

# Kamil Walczak

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

262  
citations

1040056

9  
h-index

940533

16  
g-index

23  
all docs

23  
docs citations

23  
times ranked

246  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Tunneling of heat: Beyond linear response regime. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2018, 96, 57-61.  | 2.7  | 1         |
| 2  | Low temperature electrical transport in modified carbon nanotube fibres. <i>Scripta Materialia</i> , 2015, 106, 34-37.   | 5.2  | 9         |
| 3  | Resistanceâ€™temperature dependence in carbon nanotube fibres. <i>Carbon</i> , 2015, 84, 118-123.  | 10.3 | 43        |
| 4  | Nanoscale transport of phonons: Dimensionality, subdiffusion, molecular damping, and interference effects. <i>Journal of Applied Physics</i> , 2014, 115, .  | 2.5  | 6         |
| 5  | Scaling Rules for Telegraph Noise. <i>IEEE Nanotechnology Magazine</i> , 2011, 10, 1224-1230.  | 2.0  | 4         |
| 6  | Coupling optical and electrical gating for electronic readout of quantum dot dynamics. <i>Physical Review B</i> , 2010, 82, .  | 3.2  | 3         |
| 7  | Modeling Electrostatic and Quantum Detection of Molecules. <i>IEEE Sensors Journal</i> , 2008, 8, 857-862.   | 4.7  | 12        |
| 8  | Influence of Coulomb interactions on electrical conduction through short molecular wires. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 709-716.   | 1.5  | 0         |
| 9  | Transfer-matrix approach to the problem of electrical conduction through a series of absorbers. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 1088-1094.                                 | 1.5  | 1         |
| 10 | Vibrational features in inelastic electron tunneling spectra. <i>Chemical Physics</i> , 2007, 333, 63-68.  | 1.9  | 11        |
| 11 | Thermoelectric properties of vibrating molecule asymmetrically connected to the electrodes. <i>Physica B: Condensed Matter</i> , 2007, 392, 173-179.   | 2.7  | 26        |
| 12 | 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        |
| 13 | 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        |
| 14 | Decoherence in elastic and polaronic transport via discrete quantum states. <i>Open Physics</i> , 2006, 4, .   | 1.7  | 1         |
| 15 | Rate-equation calculations of the current flow through two-site molecular device and DNA-based junction. <i>Open Physics</i> , 2006, 4, .  | 1.7  | 1         |
| 16 | Coulomb blockade in molecular quantum dots. <i>Open Physics</i> , 2006, 4, 8-19.   | 1.7  | 4         |
| 17 | Spin-dependent transport through magnetic nanojunctions. <i>Open Physics</i> , 2006, 4, 30-41.   | 1.7  | 5         |
| 18 | Charging effects in biased molecular devices. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2005, 25, 530-534.  | 2.7  | 11        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Modeling transport through single-molecule junctions. Open Physics, 2005, 3, .   | 1.7 | 3         |
| 20 | Nonlinear transport through a finite Hubbard chain connected to the electrodes. Physica B: Condensed Matter, 2005, 365, 193-200. | 2.7 | 7         |
| 21 | The role of quantum interference in determining transport properties of molecular bridges. Open Chemistry, 2004, 2, 524-533.     | 1.9 | 41        |
| 22 | Current fluctuations of polymeric chains. Physica Status Solidi (B): Basic Research, 2004, 241, 2555-2561.                       | 1.5 | 47        |
| 23 | Nanoscale Heat Conduction: Modeling Prospects. , 0, , 1-9.   |     | 1         |