

# Apostolos Pesyridis

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

825  
citations

687335

13  
h-index

526264

27  
g-index

45  
all docs

45  
docs citations

45  
times ranked

648  
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of Organic Rankine Cycle experimental data trends. Energy Conversion and Management, 2018, 173, 679-691.	9.2	145
2	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. Applied Energy, 2018, 215, 543-555.	10.1	68
3	The Application of Virtual Reality in Engineering Education. Applied Sciences (Switzerland), 2021, 11, 2879.	2.5	68
4	Application of Micro Gas Turbine in Range-Extended Electric Vehicles. Energy, 2018, 147, 351-361.	8.8	50
5	Expander Technologies for Automotive Engine Organic Rankine Cycle Applications. Energies, 2018, 11, 1905.	3.1	47
6	Experimental study of organic Rankine cycle system and expander performance for heavy-duty diesel engine. Energy Conversion and Management, 2019, 199, 111998.	9.2	38
7	Machine Learning for the prediction of the dynamic behavior of a small scale ORC system. Energy, 2019, 166, 72-82.	8.8	36
8	Towards improvement of waste heat recovery systems: A multi-objective optimization of different organic Rankine cycle configurations. International Journal of Thermofluids, 2021, 11, 100100.	7.8	30
9	An appraisal of proportional integral control strategies for small scale waste heat to power conversion units based on Organic Rankine Cycles. Energy, 2018, 163, 1062-1076.	8.8	29
10	An Evaluation of Turbocharging and Supercharging Options for High-Efficiency Fuel Cell Electric Vehicles. Applied Sciences (Switzerland), 2018, 8, 2474.	2.5	28
11	Electric Boosting and Energy Recovery Systems for Engine Downsizing. Energies, 2019, 12, 4636.	3.1	26
12	Investigation of Micro Gas Turbine Systems for High Speed Long Loiter Tactical Unmanned Air Systems. Aerospace, 2019, 6, 55.	2.2	22
13	Organic Rankine Cycle Waste Heat Recovery for Passenger Hybrid Electric Vehicles. Energies, 2020, 13, 4532.	3.1	19
14	Modeling of Supersonic Combustion Systems for Sustained Hypersonic Flight. Energies, 2017, 10, 1900.	3.1	14
15	Design and study of back-swept high pressure ratio radial turbo-expander in automotive organic Rankine cycles. Applied Thermal Engineering, 2020, 164, 114549.	6.0	14
16	Numerical Investigation of an RCCI Engine Fueled with Natural Gas/Dimethyl-Ether in Various Injection Strategies. Energies, 2021, 14, 1638.	3.1	14
17	Ramjet Nozzle Analysis for Transport Aircraft Configuration for Sustained Hypersonic Flight. Applied Sciences (Switzerland), 2018, 8, 574.	2.5	13
18	Combustion and Emission Enhancement of a Spark Ignition Two-Stroke Cycle Engine Utilizing Internal and External Exhaust Gas Recirculation Approach at Low-Load Operation. Energies, 2019, 12, 609.	3.1	12

#	ARTICLE	IF	CITATIONS
19	Thermoelectric Generation in Hybrid Electric Vehicles. <i>Energies</i> , 2020, 13, 3742.	3.1	12
20	Comparative assessment of innovative methods to improve solar chimney power plant efficiency. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 49, 101807.	2.7	12
21	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.	6.0	11
22	Overview of Clean Automotive Thermal Propulsion Options for India to 2030. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3604.	2.5	11
23	A Scramjet Compression System for Hypersonic Air Transportation Vehicle Combined Cycle Engines. <i>Energies</i> , 2018, 11, 1568.	3.1	10
24	Conceptual Advanced Transport Aircraft Design Configuration for Sustained Hypersonic Flight. <i>Aerospace</i> , 2018, 5, 91.	2.2	9
25	Modelling a Hypersonic Single Expansion Ramp Nozzle of a Hypersonic Aircraft through Parametric Studies. <i>Energies</i> , 2018, 11, 3449.	3.1	8
26	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	8
27	Turbine optimization potential to improve automotive Rankine cycle performance. <i>Applied Thermal Engineering</i> , 2021, 186, 116559.	6.0	8
28	Design and Performance Evaluation of an Axial Inflow Turbocharger Turbine. <i>Energies</i> , 2018, 11, 278.	3.1	7
29	Effect of radial turbo-expander design on off-highway vehicle organic Rankine cycle system efficiency. <i>International Journal of Powertrains</i> , 2018, 7, 72.	0.3	6
30	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.	2.7	6
31	Electric Vehicle Modelling for Future Technology and Market Penetration Analysis. <i>Frontiers in Mechanical Engineering</i> , 0, 8, .	1.8	6
32	Ramjet Compression System for a Hypersonic Air Transportation Vehicle Combined Cycle Engine. <i>Energies</i> , 2018, 11, 2558.	3.1	5
33	Turbocharger Axial Turbines for High Transient Response, Part 2: Genetic Algorithm Development for Axial Turbine Optimisation. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2679.	2.5	5
34	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.	3.8	5
35	Potential of capturing transportation wasted heat for better fuel economy and electricity generation: Comprehensive testing. <i>Energy Conversion and Management</i> , 2022, 267, 115939.	9.2	5
36	Turbocharger Axial Turbines for High Transient Response, Part 1: A Preliminary Design Methodology. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 838.	2.5	4

#	ARTICLE	IF	CITATIONS
37	Design of a Sequential Axial Turbocharger for Automotive Application. <i>Energies</i> , 2019, 12, 4433.	3.1	4
38	Preliminary Investigation of the Performance of an Engine Equipped with an Advanced Axial Turbocharger Turbine. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7452.	2.5	3
39	Generation of 3D Turbine Blades for Automotive Organic Rankine Cycles: Mathematical and Computational Perspectives. <i>Mathematics</i> , 2021, 9, 50.	2.2	3
40	Modelling of Electrically-Assisted Turbocharger Compressor Performance. <i>Energies</i> , 2019, 12, 975.	3.1	2
41	Design of an Axial Turbine for Highly Downsized Internal Combustion Engines. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5935.	2.5	2
42	Modelling of a Dual-Fuel-Mode Free-Jet Combustion System. <i>Aerospace</i> , 2019, 6, 135.	2.2	0
43	Performance analysis and optimisation of a reheat organic Rankine cycle. <i>International Journal of Sustainable Energy</i> , 0, , 1-23.	2.4	0
44	Effect of radial turbo-expander design on off-highway vehicle organic Rankine cycle system efficiency. <i>International Journal of Powertrains</i> , 2018, 7, 72.	0.3	0