

Viktor JÃ³zsa

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

577
citations

758635

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610482

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g-index

47
all docs

47
docs citations

47
times ranked

467
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Progress in utilisation of waste cooking oil for sustainable biodiesel and biojet fuel production. Energy Conversion and Management, 2020, 223, 113296. | 4.4 | 137 |
| 2 | Droplet dynamics and size characterization of high-velocity airblast atomization. International Journal of Multiphase Flow, 2017, 95, 1-11. | 1.6 | 60 |
| 3 | Recent advancements in catalytic conversion pathways for synthetic jet fuel produced from bioresources. Energy Conversion and Management, 2022, 251, 114974. | 4.4 | 52 |
| 4 | Thermal analysis of the SMOG-1 PocketQube satellite. Applied Thermal Engineering, 2018, 139, 506-513. | 3.0 | 31 |
| 5 | Spectroscopic analysis of crude rapeseed oil flame. Fuel Processing Technology, 2015, 139, 61-66. | 3.7 | 30 |
| 6 | Effect of liquid preheating on high-velocity airblast atomization: From water to crude rapeseed oil. Experimental Thermal and Fluid Science, 2019, 102, 137-151. | 1.5 | 27 |
| 7 | Stability and emission analysis of crude rapeseed oil combustion. Fuel Processing Technology, 2017, 156, 204-210. | 3.7 | 26 |
| 8 | Pollutant emission of gaseous and liquid aqueous bioethanol combustion in swirl burners. Energy Conversion and Management, 2017, 149, 896-903. | 4.4 | 22 |
| 9 | Empirical correlation for spray half cone angle in plain-jet airblast atomizers. Fuel, 2020, 277, 118197. | 3.4 | 19 |
| 10 | Flame emission spectroscopy measurement of a steam blast and air blast burner. Thermal Science, 2017, 21, 1021-1030. | 0.5 | 19 |
| 11 | Ultra-low emission combustion of diesel-coconut biodiesel fuels by a mixture temperature-controlled combustion mode. Energy Conversion and Management, 2020, 214, 112908. | 4.4 | 14 |
| 12 | Mixture temperature-controlled combustion: A revolutionary concept for ultra-low NOX emission. Fuel, 2021, 291, 120200. | 3.4 | 14 |
| 13 | Evaporation of Renewable Fuels in a Lean Premixed Prevaporized Burner. Periodica Polytechnica, Mechanical Engineering, 2016, 60, 82-88. | 0.8 | 12 |
| 14 | Dual-Fuel Operation of Biodiesel and Natural Gas in a Model Gas Turbine Combustor. Energy & Fuels, 2020, 34, 3788-3796. | 2.5 | 12 |
| 15 | Fuel Evaporation in an Atmospheric Premixed Burner: Sensitivity Analysis and Spray Vaporization. Processes, 2017, 5, 80. | 1.3 | 11 |
| 16 | Numerical modeling of distributed combustion without air dilution in a novel ultra-low emission turbulent swirl burner. Physics of Fluids, 2022, 34, . | 1.6 | 11 |
| 17 | Application of big data analysis technique on high-velocity airblast atomization: Searching for optimum probability density function. Fuel, 2020, 273, 117792. | 3.4 | 10 |
| 18 | Comparison of volatility characteristics and temperature-dependent density, surface tension, and kinematic viscosity of n-butanol-diesel and ABE-diesel fuel blends. Fuel, 2022, 312, 122909. | 3.4 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Distributed combustion of diesel-butanol fuel blends in a mixture temperature-controlled burner. Fuel, 2022, 307, 121840. | 3.4 | 9 |
| 20 | Dynamics and emission of nearly flameless combustion of waste cooking oil biodiesel in an ultra-low emission non-MILD swirl burner. Fuel, 2022, 319, 123743. | 3.4 | 8 |
| 21 | Effect of Quarls on the Blowout Stability and Emission of Pollutants of a Liquid-Fueled Swirl Burner. Journal of Engineering for Gas Turbines and Power, 2018, 140, . | 0.5 | 7 |
| 22 | Correlation analysis of chemiluminescent and pollutant emissions of a liquid-fueled turbulent swirl burner. Journal of the Energy Institute, 2020, 93, 1390-1398. | 2.7 | 6 |
| 23 | Mixture Temperature-Controlled combustion of different biodiesels and conventional fuels. Energy, 2021, 234, 121219. | 4.5 | 6 |
| 24 | Investigation of Fuel Atomization with Density Functions. Periodica Polytechnica, Mechanical Engineering, 2017, 62, 33. | 0.8 | 4 |
| 25 | A Two-Parameter Corresponding States Method for Calculating the Steady-State Evaporation Rate of C ₂ -C ₉ n-Alkane Droplets in Air for Elevated Pressures and Temperatures. Flow, Turbulence and Combustion, 2021, 107, 283-305. | 1.4 | 4 |
| 26 | Evaluation of material property estimating methods for n-alkanes, 1-alcohols, and methyl esters for droplet evaporation calculations. Heat and Mass Transfer, 0, , 1. | 1.2 | 3 |
| 27 | Application of bioethanol in gas turbines. Periodica Polytechnica, Mechanical Engineering, 2011, 55, 91. | 0.8 | 2 |
| 28 | Numerical analysis of biogas combustion in a lean premixed swirl burner. , 2019, , . | | 1 |
| 29 | Experimental Comparison of Diesel and Crude Rapeseed Oil Combustion in a Swirl Burner. Applied Sciences (Switzerland), 2020, 10, 4907. | 1.3 | 1 |
| 30 | Sound Pressure Level Analysis of a Liquid-Fueled Lean Premixed Swirl Burner with Various Quarls. Acoustics, 2020, 2, 131-146. | 0.8 | 1 |
| 31 | Thermal Processes in Vacuum. Power Systems, 2020, , 105-121. | 0.3 | 1 |
| 32 | Notes on the Solutions of PDE Systems-Duality Between Two Worlds. Power Systems, 2020, , 165-195. | 0.3 | 1 |
| 33 | Energy management of a PocketQube satellite. , 2015, , . | | 0 |
| 34 | Wavelet analysis of flame blowout of a liquid-fueled swirl burner with quarls. Noise Control Engineering Journal, 2019, 67, 394-403. | 0.2 | 0 |
| 35 | Applications in Renewable Energy. Power Systems, 2020, , 43-103. | 0.3 | 0 |
| 36 | The Way of Problem Solving in Thermal Engineering. Power Systems, 2020, , 1-14. | 0.3 | 0 |

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|----|--|-----|-----------|
| 37 | General Aspects of Thermodynamical Modeling. Power Systems, 2020, , 15-42. | 0.3 | 0 |
| 38 | Nature Knows Better. Power Systems, 2020, , 123-164. | 0.3 | 0 |