

Wojciech Tutak

List of Publications by Year in descending order

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34
papers

1,137
citations

430874

18
h-index

395702

33
g-index

34
all docs

34
docs citations

34
times ranked

879
citing authors

#	ARTICLE	IF	CITATIONS
1	Alcoholâ€ diesel fuel combustion in the compression ignition engine. <i>Fuel</i> , 2015, 154, 196-206.	6.4	184
2	Study on co-combustion of diesel fuel with oxygenated alcohols in a compression ignition dual-fuel engine. <i>Fuel</i> , 2018, 221, 329-345.	6.4	102
3	Bioethanol E85 as a fuel for dual fuel diesel engine. <i>Energy Conversion and Management</i> , 2014, 86, 39-48.	9.2	98
4	A comparative study of co-combustion process of diesel-ethanol and biodiesel-ethanol blends in the direct injection diesel engine. <i>Applied Thermal Engineering</i> , 2017, 117, 155-163.	6.0	93
5	Hydrogen effects on combustion stability, performance and emission of diesel engine. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 19936-19947.	7.1	82
6	Effect of natural gas enrichment with hydrogen on combustion process and emission characteristic of a dual fuel diesel engine. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 9088-9097.	7.1	57
7	Numerical simulation of two-stage combustion in SI engine with prechamber. <i>Applied Mathematical Modelling</i> , 2013, 37, 2961-2982.	4.2	48
8	Effect of diesel-biodiesel-ethanol blend on combustion, performance, and emissions characteristics on a direct injection diesel engine. <i>Thermal Science</i> , 2017, 21, 591-604.	1.1	46
9	A two-stage combustion system for burning lean gasoline mixtures in a stationary spark ignited engine. <i>Applied Energy</i> , 2013, 105, 271-281.	10.1	42
10	Comparative Analysis of the Combustion Stability of Diesel-Methanol and Diesel-Ethanol in a Dual Fuel Engine. <i>Energies</i> , 2019, 12, 971.	3.1	40
11	An Experimental Study on the Performance and Emission of the diesel/CNG Dual-Fuel Combustion Mode in a Stationary CI Engine. <i>Energies</i> , 2019, 12, 3857.	3.1	39
12	Investigation on combustion process and emissions characteristic in direct injection diesel engine powered by wet ethanol using blend mode. <i>Fuel Processing Technology</i> , 2016, 149, 86-95.	7.2	36
13	Performance, emission and combustion characteristics of CI dual fuel engine powered by diesel/ethanol and diesel/gasoline fuels. <i>Journal of Mechanical Science and Technology</i> , 2018, 32, 2947-2957.	1.5	29
14	Generator gas as a fuel to power a diesel engine. <i>Thermal Science</i> , 2014, 18, 205-216.	1.1	26
15	An experimental investigation of the performance, emission and combustion stability of compression ignition engine powered by diesel and ammonia solution (NH ₄ OH). <i>International Journal of Engine Research</i> , 2021, 22, 2639-2653.	2.3	24
16	Combustion Stability, Performance and Emission Characteristics of a CI Engine Fueled with Diesel/n-Butanol Blends. <i>Energies</i> , 2021, 14, 2817.	3.1	22
17	Experimental investigations on combustion, performance, and emission characteristics of stationary CI engine fueled with dieselâ€methanol and biodieselâ€methanol blends. <i>Environmental Progress and Sustainable Energy</i> , 2017, 36, 1151-1163.	2.3	21
18	Combustion and Emission Characteristics of a Biodiesel-Hydrogen Dual-Fuel Engine. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1082.	2.5	20

#	ARTICLE	IF	CITATIONS
19	A study of performance and emissions of SI engine with a two-stage combustion system. Chemical and Process Engineering - Inzynieria Chemiczna I Procesowa, 2011, 32, 453-471.	0.7	19
20	EFFECTS OF INJECTION TIMING OF DIESEL FUEL ON PERFORMANCE AND EMISSION OF DUAL FUEL DIESEL ENGINE POWERED BY DIESEL/E85 FUELS. Transport, 2018, 33, 633-646.	1.2	15
21	Characteristics of the flow field in the combustion chamber of the internal combustion test engine. Chemical and Process Engineering - Inzynieria Chemiczna I Procesowa, 2011, 32, 203-214.	0.7	11
22	Co-combustion of biodiesel with oxygenated fuels in direct injection diesel engine. E3S Web of Conferences, 2017, 14, 02018.	0.5	11
23	Modeling of Thermal Cycle CI Engine with Multi-Stage Fuel Injection. Advances in Science and Technology Research Journal, 2017, 11, 179-186.	0.8	11
24	Combustion of different reactivity fuel mixture in a dual fuel engine. Thermal Science, 2018, 22, 1285-1297.	1.1	10
25	Comparative Analysis of Combustion Stability of Diesel/Ethanol Utilization by Blend and Dual Fuel. Processes, 2019, 7, 946.	2.8	10
26	Validation and optimization of the thermal cycle for a diesel engine by computational fluid dynamics modeling. Applied Mathematical Modelling, 2016, 40, 6293-6309.	4.2	8
27	Experimental investigations on combustion, performance and emissions characteristics of compression ignition engine powered by B100/ethanol blend. E3S Web of Conferences, 2017, 14, 02019.	0.5	7
28	THE EFFECT OF METHANOLâ€™DIESEL COMBUSTION ON PERFORMANCE AND EMISSIONS OF A DIRECT INJECTION DIESEL ENGINE. Journal of KONES, 2015, 22, 259-266.	0.2	6
29	Effects of Propanol on the Performance and Emissions of a Dual-Fuel Industrial Diesel Engine. Applied Sciences (Switzerland), 2022, 12, 5674.	2.5	5
30	Theoretical analysis of air-fuel mixture formation in the combustion chambers of the gas engine with two-stage combustion system. Bulletin of the Polish Academy of Sciences: Technical Sciences, 2014, 62, 779-790.	0.8	4
31	The Effect of RME-1-Butanol Blends on Combustion, Performance and Emission of a Direct Injection Diesel Engine. Energies, 2021, 14, 2941.	3.1	4
32	CFD MODELING OF THERMAL CYCLE OF SUPERCHARGED COMPRESSION IGNITION ENGINE. Journal of KONES, 2015, 19, 465-472.	0.2	4
33	Influence of Gasoline Addition on Biodiesel Combustion in a Compression-Ignition Engine with Constant Settings. Processes, 2020, 8, 1499.	2.8	2
34	Comparative Analysis of Combustion Process of Dual Fuel Diesel Engine Fueled by Diesel/Hydrogen and Biodiesel/Hydrogen. , 0, , .		1