

Jan Martinek

List of Publications by Year in descending order

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35
papers

2,087
citations

393982

19
h-index

454577

30
g-index

35
all docs

35
docs citations

35
times ranked

1071
citing authors

#	ARTICLE	IF	CITATIONS
1	Exchange field determination in a quantum dot spin valve by the spin dynamics. Journal of Magnetism and Magnetic Materials, 2022, 546, 168831.	1.0	1
2	Interplay between superconductivity and the Kondo effect on magnetic nanodots. Applied Physics Letters, 2021, 118, 152407.	1.5	3
3	Kondo effect in the presence of the spin accumulation and non-equilibrium spin currents. Journal of Magnetism and Magnetic Materials, 2021, 542, 168592.	1.0	0
4	Spin-current Kondo effect: Kondo effect in the presence of spin accumulation. Physical Review B, 2021, 104, .	1.1	2
5	Aharonov-Bohm and Aharonov-Casher effects in a double quantum dot Josephson junction. Physical Review B, 2018, 98, .	1.1	0
6	Aharonov-Bohm and Aharonov-Casher effects for local and nonlocal Cooper pairs. Physical Review B, 2018, 97, .	1.1	2
7	Spin correlation and entanglement detection in Cooper pair splitters by current measurements using magnetic detectors. Physical Review B, 2017, 96, .	1.1	20
8	Influence of Schottky barrier on conductance of a metal-semiconductor atomic quantum point contact. Applied Physics Letters, 2016, 108, 043104.	1.5	3
9	Entanglement witnessing and quantum cryptography with nonideal ferromagnetic detectors. Physical Review B, 2014, 89, .	1.1	38
10	SU(3) Kondo effect in spinless triple quantum dots. Physical Review B, 2013, 87, .	1.1	23
11	Tunable Kondo Effect in a Double Quantum Dot Coupled to Ferromagnetic Contacts. Physical Review Letters, 2012, 108, 166605.	2.9	39
12	Correlation Analysis of Atomic and Single-Molecule Junction Conductance. ACS Nano, 2012, 6, 3411-3423.	7.3	80
13	Ferromagnetic resonance and voltage-induced transport in normal metal-ferromagnet-superconductor trilayers. Physical Review B, 2011, 84, .	1.1	13
14	Coexistence of the Kondo effect and a ferromagnetic phase in magnetic tunnel junctions. Physical Review B, 2011, 83, .	1.1	19
15	Two-impurity Anderson model revisited: Competition between Kondo effect and reservoir-mediated superexchange in double quantum dots. Physical Review B, 2010, 81, .	1.1	16
16	Manipulating Single Spins in Quantum Dots Coupled to Ferromagnetic Leads. Lecture Notes in Physics, 2010, , 103-124.	0.3	1
17	Kondo effect in single-molecule spintronic devices. Journal of Magnetism and Magnetic Materials, 2007, 310, e343-e345.	1.0	5
18	Frequency-dependent current noise through quantum-dot spin valves. Physical Review B, 2006, 74, .	1.1	64

#	ARTICLE	IF	CITATIONS
19	Spin-dependent transport in single-electron devices. , 2006, , 145-194.		1
20	Spin current through a tunnel junction. Superlattices and Microstructures, 2005, 37, 333-336.	1.4	21
21	Nonequilibrium Kondo effect in a quantum dot coupled to ferromagnetic leads. Physical Review B, 2005, 71, .	1.1	69
22	Tunnel magnetoresistance of quantum dots coupled to ferromagnetic leads in the sequential and cotunneling regimes. Physical Review B, 2005, 72, .	1.1	128
23	Zero-bias anomaly in cotunneling transport through quantum-dot spin valves. Physical Review B, 2005, 72, .	1.1	57
24	Quantum Dots Attached to Ferromagnetic Leads: Exchange Field, Spin Precession, and Kondo Effect. Lecture Notes in Physics, 2005, , 145-164.	0.3	7
25	Indirect exchange interaction between two quantum dots in an Aharonov-Bohm ring. Physical Review B, 2004, 69, .	1.1	21
26	The Kondo Effect in the Presence of Ferromagnetism. Science, 2004, 306, 86-89.	6.0	516
27	Theory of transport through quantum-dot spin valves in the weak-coupling regime. Physical Review B, 2004, 70, .	1.1	216
28	Spin accumulation in ferromagnetic single-electron transistors. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 18, 54-55.	1.3	0
29	Kondo effect in quantum dots coupled to ferromagnetic electrodes. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 18, 75-76.	1.3	0
30	Interaction-Driven Spin Precession in Quantum-Dot Spin Valves. Physical Review Letters, 2003, 90, 166602.	2.9	169
31	Kondo Effect in Quantum Dots Coupled to Ferromagnetic Leads. Physical Review Letters, 2003, 91, 127203.	2.9	300
32	Kondo Effect in the Presence of Itinerant-Electron Ferromagnetism Studied with the Numerical Renormalization Group Method. Physical Review Letters, 2003, 91, 247202.	2.9	186
33	Transport in magnetic nanostructures in the presence of Coulomb interaction (invited). Journal of Applied Physics, 2003, 93, 8265-8270.	1.1	23
34	Spin accumulation in ferromagnetic single-electron transistors in the cotunneling regime. Physical Review B, 2002, 66, .	1.1	41
35	Spin accumulation and cotunneling effects in ferromagnetic single-electron transistors. Journal of Magnetism and Magnetic Materials, 2002, 240, 143-145.	1.0	3