

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	A general property of endoreversible thermal engines. <i>Journal of Applied Physics</i> , 1997, 81, 2973-2979.	1.1	84
2	Linear irreversible thermodynamics and coefficient of performance. <i>Physical Review E</i> , 2006, 73, 057103.	0.8	46
3	A general property of non-endoreversible thermal cycles. <i>Journal Physics D: Applied Physics</i> , 1999, 32, 1415-1420.	1.3	42
4	First-order irreversible thermodynamic approach to a simple energy converter. <i>Physical Review E</i> , 2008, 77, 011123.	0.8	38
5	Connection between maximum-work and maximum-power thermal cycles. <i>Physical Review E</i> , 2013, 88, 052142.	0.8	34
6	On Some Nonendoreversible Engine Models with Nonlinear Heat Transfer Laws. <i>Open Systems and Information Dynamics</i> , 2003, 10, 351-375.	0.5	29
7	Comparative analysis of two ecological type modes of performance for a simple energy converter. <i>Journal of the Energy Institute</i> , 2009, 82, 223-227.	2.7	28
8	Reply to "Comment on "A general property of endoreversible thermal engines" [J. Appl. Phys. 89, 1518 (2001)]. <i>Journal of Applied Physics</i> , 2001, 89, 1520-1521.	1.1	27
9	van't Hoff's Equation for Endoreversible Chemical Reactions. <i>The Journal of Physical Chemistry</i> , 1996, 100, 9193-9195.	2.9	23
10	Thermodynamic properties of diatomic molecule systems under $SO(2,1)$ -anharmonic Eckart potential. <i>International Journal of Quantum Chemistry</i> , 2018, 118, e25589.	1.0	21
11	Thermal optimization of Curzon-Ahlborn heat engines operating under some generalized efficient power regimes. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	21
12	A variational approach to ecological-type optimization criteria for finite-time thermal engine models. <i>Journal Physics D: Applied Physics</i> , 2002, 35, 1089-1093.	1.3	18
13	A Variational Ecological-Type Optimization of Some Thermal-Engine Models. <i>Open Systems and Information Dynamics</i> , 2004, 11, 123-138.	0.5	11
14	Thermodynamic Optimization of an Electric Circuit as a Non-steady Energy Converter. <i>Journal of Non-Equilibrium Thermodynamics</i> , 2017, 42, 187-199.	2.4	9
15	Restrictions on linear heat capacities from Joule-Brayton maximum-work cycle efficiency. <i>Physical Review E</i> , 2014, 89, 022134.	0.8	7
16	Thermoelectric Thomson Relations Revisited for a Linear Energy Converter. <i>Journal of Non-Equilibrium Thermodynamics</i> , 2019, 44, 315-332.	2.4	6
17	A graphic approach to include dissipative-like effects in reversible thermal cycles. <i>European Physical Journal B</i> , 2017, 90, 1.	0.6	4
18	Energetic optimization effects in single resonant tunneling GaAs-nanoconverters. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020, 124, 114231.	1.3	3

#	ARTICLE	IF	CITATIONS
19	Temperature profile of an assemblage of non-isothermic linear energy converters. Physica Scripta, 2019, 94, 125010.	1.2	1
20	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