

# Viktor Jzsa

## List of Publications by Year in Descending Order

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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	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> , <b>2022</b> , 312, 122909	7.1	2
36	Distributed combustion of diesel-Butanol fuel blends in a mixture temperature-controlled burner. <i>Fuel</i> , <b>2022</b> , 307, 121840	7.1	2
35	Numerical modeling of distributed combustion without air dilution in a novel ultra-low emission turbulent swirl burner. <i>Physics of Fluids</i> , <b>2022</b> , 34, 043311	4.4	1
34	Dynamics and emission of nearly flameless combustion of waste cooking oil biodiesel in an ultra-low emission non-MILD swirl burner. <i>Fuel</i> , <b>2022</b> , 319, 123743	7.1	1
33	Recent advancements in catalytic conversion pathways for synthetic jet fuel produced from bioresources. <i>Energy Conversion and Management</i> , <b>2021</b> , 251, 114974	10.6	5
32	Mixture temperature-controlled combustion: A revolutionary concept for ultra-low NOX emission. <i>Fuel</i> , <b>2021</b> , 291, 120200	7.1	7
31	Mixture Temperature-Controlled combustion of different biodiesels and conventional fuels. <i>Energy</i> , <b>2021</b> , 234, 121219	7.9	3
30	A Two-Parameter Corresponding States Method for Calculating the Steady-State Evaporation Rate of C <sub>20</sub> n-Alkane Droplets in Air for Elevated Pressures and Temperatures. <i>Flow, Turbulence and Combustion</i> , <b>2021</b> , 107, 283-305	2.5	1
29	Ultra-low emission combustion of diesel-coconut biodiesel fuels by a mixture temperature-controlled combustion mode. <i>Energy Conversion and Management</i> , <b>2020</b> , 214, 112908	10.6	8
28	Empirical correlation for spray half cone angle in plain-jet airblast atomizers. <i>Fuel</i> , <b>2020</b> , 277, 118197	7.1	9
27	Sound Pressure Level Analysis of a Liquid-Fueled Lean Premixed Swirl Burner with Various Quarls. <i>Acoustics</i> , <b>2020</b> , 2, 131-146	2	1
26	Dual-Fuel Operation of Biodiesel and Natural Gas in a Model Gas Turbine Combustor. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 3788-3796	4.1	6
25	Correlation analysis of chemiluminescent and pollutant emissions of a liquid-fueled turbulent swirl burner. <i>Journal of the Energy Institute</i> , <b>2020</b> , 93, 1390-1398	5.7	4
24	Application of big data analysis technique on high-velocity airblast atomization: Searching for optimum probability density function. <i>Fuel</i> , <b>2020</b> , 273, 117792	7.1	3
23	Applications in Renewable Energy. <i>Power Systems</i> , <b>2020</b> , 43-103	0.4	
22	The Way of Problem Solving in Thermal Engineering. <i>Power Systems</i> , <b>2020</b> , 1-14	0.4	
21	General Aspects of Thermodynamical Modeling. <i>Power Systems</i> , <b>2020</b> , 15-42	0.4	

20	Nature Knows Better. <i>Power Systems</i> , <b>2020</b> , 123-164	0.4	
19	Thermal Processes in Vacuum. <i>Power Systems</i> , <b>2020</b> , 105-121	0.4	1
18	Notes on the Solutions of PDE Systems Duality Between Two Worlds. <i>Power Systems</i> , <b>2020</b> , 165-195	0.4	1
17	Experimental Comparison of Diesel and Crude Rapeseed Oil Combustion in a Swirl Burner. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 4907	2.6	0
16	Progress in utilisation of waste cooking oil for sustainable biodiesel and biojet fuel production. <i>Energy Conversion and Management</i> , <b>2020</b> , 223, 113296	10.6	67
15	Solving Problems in Thermal Engineering. <i>Power Systems</i> , <b>2020</b> ,	0.4	6
14	Wavelet analysis of flame blowout of a liquid-fueled swirl burner with quarls. <i>Noise Control Engineering Journal</i> , <b>2019</b> , 67, 394-403	0.6	
13	Effect of liquid preheating on high-velocity airblast atomization: From water to crude rapeseed oil. <i>Experimental Thermal and Fluid Science</i> , <b>2019</b> , 102, 137-151	3	18
12	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> , <b>2018</b> , 140,	1.7	4
11	Thermal analysis of the SMOG-1 PocketQube satellite. <i>Applied Thermal Engineering</i> , <b>2018</b> , 139, 506-513	5.8	24
10	Droplet dynamics and size characterization of high-velocity airblast atomization. <i>International Journal of Multiphase Flow</i> , <b>2017</b> , 95, 1-11	3.6	42
9	Pollutant emission of gaseous and liquid aqueous bioethanol combustion in swirl burners. <i>Energy Conversion and Management</i> , <b>2017</b> , 149, 896-903	10.6	19
8	Fuel Evaporation in an Atmospheric Premixed Burner: Sensitivity Analysis and Spray Vaporization. <i>Processes</i> , <b>2017</b> , 5, 80	2.9	10
7	Stability and emission analysis of crude rapeseed oil combustion. <i>Fuel Processing Technology</i> , <b>2017</b> , 156, 204-210	7.2	24
6	Investigation of Fuel Atomization with Density Functions. <i>Periodica Polytechnica, Mechanical Engineering</i> , <b>2017</b> , 62, 33	1.8	4
5	Flame emission spectroscopy measurement of a steam blast and air blast burner. <i>Thermal Science</i> , <b>2017</b> , 21, 1021-1030	1.2	15
4	Evaporation of Renewable Fuels in a Lean Premixed Prevaporized Burner. <i>Periodica Polytechnica, Mechanical Engineering</i> , <b>2016</b> , 60, 82-88	1.8	10
3	Spectroscopic analysis of crude rapeseed oil flame. <i>Fuel Processing Technology</i> , <b>2015</b> , 139, 61-66	7.2	26

2	Application of bioethanol in gas turbines. <i>Periodica Polytechnica, Mechanical Engineering</i> , <b>2011</b> , 55, 91	1.8	1
1	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