

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	Mixed Convection From a Circular Cylinder to Power Law Fluids. Industrial & Engineering Chemistry Research, 2009, 48, 8219-8231.	3.7	48
2	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
3	Identical thermodynamical processes and entropy. Canadian Journal of Physics, 2005, 83, 629-636.	1.1	21
4	Work reservoirs in thermodynamics. European Journal of Physics, 2010, 31, 617-624.	0.6	18
5	Dissipative work in thermodynamics. European Journal of Physics, 2011, 32, 37-47.	0.6	16
6	Thermodynamical interactions: subtleties of heat and work concepts. European Journal of Physics, 2008, 29, 555-566.	0.6	14
7	When an adiabatic irreversible expansion or compression becomes reversible. European Journal of Physics, 2009, 30, 487-495.	0.6	14
8	On the representation of thermodynamic processes. European Journal of Physics, 2015, 36, 035006.	0.6	14
9	On the Clausius equality and inequality. European Journal of Physics, 2011, 32, 279-286.	0.6	12
10	The magnetic field circulation counterpart to Biot-Savart's law. European Physical Journal Plus, 2018, 133, 1.	2.6	11
11	From free expansion to abrupt compression of an ideal gas. European Journal of Physics, 2009, 30, 177-183.	0.6	10
12	Ampère's Maxwell law for a conducting wire: a topological perspective. European Journal of Physics, 2013, 34, 1403-1410.	0.6	9
13	The reservoir concept: entropy generation and lost work. European Journal of Physics, 2021, 42, 035102.	0.6	7
14	Identical thermodynamical processes and the generalization of the Clausius inequality. Canadian Journal of Physics, 2008, 86, 369-377.	1.1	6
15	Intrinsic symmetry of Ampère's circuital law and other educational issues. Canadian Journal of Physics, 2012, 90, 67-72.	1.1	6
16	Sobre a primeira lei da termodinâmica: as diferenciais do calor e do trabalho. Quimica Nova, 2007, 30, 488-490.	0.3	5
17	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
18	Minimizing the generation of entropy: which sequence of reservoirs to choose?. European Journal of Physics, 2010, 31, L1-L4.	0.6	5

#	ARTICLE	IF	CITATIONS
19	Comment on "A note on heat reservoirs and the like". European Journal of Physics, 2017, 38, 048001.	0.6	5
20	Reversible versus irreversible thermalization of two finite blocks. European Journal of Physics, 2016, 37, 022001.	0.6	4
21	Magnetic field created by a conducting cylindrical shell of finite length. Electrical Engineering, 2017, 99, 979-986.	2.0	4
22	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
23	Why is dissipative work insistently ignored? The case of heat capacities. European Journal of Physics, 2018, 39, 055102.	0.6	4
24	Simulation of various configurations of single-pump dispersion-compensating Raman/EDFA hybrid amplifiers. , 2007, , .		3
25	Adiabatic and thermally insulated: should they have the same meaning?. European Journal of Physics, 2018, 39, 015101.	0.6	3
26	Thermal capacities: system or process properties?. European Journal of Physics, 2021, 42, 025102.	0.6	3
27	Entropy change of an ideal gas determination with no reversible process. Revista Brasileira De Ensino De Fisica, 2005, 27, .	0.0	3
28	Entropy change of an ideal gas determination with no reversible process. Revista Brasileira De Ensino De Fisica, 2005, 27, 259-262.	0.2	2
29	Adiabatic process reversibility: microscopic and macroscopic views. European Journal of Physics, 2009, 30, L35-L40.	0.6	2
30	On the Clausius equality and inequality. European Journal of Physics, 2011, 32, 845-845.	0.6	2
31	Symmetry of the adiabatic condition in the piston problem. European Journal of Physics, 2011, 32, 1625-1631.	0.6	2
32	Comment on "Exact electromagnetic fields produced by a finite wire with constant current". European Journal of Physics, 2016, 37, 048002.	0.6	2
33	Using Biot-Savart's law to determine the finite tube's magnetic field. European Journal of Physics, 2018, 39, 055202.	0.6	2
34	Calor e trabalho: sãŁo estes conceitos invariantes sob a permuta sistema-vizinhãŁa?. Quimica Nova, 2008, 31, 1881-1884.	0.3	1
35	The two-piston problem revisited: Generalization from reversible to irreversible expansion. American Journal of Physics, 2011, 79, 1009-1014.	0.7	1
36	Comment on "Magnetic Field Due to a Finite Length Current-Carrying Wire Using the Concept of Displacement Current". Physics Teacher, 2015, 53, 68-68.	0.3	1

#	ARTICLE	IF	CITATIONS
37	Pythagorean means: thermodynamic examples. European Journal of Physics, 2022, 43, 025101.	0.6	1
38	How to distinguish heat from work in irreversible processes?. European Journal of Physics, 0, , .	0.6	1
39	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
40	Reply to "Comment on "On the Clausius equality and inequality"™. European Journal of Physics, 2013, 34, L17-L21.	0.6	0
41	Reply to "Comment on "Dissipative work in thermodynamics"™. European Journal of Physics, 2013, 34, L31-L33.	0.6	0
42	Reply to "Comment on "Symmetry of the adiabatic condition in the piston problem"™. European Journal of Physics, 2013, 34, L37-L38.	0.6	0
43	Comment on "Equivalence of the Kelvin"Planck statement of the second law and the principle of entropy increase"™. European Journal of Physics, 2019, 40, 018001.	0.6	0