

Kamil Walczak

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

262
citations

1040056

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940533

16
g-index

23
all docs

23
docs citations

23
times ranked

246
citing authors

#	ARTICLE	IF	CITATIONS
1	Current fluctuations of polymeric chains. <i>Physica Status Solidi (B): Basic Research</i> , 2004, 241, 2555-2561.	1.5	47
2	Resistanceâ€™temperature dependence in carbon nanotube fibres. <i>Carbon</i> , 2015, 84, 118-123.	10.3	43
3	The role of quantum interference in determining transport properties of molecular bridges. <i>Open Chemistry</i> , 2004, 2, 524-533.	1.9	41
4	Thermoelectric properties of vibrating molecule asymmetrically connected to the electrodes. <i>Physica B: Condensed Matter</i> , 2007, 392, 173-179.	2.7	26
5	The influence of vibronic coupling on the shape of transport characteristics in inelastic tunneling through molecules. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2006, 33, 110-115.	2.7	14
6	Modeling Electrostatic and Quantum Detection of Molecules. <i>IEEE Sensors Journal</i> , 2008, 8, 857-862.	4.7	12
7	Charging effects in biased molecular devices. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2005, 25, 530-534.	2.7	11
8	Spin-dependent shot noise of inelastic transport through molecular quantum dots. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 305, 475-482.	2.3	11
9	Vibrational features in inelastic electron tunneling spectra. <i>Chemical Physics</i> , 2007, 333, 63-68.	1.9	11
10	Low temperature electrical transport in modified carbon nanotube fibres. <i>Scripta Materialia</i> , 2015, 106, 34-37.	5.2	9
11	Nonlinear transport through a finite Hubbard chain connected to the electrodes. <i>Physica B: Condensed Matter</i> , 2005, 365, 193-200.	2.7	7
12	Nanoscale transport of phonons: Dimensionality, subdiffusion, molecular damping, and interference effects. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	6
13	Spin-dependent transport through magnetic nanojunctions. <i>Open Physics</i> , 2006, 4, 30-41.	1.7	5
14	Coulomb blockade in molecular quantum dots. <i>Open Physics</i> , 2006, 4, 8-19.	1.7	4
15	Scaling Rules for Telegraph Noise. <i>IEEE Nanotechnology Magazine</i> , 2011, 10, 1224-1230.	2.0	4
16	Modeling transport through single-molecule junctions. <i>Open Physics</i> , 2005, 3, .	1.7	3
17	Coupling optical and electrical gating for electronic readout of quantum dot dynamics. <i>Physical Review B</i> , 2010, 82, .	3.2	3
18	Decoherence in elastic and polaronic transport via discrete quantum states. <i>Open Physics</i> , 2006, 4, .	1.7	1

#	ARTICLE	IF	CITATIONS
19	Rate-equation calculations of the current flow through two-site molecular device and DNA-based junction. Open Physics, 2006, 4, .	1.7	1
20	Transfer-matrix approach to the problem of electrical conduction through a series of absorbers. Physica Status Solidi (B): Basic Research, 2007, 244, 1088-1094.	1.5	1
21	Tunneling of heat: Beyond linear response regime. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 96, 57-61.	2.7	1
22	Nanoscale Heat Conduction: Modeling Prospects. , 0, , 1-9.		1
23	Influence of Coulomb interactions on electrical conduction through short molecular wires. Physica Status Solidi (B): Basic Research, 2007, 244, 709-716.	1.5	0