Apostolos Pesyridis

List of Publications by Year in Descending Order

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	Comparative assessment of innovative methods to improve solar chimney power plant efficiency. *Sustainable Energy Technologies and Assessments*, **2022**, 49, 101807	4.7	1
40	Generation of 3D Turbine Blades for Automotive Organic Rankine Cycles: Mathematical and Computational Perspectives. *Mathematics*, **2021**, 9, 50	2.3	1
39	The Application of Virtual Reality in Engineering Education. *Applied Sciences (Switzerland)*, **2021**, 11, 2879	2.6	16
38	Numerical Investigation of an RCCI Engine Fueled with Natural Gas/Dimethyl-Ether in Various Injection Strategies. *Energies*, **2021**, 14, 1638	3.1	4
37	Design, size estimation, and thermodynamic analysis of a realizable organic Rankine cycle system for waste heat recovery in commercial truck engines. *Thermal Science and Engineering Progress*, **2021**, 22, 100849	3.6	3
36	Turbine optimization potential to improve automotive Rankine cycle performance. *Applied Thermal Engineering*, **2021**, 186, 116559	5.8	2
35	Towards improvement of waste heat recovery systems: A multi-objective optimization of different organic Rankine cycle configurations. *International Journal of Thermofluids*, **2021**, 11, 100100	5.6	5
34	Preliminary Investigation of the Performance of an Engine Equipped with an Advanced Axial Turbocharger Turbine. *Applied Sciences (Switzerland)*, **2020**, 10, 7452	2.6	1
33	Overview of Clean Automotive Thermal Propulsion Options for India to 2030. *Applied Sciences (Switzerland)*, **2020**, 10, 3604	2.6	8
32	Design and study of back-swept high pressure ratio radial turbo-expander in automotive organic Rankine cycles. *Applied Thermal Engineering*, **2020**, 164, 114549	5.8	10
31	Organic Rankine Cycle Waste Heat Recovery for Passenger Hybrid Electric Vehicles. *Energies*, **2020**, 13, 4532	3.1	9
30	Overview of recent developments and the future of organic Rankine cycle applications for exhaust energy recovery in highway truck engines. *International Journal of Green Energy*, **2020**, 17, 1005-1021	3	4
29	Experimental analysis of a micro-scale organic Rankine cycle system retrofitted to operate in grid-connected mode. *Applied Thermal Engineering*, **2020**, 180, 115889	5.8	3
28	Design of an Axial Turbine for Highly Downsized Internal Combustion Engines. *Applied Sciences (Switzerland)*, **2020**, 10, 5935	2.6	1
27	Thermoelectric Generation in Hybrid Electric Vehicles. *Energies*, **2020**, 13, 3742	3.1	7
26	Turbocharger Axial Turbines for High Transient Response, Part 1: A Preliminary Design Methodology. *Applied Sciences (Switzerland)*, **2019**, 9, 838	2.6	3
25	Investigation of Micro Gas Turbine Systems for High Speed Long Loiter Tactical Unmanned Air Systems. *Aerospace*, **2019**, 6, 55	2.5	11

24	Modelling and Evaluation of Waste Heat Recovery Systems in the Case of a Heavy-Duty Diesel Engine. *Energies*, **2019**, 12, 1397	3.1	3
23	Modelling of Electrically-Assisted Turbocharger Compressor Performance. *Energies*, **2019**, 12, 975	3.1	0
22	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	4
21	Turbocharger Axial Turbines for High Transient Response, Part 2: Genetic Algorithm Development for Axial Turbine Optimisation. *Applied Sciences (Switzerland)*, **2019**, 9, 2679	2.6	2
20	Experimental study of organic Rankine cycle system and expander performance for heavy-duty diesel engine. *Energy Conversion and Management*, **2019**, 199, 111998	10.6	22
19	Modelling of a Dual-Fuel-Mode Free-Jet Combustion System. *Aerospace*, **2019**, 6, 135	2.5	
18	Electric Boosting and Energy Recovery Systems for Engine Downsizing. *Energies*, **2019**, 12, 4636	3.1	12
17	Design of a Sequential Axial Turbocharger for Automotive Application. *Energies*, **2019**, 12, 4433	3.1	3
16	Machine Learning for the prediction of the dynamic behavior of a small scale ORC system. *Energy*, **2019**, 166, 72-82	7.9	18
15	Application of Micro Gas Turbine in Range-Extended Electric Vehicles. *Energy*, **2018**, 147, 351-361	7.9	34
14	Effect of radial turbo-expander design on off-highway vehicle organic Rankine cycle system efficiency. *International Journal of Powertrains*, **2018**, 7, 72	0.5	5
13	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	10.7	51
12	Ramjet Nozzle Analysis for Transport Aircraft Configuration for Sustained Hypersonic Flight. *Applied Sciences (Switzerland)*, **2018**, 8, 574	2.6	5
11	A Scramjet Compression System for Hypersonic Air Transportation Vehicle Combined Cycle Engines. *Energies*, **2018**, 11, 1568	3.1	7
10	Design and Performance Evaluation of an Axial Inflow Turbocharger Turbine. *Energies*, **2018**, 11, 278	3.1	3
9	Expander Technologies for Automotive Engine Organic Rankine Cycle Applications. *Energies*, **2018**, 11, 1905	3.1	26
8	Review of Organic Rankine Cycle experimental data trends. *Energy Conversion and Management*, **2018**, 173, 679-691	10.6	99
7	An Evaluation of Turbocharging and Supercharging Options for High-Efficiency Fuel Cell Electric Vehicles. *Applied Sciences (Switzerland)*, **2018**, 8, 2474	2.6	13

6	Modelling a Hypersonic Single Expansion Ramp Nozzle of a Hypersonic Aircraft through Parametric Studies. *Energies*, **2018**, 11, 3449	3.1	2
5	Ramjet Compression System for a Hypersonic Air Transportation Vehicle Combined Cycle Engine. *Energies*, **2018**, 11, 2558	3.1	4
4	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	7.9	20
3	Conceptual Advanced Transport Aircraft Design Configuration for Sustained Hypersonic Flight. *Aerospace*, **2018**, 5, 91	2.5	4
2	Modeling of Supersonic Combustion Systems for Sustained Hypersonic Flight. *Energies*, **2017**, 10, 1900	3.1	13
1	Performance analysis and optimisation of a reheat organic Rankine cycle. *International Journal of Sustainable Energy*,1-23	2.7	