Joaquim Anacleto

List of Publications by Year
in descending order

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43 papers	300 citations	933447 10 h-index	996975 15 g-index
45 all docs	45 docs citations	45 times ranked	91 citing authors

#	Article	IF	Citations
1	Pythagorean means: thermodynamic examples. European Journal of Physics, 2022, 43, 025101.	0.6	1
2	Thermal capacities: system or process properties?. European Journal of Physics, 2021, 42, 025102.	0.6	3
3	The reservoir concept: entropy generation and lost work. European Journal of Physics, 2021, 42, 035102.	0.6	7
4	Comment on â€˜Equivalence of the Kelvinâ€“Planck statement of the second law and the principle of entropy increaseâ€™. European Journal of Physics, 2019, 40, 018001.	0.6	0
5	Adiabatic and thermally insulated: should they have the same meaning?. European Journal of Physics, 2018, 39, 015101.	0.6	3
6	Magnetic field generated by the flow of AC current through finite length nonmagnetic conductors (cylinders, tubes, coaxial cables). Electrical Engineering, 2018, 100, 1379-1391.	2.0	4
7	Using Biotâ€“Savartâ€™s law to determine the finite tubeâ€™s magnetic field. European Journal of Physics, 2018, 39, 055202.	0.6	2
8	The magnetic field circulation counterpart to Biot-Savartâ€™s law. European Physical Journal Plus, 2018, 133, 1.	2.6	11
9	Why is dissipative work insistently ignored? The case of heat capacities. European Journal of Physics, 2018, 39, 055102.	0.6	4
10	Comment on â€˜A note on heat reservoirs and the likeâ€™. European Journal of Physics, 2017, 38, 048001.	0.6	5
11	Magnetic field created by a conducting cylindrical shell of finite length. Electrical Engineering, 2017, 99, 979-986.	2.0	4
12	Comment on â€˜Exact electromagnetic fields produced by a finite wire with constant currentâ€™. European Journal of Physics, 2016, 37, 048002.	0.6	2
13	Reversible versus irreversible thermalization of two finite blocks. European Journal of Physics, 2016, 37, 022001.	0.6	4
14	Comment on â€œMagnetic Field Due to a Finite Length Current-Carrying Wire Using the Concept of Displacement Currentâ€• Physics Teacher, 2015, 53, 68-68.	0.3	1
15	On the representation of thermodynamic processes. European Journal of Physics, 2015, 36, 035006.	0.6	14
16	AmpÃ¨reâ€“Maxwell law for a conducting wire: a topological perspective. European Journal of Physics, 2013, 34, 1403-1410.	0.6	9
17	Reply to â€˜Comment on â€œOn the Clausius equality and inequalityâ€â€™. European Journal of Physics, 2013, 34, L17-L21.	0.6	0
18	Reply to â€˜Comment on â€œDissipative work in thermodynamicsâ€â€™. European Journal of Physics, 2013, 34, L31-L33.	0.6	0

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19	Reply to â€˜Comment on â€œSymmetry of the adiabatic condition in the piston problemâ€â€™. European Journal of Physics, 2013, 34, L37-L38.	0.6	0
20	Intrinsic symmetry of AmpÃ¨reâ€™s circuital law and other educational issues. Canadian Journal of Physics, 2012, 90, 67-72.	1.1	6
21	On the Clausius equality and inequality. European Journal of Physics, 2011, 32, 279-286.	0.6	12
22	The two-piston problem revisited: Generalization from reversible to irreversible expansion. American Journal of Physics, 2011, 79, 1009-1014.	0.7	1
23	Dissipative work in thermodynamics. European Journal of Physics, 2011, 32, 37-47.	0.6	16
24	On the Clausius equality and inequality. European Journal of Physics, 2011, 32, 845-845.	0.6	2
25	Symmetry of the adiabatic condition in the piston problem. European Journal of Physics, 2011, 32, 1625-1631.	0.6	2
26	Effect of temperature-dependent viscosity on forced convection heat transfer from a cylinder in crossflow of power-law fluids. International Journal of Heat and Mass Transfer, 2010, 53, 4728-4740.	4.8	29
27	On thermodynamical work and heat definitions and their consistency regarding the second law. Revista Brasileira De Ensino De Fisica, 2010, 32, 1-8.	0.2	0
28	Work reservoirs in thermodynamics. European Journal of Physics, 2010, 31, 617-624.	0.6	18
29	Minimizing the generation of entropy: which sequence of reservoirs to choose?. European Journal of Physics, 2010, 31, L1-L4.	0.6	5
30	When an adiabatic irreversible expansion or compression becomes reversible. European Journal of Physics, 2009, 30, 487-495.	0.6	14
31	From free expansion to abrupt compression of an ideal gas. European Journal of Physics, 2009, 30, 177-183.	0.6	10
32	Adiabatic process reversibility: microscopic and macroscopic views. European Journal of Physics, 2009, 30, L35-L40.	0.6	2
33	Mixed Convection From a Circular Cylinder to Power Law Fluids. Industrial & Engineering Chemistry Research, 2009, 48, 8219-8231.	3.7	48
34	Surroundings-based and system-based heat and work definitions: Which one is the most suitable?. Journal of Chemical Thermodynamics, 2008, 40, 134-135.	2.0	5
35	Thermodynamical interactions: subtleties of heat and work concepts. European Journal of Physics, 2008, 29, 555-566.	0.6	14
36	Identical thermodynamical processes and the generalization of the Clausius inequality. Canadian Journal of Physics, 2008, 86, 369-377.	1.1	6

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37	Calor e trabalho: sÃ£o estes conceitos invariantes sob a permuta sistema-vizinhanÃ§a?. Quimica Nova, 2008, 31, 1881-1884.	0.3	1
38	Simulation of various configurations of single-pump dispersion-compensating Raman/EDFA hybrid amplifiers. , 2007, , .		3
39	Sobre a primeira lei da termodinÃ¢mica: as diferenciais do calor e do trabalho. Quimica Nova, 2007, 30, 488-490.	0.3	5
40	Entropy change of an ideal gas determination with no reversible process. Revista Brasileira De Ensino De Fisica, 2005, 27, 259-262.	0.2	2
41	Identical thermodynamical processes and entropy. Canadian Journal of Physics, 2005, 83, 629-636.	1.1	21
42	Entropy change of an ideal gas determination with no reversible process. Revista Brasileira De Ensino De Fisica, 2005, 27, .	0.0	3
43	How to distinguish heat from work in irreversible processes?. European Journal of Physics, 0, , .	0.6	1