

Stanisław Szwaja

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

909
citations

687335

13
h-index

526264

27
g-index

34
all docs

34
docs citations

34
times ranked

948
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen combustion in a compression ignition diesel engine. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 4413-4421.	7.1	200
2	Alcoholâ€“diesel fuel combustion in the compression ignition engine. <i>Fuel</i> , 2015, 154, 196-206.	6.4	184
3	Dual nature of hydrogen combustion knock. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 12489-12496.	7.1	79
4	Sewage sludge producer gas enriched with methane as a fuel to a spark ignited engine. <i>Fuel Processing Technology</i> , 2013, 110, 160-166.	7.2	58
5	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
6	Influence of exhaust residuals on combustion phases, exhaust toxic emission and fuel consumption from a natural gas fueled spark-ignition engine. <i>Energy Conversion and Management</i> , 2018, 165, 440-446.	9.2	41
7	A torrefaction of <i>Sida hermaphrodita</i> to improve fuel properties. Advanced analysis of torrefied products. <i>Renewable Energy</i> , 2019, 141, 894-902.	8.9	36
8	Influence of hydrogen co-combustion with diesel fuel on performance, smoke and combustion phases in the compression ignition engine. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 19026-19034.	7.1	35
9	The Influence of Anaerobic Digestion Effluents (ADEs) Used as the Nutrient Sources for <i>Chlorella</i> sp. Cultivation on Fermentative Biogas Production. <i>Waste and Biomass Valorization</i> , 2017, 8, 1153-1161.	3.4	30
10	Impact of EGR on Combustion Processes in a Hydrogen Fuelled SI Engine. , 0, , .		28
11	Dilution of fresh charge for reducing combustion knock in the internal combustion engine fueled with hydrogen rich gases. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 19017-19025.	7.1	25
12	Theoretical and Experimental Analysis on Co-Gasification of Sewage Sludge with Energetic Crops. <i>Energies</i> , 2019, 12, 1750.	3.1	20
13	Vitrification of environmentally harmful by-products from biomass torrefaction process. <i>Journal of Cleaner Production</i> , 2020, 249, 119427.	9.3	18
14	A new approach for evaluating biochar quality from Virginia Mallow biomass thermal processing. <i>Journal of Cleaner Production</i> , 2019, 214, 356-364.	9.3	15
15	Influence of a light source on microalgae growth and subsequent anaerobic digestion of harvested biomass. <i>Biomass and Bioenergy</i> , 2016, 91, 243-249.	5.7	12
16	Anaerobic Digestion Effluents (ADEs) Treatment Coupling with <i>Chlorella</i> sp. Microalgae Production. <i>Water Environment Research</i> , 2018, 90, 155-163.	2.7	12
17	Investigation on ethanol-glycerol blend combustion in the internal combustion sparkignited engine. Engine performance and exhaust emissions. <i>Fuel Processing Technology</i> , 2022, 226, 107085.	7.2	10
18	Effective Combustion of Glycerol in a Compression Ignition Engine Equipped with Double Direct Fuel Injection. <i>Energies</i> , 2020, 13, 6349.	3.1	8

#	ARTICLE	IF	CITATIONS
19	Impact of Pyrolysis Oil Addition to Ethanol on Combustion in the Internal Combustion Spark Ignition Engine. <i>Clean Technologies</i> , 2021, 3, 450-461.	4.2	6
20	Bio-oil blended butanol as a fuel to the spark ignition internal combustion reciprocating engine. <i>Silniki Spalinowe</i> , 2017, 169, 93-96.	0.7	6
21	Combustion of the biomethane in an IC engine with over-expanded cycle. , 2017, , .		5
22	Determination of the Radiation Exchange Factor in the Bundle of Steel Round Bars. <i>Energies</i> , 2021, 14, 5263.	3.1	5
23	Investigation of Combustion Knock Distribution in a Boosted Methane-Gasoline Blended Fueled Engine. , 2018, , .		4
24	On Determination of the Effective Thermal Conductivity of a Bundle of Steel Bars Using the Krischer Model and Considering Thermal Radiation. <i>Materials</i> , 2021, 14, 4378.	2.9	4
25	NEW CONCEPT OF A ROCKER ENGINE – KINEMATIC ANALYSIS. <i>Journal of KONES</i> , 2015, 19, 443-449.	0.2	4
26	Producer gas combustion in the internal combustion engine. <i>Silniki Spalinowe</i> , 2010, 141, 27-32.	0.7	4
27	Investigation of Performance and Emission Parameters of Hydroxygen (HHO)-Enriched Diesel Fuel with Water Injection in the Compression Ignition Engine. <i>Clean Technologies</i> , 2021, 3, 537-562.	4.2	3
28	Integration of waste biomass thermal processing technology with a metallurgical furnace to improve its efficiency and economic benefit. <i>Clean Technologies and Environmental Policy</i> , 0, , 1.	4.1	3
29	Performance and Exhaust Emissions of a Spark Ignition Internal Combustion Engine Fed with Butanol-Glycerol Blend. <i>Energies</i> , 2021, 14, 6473.	3.1	3
30	Conversion of exhaust gases from the internal combustion engine to electrical power at small scale. , 2017, , .		2
31	Putrid Potatoes as Biomass Charge to an Agricultural Biomass-to-Biogas Power Plant. <i>Energy Procedia</i> , 2017, 118, 40-45.	1.8	2
32	Zgazowanie osadu ściekowego ze śluzowcem pensylwańskim. <i>Przemysł Chemiczny</i> , 2019, 1, 120-124.	0.0	2
33	The Szymkowiak™s over-expanded cycle in the rocker engine with the variable compression ratio – kinematics. <i>Silniki Spalinowe</i> , 2022, 189, 68-72.	0.7	1