

Luis-Antonio Arias-Hernandez

List of Publications by Year in descending order

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20
papers

452
citations

759055

12
h-index

794469

19
g-index

20
all docs

20
docs citations

20
times ranked

128
citing authors

#	ARTICLE	IF	CITATIONS
1	Energetic optimization effects in single resonant tunneling GaAs-nanoconverters. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 124, 114231.	1.3	3
2	Thermoelectric Thomson Relations Revisited for a Linear Energy Converter. Journal of Non-Equilibrium Thermodynamics, 2019, 44, 315-332.	2.4	6
3	Thermal optimization of Curzon-Ahlborn heat engines operating under some generalized efficient power regimes. European Physical Journal Plus, 2019, 134, 1.	1.2	21
4	Temperature profile of an assemblage of non-isothermic linear energy converters. Physica Scripta, 2019, 94, 125010.	1.2	1
5	Thermodynamic properties of diatomic molecule systems under $SO(2,1)$ -anharmonic Eckart potential. International Journal of Quantum Chemistry, 2018, 118, e25589.	1.0	21
6	A graphic approach to include dissipative-like effects in reversible thermal cycles. European Physical Journal B, 2017, 90, 1.	0.6	4
7	Thermodynamic Optimization of an Electric Circuit as a Non-steady Energy Converter. Journal of Non-Equilibrium Thermodynamics, 2017, 42, 187-199.	2.4	9
8	Restrictions on linear heat capacities from Joule-Brayton maximum-work cycle efficiency. Physical Review E, 2014, 89, 022134.	0.8	7
9	Connection between maximum-work and maximum-power thermal cycles. Physical Review E, 2013, 88, 052142.	0.8	34
10	Comparative analysis of two ecological type modes of performance for a simple energy converter. Journal of the Energy Institute, 2009, 82, 223-227.	2.7	28
11	First-order irreversible thermodynamic approach to a simple energy converter. Physical Review E, 2008, 77, 011123.	0.8	38
12	Comment on "Convective heat transfer law for an endoreversible engine" [J. Appl. Phys. 100, 014911 (2006)]. Journal of Applied Physics, 2007, 101, 036106.	1.1	0
13	Linear irreversible thermodynamics and coefficient of performance. Physical Review E, 2006, 73, 057103.	0.8	46
14	A Variational Ecological-Type Optimization of Some Thermal-Engine Models. Open Systems and Information Dynamics, 2004, 11, 123-138.	0.5	11
15	On Some Nonendoreversible Engine Models with Nonlinear Heat Transfer Laws. Open Systems and Information Dynamics, 2003, 10, 351-375.	0.5	29
16	A variational approach to ecological-type optimization criteria for finite-time thermal engine models. Journal Physics D: Applied Physics, 2002, 35, 1089-1093.	1.3	18
17	Reply to "Comment on 'A general property of endoreversible thermal engines'" [J. Appl. Phys. 89, 1518 (2001)]. Journal of Applied Physics, 2001, 89, 1520-1521.	1.1	27
18	A general property of non-endoreversible thermal cycles. Journal Physics D: Applied Physics, 1999, 32, 1415-1420.	1.3	42

#	ARTICLE	IF	CITATIONS
19	A general property of endoreversible thermal engines. Journal of Applied Physics, 1997, 81, 2973-2979.	1.1	84
20	van't Hoff's Equation for Endoreversible Chemical Reactions. The Journal of Physical Chemistry, 1996, 100, 9193-9195.	2.9	23