

Rodolphe Heyd

List of Publications by Year in descending order

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22
papers

457
citations

1163117

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794594

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g-index

22
all docs

22
docs citations

22
times ranked

472
citing authors

#	ARTICLE	IF	CITATIONS
1	Uniaxial-stress effects on the electronic properties of carbon nanotubes. <i>Physical Review B</i> , 1997, 55, 6820-6824.	3.2	214
2	Classification for double-walled carbon nanotubes. <i>Carbon</i> , 1999, 37, 1779-1783.	10.3	65
3	Drying colloidal systems: Laboratory models for a wide range of applications. <i>European Physical Journal E</i> , 2018, 41, 94.	1.6	43
4	Viscosity and Rheological Properties of Graphene Nanopowders Nanofluids. <i>Entropy</i> , 2021, 23, 979.	2.2	19
5	Metal-semiconductor transitions under uniaxial stress for single- and double-walled carbon nanotubes. <i>Journal of Physics and Chemistry of Solids</i> , 2001, 62, 439-444.	4.0	18
6	Development of absolute hot-wire anemometry by the 3 σ method. <i>Review of Scientific Instruments</i> , 2010, 81, 044901.	1.3	17
7	Band theory and electronic structures of carbon nanotubes. <i>Synthetic Metals</i> , 1997, 89, 81-86.	3.9	12
8	Thermal Conductivity of Suspension of Aggregating Nanometric Rods. <i>Entropy</i> , 2017, 19, 19.	2.2	10
9	Isothermal dehydration of thin films of water and sugar solutions. <i>Journal of Chemical Physics</i> , 2014, 140, 124701.	3.0	8
10	1D analog behavioral SPICE model for hot wire sensors in the continuum regime. <i>Sensors and Actuators A: Physical</i> , 2012, 174, 9-15.	4.1	7
11	On the temperature dependence of electrical conductivity of buckytube-containing carbonaceous samples. <i>Solid State Communications</i> , 1994, 89, 989-994.	1.9	6
12	Role of Glucose in Enhancing Stability of Aqueous Silica Gels Against Dehydration. <i>Journal of Physical Chemistry C</i> , 2012, 116, 9481-9486.	3.1	6
13	Study of heat conduction through a self-heated composite cylinder by Laplace transfer functions. <i>Applied Mathematical Modelling</i> , 2016, 40, 10360-10376.	4.2	6
14	Patterned surfaces in the drying of films composed of water, polymer, and alcohol. <i>Physical Review E</i> , 2012, 86, 061601.	2.1	5
15	Real-time heat conduction in a self-heated composite slab by Pad $\tilde{\circ}$ filters. <i>International Journal of Heat and Mass Transfer</i> , 2014, 71, 606-614.	4.8	5
16	Nanofluids for Heat Transfer. , 0, , .		4
17	Experimental Measurements on the Thermal Conductivity of Glycerol-Based Nanofluids with Different Thermal Contrasts. <i>Journal of Nanomaterials</i> , 2021, 2021, 1-9.	2.7	4
18	Alignment defects in zigzag and armchair carbon nanotubules. <i>Physical Review B</i> , 1997, 56, 9958-9963.	3.2	3

#	ARTICLE	IF	CITATIONS
19	Optical properties of potential-inserted quantum wells in the near infrared and Terahertz ranges. Solid State Communications, 2016, 236, 7-11.	1.9	3
20	Solution of Basset integro-differential equations by IIR digital filters. AEJ - Alexandria Engineering Journal, 2022, 61, 11899-11911.	6.4	2
21	Resistive Electrothermal Sensors, Mechanism of Operation and Modelling. , 2015, , .		0
22	One-Dimensional Systemic Modeling of Thermal Sensors Based on Miniature Bead-Type Thermistors. Sensors, 2021, 21, 7866.	3.8	0