Piotr Trocha

List of Publications by Year in descending order

23 papers	649 citations	623734 14 h-index	752698 20 g-index
23 all docs	23 docs citations	23 times ranked	352 citing authors

#	Article	IF	Citations
1	Large enhancement of thermoelectric effects in a double quantum dot system due to interference and Coulomb correlation phenomena. Physical Review B, 2012, 85, .	3.2	177
2	Quantum interference and Coulomb correlation effects in spin-polarized transport through two coupled quantum dots. Physical Review B, 2007, 76, .	3.2	91
3	Kondo-Dicke resonances in electronic transport through triple quantum dots. Physical Review B, 2008, 78, .	3.2	48
4	Spin-resolved Andreev transport through double-quantum-dot Cooper pair splitters. Physical Review B, 2015, 91, .	3.2	41
5	Spin-polarized Andreev transport influenced by Coulomb repulsion through a two-quantum-dot system. Physical Review B, 2014, 89, .	3.2	40
6	Negative tunnel magnetoresistance and differential conductance in transport through double quantum dots. Physical Review B, 2009, 80, .	3.2	37
7	Superconducting proximity effect and zero-bias anomaly in transport through quantum dots weakly attached to ferromagnetic leads. Physical Review B, 2014, 89, .	3.2	29
8	Spin-dependent thermoelectric effects in a strongly correlated double quantum dot. Physical Review B, 2016, 94, .	3.2	29
9	Orbital Kondo effect in double quantum dots. Physical Review B, 2010, 82, .	3.2	23
10	Spin-dependent thermoelectric phenomena in a quantum dot attached to ferromagnetic and superconducting electrodes. Physical Review B, 2017, 95, .	3.2	23
11	SU(4) Kondo effect in double quantum dots with ferromagnetic leads. Physical Review B, 2018, 97, .	3.2	22
12	Beating in electronic transport through quantum dot based devices. Physical Review B, 2010, 82, .	3.2	18
13	The role of the indirect tunneling processes and asymmetry in couplings in orbital Kondo transport through double quantum dots. Journal of Physics Condensed Matter, 2012, 24, 055303.	1.8	18
14	Current cross-correlations in double quantum dot based Cooper pair splitters with ferromagnetic leads. Journal of Physics Condensed Matter, 2017, 29, 195302.	1.8	17
15	Kondo-Dicke Resonances in Electronic Transport Through Double Quantum Dots. Journal of Nanoscience and Nanotechnology, 2010, 10, 2489-2494.	0.9	10
16	Magnon transport through a quantum dot: Conversion to electronic spin and charge currents. Physical Review B, 2015, 92, .	3.2	8
17	Cross-correlations in a quantum dot Cooper pair splitter with ferromagnetic leads. Journal of Physics Condensed Matter, 2018, 30, 305303.	1.8	6
18	Resonances in electronic transport through systems of coupled quantum dots. Journal of Non-Crystalline Solids, 2010, 356, 1875-1880.	3.1	5

#	Article	IF	Citations
19	Spin-thermoelectric effects in a quantum dot hybrid system with magnetic insulator. Scientific Reports, 2022, 12, 5348.	3.3	5
20	The influence of spin-flip scattering on the preparation and detection of a single spin state in a quantum dot attached to a spin battery. Solid State Communications, 2011, 151, 725-729.	1.9	2
21	Andreev Transport in Double Quantum Dot Cooper Pair Splitters in the Presence of External Magnetic Field. Acta Physica Polonica A, 2015, 127, 502-504.	0.5	0
22	The SU(4) Kondo effect in double quantum dots coupled to ferromagnetic leads: A scaling analysis. , 2019, , .		0
23	Spin-polarized transport in quadruple quantum dots attached to ferromagnetic leads. Journal of Magnetism and Magnetic Materials, 2022, 546, 168835.	2.3	0