Michel

List of Publications by Year
in descending order

26	565	949033 11	721071 23
papers	citations	h-index	g-index

27	27	27	514
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	A New Step in the Optimization of the Chambadal Model of the Carnot Engine. Entropy, 2022, 24, 84.	1.1	4
2	The Carnot Cycle and Heat Engine Fundamentals and Applications II. Entropy, 2022, 24, 230.	1.1	1
3	Thermoelectric generator in endoreversible approximation: The effect of heat-transfer law under finite physical dimensions constraint. Physical Review E, 2022, 105, 034122.	0.8	2
4	Duhem and Natanson: Two Mathematical Approaches to Thermodynamics. Energies, 2022, 15, 1881.	1.6	0
5	Optimization Modeling of Irreversible Carnot Engine from the Perspective of Combining Finite Speed and Finite Time Analysis. Entropy, 2021, 23, 504.	1.1	9
6	Finite Physical Dimensions Thermodynamics Analysis and Design of Closed Irreversible Cycles. Energies, 2021, 14, 3416.	1.6	4
7	Endo-irreversible thermo-mechanical Carnot engine with new concept of entropy production action coefficient. EPJ Applied Physics, 2021, 94, 30901.	0.3	2
8	Numerical Investigation Of Solar Parabolic Trough Collector Combined With Storage Tank Using Nanofluids In Tunisia. , 2021, , .		0
9	Flare Gas Waste Heat Recovery: Assessment of Organic Rankine Cycle for Electricity Production and Possible Coupling with Absorption Chiller. Energies, 2020, 13, 2265.	1.6	8
10	New Criteria to Characterize the Waste Heat Recovery. Energies, 2020, 13, 789.	1.6	12
11	Carnot Cycle and Heat Engine: Fundamentals and Applications. Entropy, 2020, 22, 348.	1.1	10
12	Neoclassical Navierâ€“Stokes Equations Considering the Gyftopoulosâ€“Beretta Exposition of Thermodynamics. Energies, 2020, 13, 1656.	1.6	4
13	Progress in Carnot and Chambadal Modeling of Thermomechanical Engine by Considering Entropy Production and Heat Transfer Entropy. Entropy, 2019, 21, 1232.	1.1	30
14	From Finite Time to Finite Physical Dimensions Thermodynamics: The Carnot Engine and Onsagerâ€™s Relations Revisited. Journal of Non-Equilibrium Thermodynamics, 2018, 43, 151-161.	2.4	14
15	Influence of the working fluid properties on optimized power of an irreversible finite dimensions Carnot engine. Energy Conversion and Management, 2018, 163, 444-456.	4.4	14
16	Without heat and work - futher remarks on the Gyftopoulos-Beretta exposition of thermodynamics. International Journal of Thermodynamics, 2018, 21, 180-184.	0.4	3
17	The History and Perspectives of Efficiency at Maximum Power of the Carnot Engine. Entropy, 2017, 19, 369.	1.1	34
18	Nonlinear Thermodynamic Analysis and Optimization of a Carnot Engine Cycle. Entropy, 2016, 18, 243.	1.1	12

#	ARTICLE	IF	CITATIONS
19	Optimization of powered Stirling heat engine with finite speed thermodynamics. Energy Conversion and Management, 2016, 108, 96-105.	4.4	59
20	Optimization of the Changing Phase Fluid in a Carnot Type Engine for the Recovery of a Given Waste Heat Source. Entropy, 2015, 17, 5503-5521.	1.1	5
21	H. B. Reitlinger and the origins of the efficiency at maximum power formula for heat engines. Journal of Non-Equilibrium Thermodynamics, 2014, 39, 199-203.	2.4	54
22	Performance optimization of low-temperature power generation by supercritical ORCs (organic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	4.5	143
23	Association of Finite-Dimension Thermodynamics and a Bond-Graph Approach for Modeling an Irreversible Heat Engine. Entropy, 2012, 14, 1234-1258.	1.1	9
24	A methodology of computation, design and optimization of solar Stirling power plant using hydrogen/oxygen fuel cells. Energy, 2010, 35, 729-739.	4.5	49
25	Optimal Thermodynamicsâ€"New Upperbounds. Entropy, 2009, 11, 529-547.	1.1	64
26	Thermodynamic and economic evaluation of a small-scale organic Rankine cycle integrated with a concentrating solar collector. International Journal of Low-Carbon Technologies, 0, , ctv025.	1.2	19