

Younes Ezzahri

List of Publications by Year in descending order

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77
papers

1,661
citations

257450

24
h-index

302126

39
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78
all docs

78
docs citations

78
times ranked

1641
citing authors

#	ARTICLE	IF	CITATIONS
19	Heat transport in semiconductor crystals under large temperature gradients. International Journal of Heat and Mass Transfer, 2017, 108, 1357-1363.	4.8	3
20	Quantum thermal diode based on two interacting spinlike systems under different excitations. Physical Review E, 2017, 95, 022128.	2.1	59
21	Thermal Conductance of a Surface Phonon-Polariton Crystal Made up of Polar Nanorods. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2017, 72, 135-139.	1.5	2
22	Quantum Thermal Rectification to Design Thermal Diodes and Transistors. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2017, 72, 163-170.	1.5	6
23	Photonic thermal diode based on superconductors. Journal of Applied Physics, 2017, 122, .	2.5	25
24	Invariant for one-dimensional heat conduction in dielectrics and metals. Europhysics Letters, 2017, 118, 34001.	2.0	0
25	Size effects on the thermal conductivity of nano aerogels. , 2017, , .		0
26	Polaritonic figure of merit of plane structures. Optics Express, 2017, 25, 25938.	3.4	5
27	Dynamical heat transport amplification in a far-field thermal transistor of VO ₂ excited with a laser of modulated intensity. Journal of Applied Physics, 2016, 119, .	2.5	21
28	Temperature dependence of a microstructured SiC coherent thermal source. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 180, 29-38.	2.3	14
29	Thermal energy transport in a surface phonon-polariton crystal. Physical Review B, 2016, 93, .	3.2	27
30	Quantum Thermal Transistor. Physical Review Letters, 2016, 116, 200601.	7.8	183
31	Transistorlike Device for Heating and Cooling Based on the Thermal Hysteresis of VO_2 . Physical Review Applied, 2016, 6, .	3.8	46
32	Optimized thermal amplification in a radiative transistor. Journal of Applied Physics, 2016, 119, .	2.5	29
33	Thermal emission by a subwavelength aperture. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 173, 1-6.	2.3	3
34	Radiative thermal rectification between SiC and SiO ₂ . Optics Express, 2015, 23, A1388.	3.4	65
35	Dynamical behaviour of a far-field radiative thermal transistor. , 2015, , .		0
36	Near field radiative heat transfer between two nonlocal dielectrics. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 154, 55-62.	2.3	21

#	ARTICLE	IF	CITATIONS
37	Nonlocal study of the near field radiative heat transfer between two n-doped semiconductors. International Journal of Heat and Mass Transfer, 2015, 90, 34-39.	4.8	5
38	Modulation and amplification of radiative far field heat transfer: Towards a simple radiative thermal transistor. Applied Physics Letters, 2015, 106, .	3.3	66
39	Simple far-field radiative thermal rectifier using Fabry-Pérot cavities based infrared selective emitters. Applied Optics, 2014, 53, 3479.	1.8	50
40	Dynamical thermoelectric coefficients of bulk semiconductor crystals: Towards high thermoelectric efficiency at high frequencies. Journal of Applied Physics, 2014, 115, .	2.5	5
41	Radiative thermal rectification using superconducting materials. Applied Physics Letters, 2014, 104, .	3.3	52
42	Vacuum-induced phonon transfer between two solid dielectric materials: Illustrating the case of Casimir force coupling. Physical Review B, 2014, 90, .	3.2	38
43	Effect of embedding nanoparticles on the lattice thermal conductivity of bulk semiconductor crystals. Journal of Applied Physics, 2013, 113, 043510.	2.5	8
44	Maximal near-field radiative heat transfer between two plates. EPJ Applied Physics, 2013, 63, 30902.	0.7	11
45	Dynamical thermal conductivity of bulk semiconductor crystals. Journal of Applied Physics, 2012, 112, 083515.	2.5	19
46	Capturing the Cumulative Effect in the Pump Probe Transient Thermoreflectance Technique using Network Identification by Deconvolution Method. Materials Research Society Symposia Proceedings, 2011, 1347, 1.	0.1	1
47	Transient Energy and Heat Transport in Metals: Effect of the Discrete Character of the Lattice. Journal of Heat Transfer, 2011, 133, .	2.1	5
48	Nanostructured Interfaces for Thermoelectrics. Journal of Electronic Materials, 2010, 39, 1456-1462.	2.2	50
49	Solid-State Microrefrigeration in Conjunction With Liquid Cooling. Journal of Electronic Packaging, Transactions of the ASME, 2010, 132, .	1.8	0
50	Application of network identification by deconvolution method to the thermal analysis of the pump-probe transient thermoreflectance signal. Review of Scientific Instruments, 2009, 80, 074903.	1.3	18
51	Bias-dependent MOS transistor thermal resistance and non-uniform self-heating temperature. Journal Physics D: Applied Physics, 2009, 42, 075101.	2.8	6
52	Short time transient thermal behavior of solid-state microrefrigerators. Journal of Applied Physics, 2009, 106, .	2.5	14
53	Investigating Coherent Zone-Folded Acoustic Phonons in Si/SiGe Superlattices by Transient Thermoreflectance Technique. Materials Research Society Symposia Proceedings, 2009, 1221, 8031.	0.1	0
54	Characterization of Single Barrier Microrefrigerators at Cryogenic Temperatures. Journal of Electronic Materials, 2009, 38, 1309-1314.	2.2	3

