

Entropy Principle and Recent Results in Non-Equilibrium

Entropy

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A two-temperature model for thermoelectric effects and its consequences in practical applications. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2015, 66, 3433-3445.	0.7	3
2	Non-Fourier Heat Transfer with Phonons and Electrons in a Circular Thin Layer Surrounding a Hot Nanodevice. <i>Entropy</i> , 2015, 17, 5157-5170.	1.1	10
3	A thermodynamic model for heat transport and thermal wave propagation in graded systems. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 73, 242-249.	1.3	23
4	Early history of extended irreversible thermodynamics (1953â€“1983): An exploration beyond local equilibrium and classical transport theory. <i>European Physical Journal H</i> , 2015, 40, 205-240.	0.5	23
5	Non-linear extended thermodynamics of real gases with 6 fields. <i>International Journal of Non-Linear Mechanics</i> , 2015, 72, 6-15.	1.4	48
6	A phonon-hydrodynamic approach to thermal conductivity of Siâ€“Ge quantum dot superlattices. <i>Applied Mathematical Modelling</i> , 2015, 39, 4687-4698.	2.2	8
7	Influence of the electron and phonon temperature and of the electric-charge density on the optimal efficiency of thermoelectric nanowires. <i>Mechanics Research Communications</i> , 2015, 68, 77-82.	1.0	8
8	Influence of electron and phonon temperature on the efficiency of thermoelectric conversion. <i>International Journal of Heat and Mass Transfer</i> , 2015, 80, 344-352.	2.5	21
9	Theories and heat pulse experiments of non-Fourier heat conduction. <i>Communications in Applied and Industrial Mathematics</i> , 2016, 7, 150-166.	0.6	19
10	A nonlinear model of thermoelectricity with two temperatures: Application to quasicrystalline nanowires. <i>Journal of Mathematical Physics</i> , 2016, 57, .	0.5	2
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12	Dynamical temperature and generalized heat-conduction equation. <i>International Journal of Non-Linear Mechanics</i> , 2016, 79, 76-82.	1.4	8
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14	Constitutive equations for heat conduction in nanosystems and nonequilibrium processes: an overview. <i>Communications in Applied and Industrial Mathematics</i> , 2016, 7, 196-222.	0.6	28
15	Heat-pulse propagation along nonequilibrium nanowires in thermomass theory. <i>Communications in Applied and Industrial Mathematics</i> , 2016, 7, 39-55.	0.6	5
16	Thermodynamic framework for a generalized heat transport equation. <i>Communications in Applied and Industrial Mathematics</i> , 2016, 7, 167-176.	0.6	3
17	Phase-field evolution in Cahnâ€“Hilliardâ€“Korteweg fluids. <i>Acta Mechanica</i> , 2016, 227, 2111-2124.	1.1	5
18	Computational analysis of heat rectification in composition-graded systems: From macro-to-nanoscale. <i>Physica B: Condensed Matter</i> , 2016, 481, 244-251.	1.3	15

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23	Minimal Entropy Production and Efficiency of Energy Conversion in Nonlinear Thermoelectric Systems with Two Temperatures. Journal of Non-Equilibrium Thermodynamics, 2017, 42, .	2.4	6
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30	A Novel Derivation of the Time Evolution of the Entropy for Macroscopic Systems in Thermal Non-Equilibrium. Entropy, 2017, 19, 594.	1.1	7
31	Generalized heat-transport equations: parabolic and hyperbolic models. Continuum Mechanics and Thermodynamics, 2018, 30, 1245-1258.	1.4	20
32	A Thermodynamically Consistent Approach to Phase-Separating Viscous Fluids. Journal of Non-Equilibrium Thermodynamics, 2018, 43, 185-191.	2.4	2
33	Extended Thermodynamics of Rarefied Polyatomic Gases: 15-Field Theory Incorporating Relaxation Processes of Molecular Rotation and Vibration. Entropy, 2018, 20, 301.	1.1	28
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42	Phonon-electron coupling and nonlocal heat transport in Bi ₂ Te ₃ nanowires. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019, 108, 421-427.	1.3	6
43	Kinetic schemes for assessing stability of traveling fronts for the Allen-Cahn equation with relaxation. <i>Applied Numerical Mathematics</i> , 2019, 141, 234-247.	1.2	4
44	Nonlinear Propagation of Coupled First- and Second-Sound Waves in Thermoelastic Solids. <i>Journal of Elasticity</i> , 2020, 138, 93-109.	0.9	5
46	Fitting thermal conductivity and optimizing thermoelectric efficiency in $\langle \text{Si} \rangle$ nanowires. <i>Mathematics and Computers in Simulation</i> . 2020. 176. 279-291.	2.4	10
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56	Nonlinear heat wave propagation in a rigid thermal conductor. <i>Acta Mechanica</i> , 2020, 231, 1867-1886.	1.1	4

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58	Enhanced thermal rectification in graded Si Ge1- alloys. Mechanics Research Communications, 2020, 103, 103472.	1.0	14
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60	Phonon- and electron-temperature waves in a Maxwell-Cattaneo heat-conduction theory. Journal of Thermal Stresses, 2021, 44, 1-19.	1.1	7
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