

Apostolos Pesyridis

List of Publications by Citations

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Version: 2024-04-27

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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.

41
papers

441
citations

11
h-index

19
g-index

45
ext. papers

636
ext. citations

4
avg, IF

4.61
L-index

#	Paper	IF	Citations
41	Review of Organic Rankine Cycle experimental data trends. <i>Energy Conversion and Management</i> , 2018 , 173, 679-691	10.6	99
40	Experimental study of a small scale organic Rankine cycle waste heat recovery system for a heavy duty diesel engine with focus on the radial inflow turbine expander performance. <i>Applied Energy</i> , 2018 , 215, 543-555	10.7	51
39	Application of Micro Gas Turbine in Range-Extended Electric Vehicles. <i>Energy</i> , 2018 , 147, 351-361	7.9	34
38	Expander Technologies for Automotive Engine Organic Rankine Cycle Applications. <i>Energies</i> , 2018 , 11, 1905	3.1	26
37	Experimental study of organic Rankine cycle system and expander performance for heavy-duty diesel engine. <i>Energy Conversion and Management</i> , 2019 , 199, 111998	10.6	22
36	An appraisal of proportional integral control strategies for small scale waste heat to power conversion units based on Organic Rankine Cycles. <i>Energy</i> , 2018 , 163, 1062-1076	7.9	20
35	Machine Learning for the prediction of the dynamic behavior of a small scale ORC system. <i>Energy</i> , 2019 , 166, 72-82	7.9	18
34	The Application of Virtual Reality in Engineering Education. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2879.6	9.6	16
33	Modeling of Supersonic Combustion Systems for Sustained Hypersonic Flight. <i>Energies</i> , 2017 , 10, 1900	3.1	13
32	An Evaluation of Turbocharging and Supercharging Options for High-Efficiency Fuel Cell Electric Vehicles. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 2474	2.6	13
31	Electric Boosting and Energy Recovery Systems for Engine Downsizing. <i>Energies</i> , 2019 , 12, 4636	3.1	12
30	Investigation of Micro Gas Turbine Systems for High Speed Long Loiter Tactical Unmanned Air Systems. <i>Aerospace</i> , 2019 , 6, 55	2.5	11
29	Design and study of back-swept high pressure ratio radial turbo-expander in automotive organic Rankine cycles. <i>Applied Thermal Engineering</i> , 2020 , 164, 114549	5.8	10
28	Organic Rankine Cycle Waste Heat Recovery for Passenger Hybrid Electric Vehicles. <i>Energies</i> , 2020 , 13, 4532	3.1	9
27	Overview of Clean Automotive Thermal Propulsion Options for India to 2030. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3604	2.6	8
26	A Scramjet Compression System for Hypersonic Air Transportation Vehicle Combined Cycle Engines. <i>Energies</i> , 2018 , 11, 1568	3.1	7
25	Thermoelectric Generation in Hybrid Electric Vehicles. <i>Energies</i> , 2020 , 13, 3742	3.1	7

24	Effect of radial turbo-expander design on off-highway vehicle organic Rankine cycle system efficiency. <i>International Journal of Powertrains</i> , 2018 , 7, 72	0.5	5
23	Ramjet Nozzle Analysis for Transport Aircraft Configuration for Sustained Hypersonic Flight. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 574	2.6	5
22	Towards improvement of waste heat recovery systems: A multi-objective optimization of different organic Rankine cycle configurations. <i>International Journal of Thermofluids</i> , 2021 , 11, 100100	5.6	5
21	Combustion and Emission Enhancement of a Spark Ignition Two-Stroke Cycle Engine Utilizing Internal and External Exhaust Gas Recirculation Approach at Low-Load Operation. <i>Energies</i> , 2019 , 12, 609	3.1	4
20	Overview of recent developments and the future of organic Rankine cycle applications for exhaust energy recovery in highway truck engines. <i>International Journal of Green Energy</i> , 2020 , 17, 1005-1021	3	4
19	Numerical Investigation of an RCCI Engine Fueled with Natural Gas/Dimethyl-Ether in Various Injection Strategies. <i>Energies</i> , 2021 , 14, 1638	3.1	4
18	Ramjet Compression System for a Hypersonic Air Transportation Vehicle Combined Cycle Engine. <i>Energies</i> , 2018 , 11, 2558	3.1	4
17	Conceptual Advanced Transport Aircraft Design Configuration for Sustained Hypersonic Flight. <i>Aerospace</i> , 2018 , 5, 91	2.5	4
16	Turbocharger Axial Turbines for High Transient Response, Part 1: A Preliminary Design Methodology. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 838	2.6	3
15	Modelling and Evaluation of Waste Heat Recovery Systems in the Case of a Heavy-Duty Diesel Engine. <i>Energies</i> , 2019 , 12, 1397	3.1	3
14	Design and Performance Evaluation of an Axial Inflow Turbocharger Turbine. <i>Energies</i> , 2018 , 11, 278	3.1	3
13	Experimental analysis of a micro-scale organic Rankine cycle system retrofitted to operate in grid-connected mode. <i>Applied Thermal Engineering</i> , 2020 , 180, 115889	5.8	3
12	Design, size estimation, and thermodynamic analysis of a realizable organic Rankine cycle system for waste heat recovery in commercial truck engines. <i>Thermal Science and Engineering Progress</i> , 2021 , 22, 100849	3.6	3
11	Design of a Sequential Axial Turbocharger for Automotive Application. <i>Energies</i> , 2019 , 12, 4433	3.1	3
10	Turbocharger Axial Turbines for High Transient Response, Part 2: Genetic Algorithm Development for Axial Turbine Optimisation. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 2679	2.6	2
9	Turbine optimization potential to improve automotive Rankine cycle performance. <i>Applied Thermal Engineering</i> , 2021 , 186, 116559	5.8	2
8	Modelling a Hypersonic Single Expansion Ramp Nozzle of a Hypersonic Aircraft through Parametric Studies. <i>Energies</i> , 2018 , 11, 3449	3.1	2
7	Preliminary Investigation of the Performance of an Engine Equipped with an Advanced Axial Turbocharger Turbine. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 7452	2.6	1

6	Comparative assessment of innovative methods to improve solar chimney power plant efficiency. <i>Sustainable Energy Technologies and Assessments</i> , 2022 , 49, 101807	4.7	1
5	Generation of 3D Turbine Blades for Automotive Organic Rankine Cycles: Mathematical and Computational Perspectives. <i>Mathematics</i> , 2021 , 9, 50	2.3	1
4	Design of an Axial Turbine for Highly Downsized Internal Combustion Engines. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 5935	2.6	1
3	Modelling of Electrically-Assisted Turbocharger Compressor Performance. <i>Energies</i> , 2019 , 12, 975	3.1	0
2	Performance analysis and optimisation of a reheat organic Rankine cycle. <i>International Journal of Sustainable Energy</i> , 1-23	2.7	
1	Modelling of a Dual-Fuel-Mode Free-Jet Combustion System. <i>Aerospace</i> , 2019 , 6, 135	2.5	