Operation of Biodiesel and Natural Gas in a Model Gas Turbine Combustor. <i>Energy & Fuels</i> , 2020 , 34, 3788-3796	4.1	6
23	Solving Problems in Thermal Engineering. <i>Power Systems</i> , 2020 ,	0.4	6
22	Recent advancements in catalytic conversion pathways for synthetic jet fuel produced from bioresources. <i>Energy Conversion and Management</i> , 2021 , 251, 114974	10.6	5
21	Correlation analysis of chemiluminescent and pollutant emissions of a liquid-fueled turbulent swirl burner. <i>Journal of the Energy Institute</i> , 2020 , 93, 1390-1398	5.7	4

20	Effect of Quarls on the Blowout Stability and Emission of Pollutants of a Liquid-Fueled Swirl Burner. <i>Journal of Engineering for Gas Turbines and Power</i> , 2018 , 140,	1.7	4
19	Investigation of Fuel Atomization with Density Functions. <i>Periodica Polytechnica, Mechanical Engineering</i> , 2017 , 62, 33	1.8	4
18	Application of big data analysis technique on high-velocity airblast atomization: Searching for optimum probability density function. <i>Fuel</i> , 2020 , 273, 117792	7.1	3
17	Mixture Temperature-Controlled combustion of different biodiesels and conventional fuels. <i>Energy</i> , 2021 , 234, 121219	7.9	3
16	Comparison of volatility characteristics and temperature-dependent density, surface tension, and kinematic viscosity of n-butanol-diesel and ABE-diesel fuel blends. <i>Fuel</i> , 2022 , 312, 122909	7.1	2
15	Evaluation of material property estimating methods for n-alkanes, 1-alcohols, and methyl esters for droplet evaporation calculations. <i>Heat and Mass Transfer</i> , 1	2.2	2
14	Distributed combustion of dieselButanol fuel blends in a mixture temperature-controlled burner. <i>Fuel</i> , 2022 , 307, 121840	7.1	2
13	Sound Pressure Level Analysis of a Liquid-Fueled Lean Premixed Swirl Burner with Various Quarls. <i>Acoustics</i> , 2020 , 2, 131-146	2	1
12	Application of bioethanol in gas turbines. <i>Periodica Polytechnica, Mechanical Engineering</i> , 2011 , 55, 91	1.8	1
11	Thermal Processes in Vacuum. <i>Power Systems</i> , 2020 , 105-121	0.4	1
10	Notes on the Solutions of PDE SystemsDuality Between Two Worlds. <i>Power Systems</i> , 2020 , 165-195	0.4	1
9	A Two-Parameter Corresponding States Method for Calculating the Steady-State Evaporation Rate of C ₂₀ n-Alkane Droplets in Air for Elevated Pressures and Temperatures. <i>Flow, Turbulence and Combustion</i> , 2021 , 107, 283-305	2.5	1
8	Numerical modeling of distributed combustion without air dilution in a novel ultra-low emission turbulent swirl burner. <i>Physics of Fluids</i> , 2022 , 34, 043311	4.4	1
7	Dynamics and emission of nearly flameless combustion of waste cooking oil biodiesel in an ultra-low emission non-MILD swirl burner. <i>Fuel</i> , 2022 , 319, 123743	7.1	1
6	Experimental Comparison of Diesel and Crude Rapeseed Oil Combustion in a Swirl Burner. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 4907	2.6	0
5	Wavelet analysis of flame blowout of a liquid-fueled swirl burner with quarls. <i>Noise Control Engineering Journal</i> , 2019 , 67, 394-403	0.6	
4	Applications in Renewable Energy. <i>Power Systems</i> , 2020 , 43-103	0.4	
3	The Way of Problem Solving in Thermal Engineering. <i>Power Systems</i> , 2020 , 1-14	0.4	

2	General Aspects of Thermodynamical Modeling. <i>Power Systems</i> , 2020 , 15-42	0.4
1	Nature Knows Better. <i>Power Systems</i> , 2020 , 123-164	0.4