

Piotr Trocha

List of Publications by Year in descending order

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23
papers

649
citations

623574

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docs citations

23
times ranked

352
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin-polarized transport in quadruple quantum dots attached to ferromagnetic leads. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 546, 168835.	1.0	0
2	Spin-thermoelectric effects in a quantum dot hybrid system with magnetic insulator. <i>Scientific Reports</i> , 2022, 12, 5348.	1.6	5
3	The SU(4) Kondo effect in double quantum dots coupled to ferromagnetic leads: A scaling analysis. , 2019, , .		0
4	SU(4) Kondo effect in double quantum dots with ferromagnetic leads. <i>Physical Review B</i> , 2018, 97, .	1.1	22
5	Cross-correlations in a quantum dot Cooper pair splitter with ferromagnetic leads. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 305303.	0.7	6
6	Current cross-correlations in double quantum dot based Cooper pair splitters with ferromagnetic leads. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 195302.	0.7	17
7	Spin-dependent thermoelectric phenomena in a quantum dot attached to ferromagnetic and superconducting electrodes. <i>Physical Review B</i> , 2017, 95, .	1.1	23
8	Spin-dependent thermoelectric effects in a strongly correlated double quantum dot. <i>Physical Review B</i> , 2016, 94, .	1.1	29
9	Spin-resolved Andreev transport through double-quantum-dot Cooper pair splitters. <i>Physical Review B</i> , 2015, 91, .	1.1	41
10	Magnon transport through a quantum dot: Conversion to electronic spin and charge currents. <i>Physical Review B</i> , 2015, 92, .	1.1	8
11	Andreev Transport in Double Quantum Dot Cooper Pair Splitters in the Presence of External Magnetic Field. <i>Acta Physica Polonica A</i> , 2015, 127, 502-504.	0.2	0
12	Superconducting proximity effect and zero-bias anomaly in transport through quantum dots weakly attached to ferromagnetic leads. <i>Physical Review B</i> , 2014, 89, .	1.1	29
13	Spin-polarized Andreev transport influenced by Coulomb repulsion through a two-quantum-dot system. <i>Physical Review B</i> , 2014, 89, .	1.1	40
14	Large enhancement of thermoelectric effects in a double quantum dot system due to interference and Coulomb correlation phenomena. <i>Physical Review B</i> , 2012, 85, .	1.1	177
15	The role of the indirect tunneling processes and asymmetry in couplings in orbital Kondo transport through double quantum dots. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 055303.	0.7	18
16	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. <i>Solid State Communications</i> , 2011, 151, 725-729.	0.9	2
17	Kondo-Dicke Resonances in Electronic Transport Through Double Quantum Dots. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 2489-2494.	0.9	10
18	Beating in electronic transport through quantum dot based devices. <i>Physical Review B</i> , 2010, 82, .	1.1	18

#	ARTICLE	IF	CITATIONS
19	Orbital Kondo effect in double quantum dots. <i>Physical Review B</i> , 2010, 82, .	1.1	23
20	Resonances in electronic transport through systems of coupled quantum dots. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 1875-1880.	1.5	5
21	Negative tunnel magnetoresistance and differential conductance in transport through double quantum dots. <i>Physical Review B</i> , 2009, 80, .	1.1	37
22	Kondo-Dicke resonances in electronic transport through triple quantum dots. <i>Physical Review B</i> , 2008, 78, .	1.1	48
23	Quantum interference and Coulomb correlation effects in spin-polarized transport through two coupled quantum dots. <i>Physical Review B</i> , 2007, 76, .	1.1	91