

# Arkusz Jan Kapusta

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

164  
citations

1307594

7  
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1199594

12  
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docs citations

15  
times ranked

98  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of water - methanol blends on engine performance at borderline knock conditions in gasoline direct injection engines. <i>Applied Energy</i> , 2020, 264, 114750.	10.1	45
2	Characteristics of Water and Urea–Water Solution Sprays. <i>Catalysts</i> , 2019, 9, 750.	3.5	23
3	Autoignition and combustion of n-hexane spray in subcritical and supercritical environments. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 819-828.	3.6	16
4	Improved urea-water solution spray model for simulations of selective catalytic reduction systems. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 120, 109616.	16.4	15
5	Understanding the collapse of flash-boiling sprays formed by multi-hole injectors operating at low injection pressures. <i>Energy</i> , 2022, 247, 123388.	8.8	10
6	Structures of inverse jet flames stabilized on a coaxial burner. <i>Energy</i> , 2020, 193, 116757.	8.8	9
7	Investigation on the knock characteristics in a gasoline direct-injection engine port-injected with water-methanol blends. <i>Energy Conversion and Management</i> , 2022, 258, 115415.	9.2	9
8	Pressure and temperature effect on hypergolic ignition delay of triglyme-based fuel with hydrogen peroxide. <i>Fuel</i> , 2021, 287, 119370.	6.4	8
9	EXPERIMENTAL AND NUMERICAL STUDY TO EVALUATE THE EFFECT OF FLASH BOILING ON UREA-WATER SOLUTION SPRAYS AND SELECTIVE CATALYTIC REDUCTION SYSTEM PERFORMANCE. <i>Atomization and Sprays</i> , 2021, 31, 89-117.	0.8	8
10	LIF/Mie Droplet Sizing of Water Sprays from SCR System Injector using Structured Illumination. , 0, , .		7
11	Laser diagnostics for urea-water solution spray characterization. <i>MATEC Web of Conferences</i> , 2017, 118, 00029.	0.2	6
12	SCR SYSTEMS FOR NOx REDUCTION IN HEAVY DUTY VEHICLES. <i>Journal of KONES</i> , 2015, 22, 139-146.	0.2	3
13	Liquid Propane Injection in Flash-Boiling Conditions. <i>Energies</i> , 2021, 14, 6257.	3.1	3
14	An Experimental Facility for Rapid Testing of SCR Systems. , 0, , .		2
15	n-Hexane injection into high-temperature and high-pressure environments. <i>Journal of Visualization</i> , 2019, 22, 1071-1080.	1.8	0