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55	Ballistic and diffusive transport of energy and heat in metals. Physical Review B, 2009, 79, .	3.2	14
56	Transient thermal imaging of pulsed-operation superlattice micro-refrigerators. , 2009, , .		12
57	Analysing Transient Thermoreflectance Data Using Network Identification by Deconvolution. , 2009, , .		0
58	Transient Energy and Heat Transport in Metals. , 2009, , .		1
59	A comparison of thin film microrefrigerators based on Si/SiGe superlattice and bulk SiGe. Microelectronics Journal, 2008, 39, 981-991.	2.0	39
60	Solid-state microrefrigeration in conjunction with liquid cooling. , 2008, , .		0
61	Microscale and Nanoscale Thermal Characterization Techniques. Journal of Electronic Packaging, Transactions of the ASME, 2008, 130, .	1.8	111
62	Measurement of Thin Film Isotropic and Anisotropic Thermal Conductivity Using $\text{31}\%$ and Thermoreflectance Imaging. , 2008, , .		1
63	Cross-plan Si $\hat{\text{a}}$ •SiGe superlattice acoustic and thermal properties measurement by picosecond ultrasonics. Journal of Applied Physics, 2007, 101, 013705.	2.5	20
64	Coherent phonons inSi $\hat{\text{a}}$ •SiGesuperlattices. Physical Review B, 2007, 75, .	3.2	58
65	Microscale and Nanoscale Thermal Characterization Techniques. , 2007, , .		17
66	Characterization of Heat Propagation along Single Tin Dioxide Nanobelt Using the Thermoreflectance Method. Materials Research Society Symposia Proceedings, 2007, 1022, 1.	0.1	1
67	Cross-plane Seebeck coefficient and Lorenz number in superlattices. Physical Review B, 2007, 76, .	3.2	48
68	Dynamical behavior and cut-off frequency of Si/SiGe microcoolers. Superlattices and Microstructures, 2007, 41, 7-16.	3.1	15
69	Optimization of Si/SiGe Microrefrigerators for Hybrid Solid-State/Liquid Cooling. , 2007, , .		2
70	Harmonic Regime Analysis and Inverse Method Applied to The Simultaneous Determination of Thermoelectric Properties. , 2006, , .		4
71	Dynamical behavior of the scanning thermal microscope (SThM) thermal resistive probe studied using Si/SiGe microcoolers. Superlattices and Microstructures, 2005, 38, 69-75.	3.1	10
72	Study of thermomechanical properties of Si $\hat{\text{a}}$ •SiGe superlattices using femtosecond transient thermoreflectance technique. Applied Physics Letters, 2005, 87, 103506.	3.3	16

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73	Simulation of Si/SiGe micro-cooler by thermal quadrupoles method. , 2005, , .		1
74	Characterization of thermoelectric devices by laser induced Seebeck electromotive force (LIS-EMF) measurement. Journal Physics D: Applied Physics, 2005, 38, 1489-1497.	2.8	2
75	Application of Picosecond Ultrasonics to Non-Destructive Analysis in VLSI circuits. Microelectronics Reliability, 2003, 43, 1803-1807.	1.7	1
76	Equilibrium domain structure in a ferromagnetic film coated by a superconducting film. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 306, 344-347.	2.1	12
77	Thermal and thermomechanical study of micro-refrigerators on a chip based on semiconductor heterostructures. , 0, , .		1