

# 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	The Kondo Effect in the Presence of Ferromagnetism. <i>Science</i> , 2004, 306, 86-89.	6.0	516
2	Kondo Effect in Quantum Dots Coupled to Ferromagnetic Leads. <i>Physical Review Letters</i> , 2003, 91, 127203.	2.9	300
3	Theory of transport through quantum-dot spin valves in the weak-coupling regime. <i>Physical Review B</i> , 2004, 70, .	1.1	216
4	Kondo Effect in the Presence of Itinerant-Electron Ferromagnetism Studied with the Numerical Renormalization Group Method. <i>Physical Review Letters</i> , 2003, 91, 247202.	2.9	186
5	Interaction-Driven Spin Precession in Quantum-Dot Spin Valves. <i>Physical Review Letters</i> , 2003, 90, 166602.	2.9	169
6	Tunnel magnetoresistance of quantum dots coupled to ferromagnetic leads in the sequential and cotunneling regimes. <i>Physical Review B</i> , 2005, 72, .	1.1	128
7	Correlation Analysis of Atomic and Single-Molecule Junction Conductance. <i>ACS Nano</i> , 2012, 6, 3411-3423.	7.3	80
8	Nonequilibrium Kondo effect in a quantum dot coupled to ferromagnetic leads. <i>Physical Review B</i> , 2005, 71, .	1.1	69
9	Frequency-dependent current noise through quantum-dot spin valves. <i>Physical Review B</i> , 2006, 74, .	1.1	64
10	Zero-bias anomaly in cotunneling transport through quantum-dot spin valves. <i>Physical Review B</i> , 2005, 72, .	1.1	57
11	Spin accumulation in ferromagnetic single-electron transistors in the cotunneling regime. <i>Physical Review B</i> , 2002, 66, .	1.1	41
12	Tunable Kondo Effect in a Double Quantum Dot Coupled to Ferromagnetic Contacts. <i>Physical Review Letters</i> , 2012, 108, 166605.	2.9	39
13	Entanglement witnessing and quantum cryptography with nonideal ferromagnetic detectors. <i>Physical Review B</i> , 2014, 89, .	1.1	38
14	Transport in magnetic nanostructures in the presence of Coulomb interaction (invited). <i>Journal of Applied Physics</i> , 2003, 93, 8265-8270.	1.1	23
15	SU(3) Kondo effect in spinless triple quantum dots. <i>Physical Review B</i> , 2013, 87, .	1.1	23
16	Indirect exchange interaction between two quantum dots in an Aharonov-Bohm ring. <i>Physical Review B</i> , 2004, 69, .	1.1	21
17	Spin current through a tunnel junction. <i>Superlattices and Microstructures</i> , 2005, 37, 333-336.	1.4	21
18	Spin correlation and entanglement detection in Cooper pair splitters by current measurements using magnetic detectors. <i>Physical Review B</i> , 2017, 96, .	1.1	20

#	ARTICLE	IF	CITATIONS
19	Coexistence of the Kondo effect and a ferromagnetic phase in magnetic tunnel junctions. <i>Physical Review B</i> , 2011, 83, .	1.1	19
20	Two-impurity Anderson model revisited: Competition between Kondo effect and reservoir-mediated superexchange in double quantum dots. <i>Physical Review B</i> , 2010, 81, .	1.1	16
21	Ferromagnetic resonance and voltage-induced transport in normal metal-ferromagnet-superconductor trilayers. <i>Physical Review B</i> , 2011, 84, .	1.1	13
22	Quantum Dots Attached to Ferromagnetic Leads: Exchange Field, Spin Precession, and Kondo Effect. <i>Lecture Notes in Physics</i> , 2005, , 145-164.	0.3	7
23	Kondo effect in single-molecule spintronic devices. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 310, e343-e345.	1.0	5
24	Spin accumulation and cotunneling effects in ferromagnetic single-electron transistors. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 240, 143-145.	1.0	3
25	Influence of Schottky barrier on conductance of a metal-semiconductor atomic quantum point contact. <i>Applied Physics Letters</i> , 2016, 108, 043104.	1.5	3
26	Interplay between superconductivity and the Kondo effect on magnetic nanodots. <i>Applied Physics Letters</i> , 2021, 118, 152407.	1.5	3
27	Aharonov-Bohm and Aharonov-Casher effects for local and nonlocal Cooper pairs. <i>Physical Review B</i> , 2018, 97, .	1.1	2
28	Spin-current Kondo effect: Kondo effect in the presence of spin accumulation. <i>Physical Review B</i> , 2021, 104, .	1.1	2
29	Manipulating Single Spins in Quantum Dots Coupled to Ferromagnetic Leads. <i>Lecture Notes in Physics</i> , 2010, , 103-124.	0.3	1
30	Spin-dependent transport in single-electron devices. , 2006, , 145-194.		1
31	Exchange field determination in a quantum dot spin valve by the spin dynamics. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 546, 168831.	1.0	1
32	Spin accumulation in ferromagnetic single-electron transistors. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003, 18, 54-55.	1.3	0
33	Kondo effect in quantum dots coupled to ferromagnetic electrodes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003, 18, 75-76.	1.3	0
34	Aharonov-Bohm and Aharonov-Casher effects in a double quantum dot Josephson junction. <i>Physical Review B</i> , 2018, 98, .	1.1	0
35	Kondo effect in the presence of the spin accumulation and non-equilibrium spin currents. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 542, 168592.	1.0	0