

Jozef Barnas

List of Publications by Year in descending order

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321
papers

8,118
citations

61857

43
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60497

81
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324
all docs

324
docs citations

324
times ranked

3719
citing authors

#	ARTICLE	IF	CITATIONS
1	Theory of giant magnetoresistance effects in magnetic layered structures with antiferromagnetic coupling. <i>Physical Review Letters</i> , 1989, 63, 664-667.	2.9	808
2	Novel magnetoresistance effect in layered magnetic structures: Theory and experiment. <i>Physical Review B</i> , 1990, 42, 8110-8120.	1.1	410
3	Kondo Effect in Quantum Dots Coupled to Ferromagnetic Leads. <i>Physical Review Letters</i> , 2003, 91, 127203.	2.9	300
4	Magnetoresistance Oscillations due to Charging Effects in Double Ferromagnetic Tunnel Junctions. <i>Physical Review Letters</i> , 1998, 80, 1058-1061.	2.9	277
5	Thermoelectric effects in transport through quantum dots attached to ferromagnetic leads with noncollinear magnetic moments. <i>Physical Review B</i> , 2009, 80, .	1.1	235
6	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
7	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
8	Tunnel magnetoresistance in ferromagnetic junctions: Tunneling through a single discrete level. <i>Physical Review B</i> , 2001, 64, .	1.1	167
9	From giant magnetoresistance to current-induced switching by spin transfer. <i>Physical Review B</i> , 2005, 72, .	1.1	156
10	Shaped angular dependence of the spin-transfer torque and microwave generation without magnetic field. <i>Nature Physics</i> , 2007, 3, 492-497.	6.5	147
11	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
12	Effect of interlayer exchange coupling on spin-wave spectra in magnetic double layers: Theory and experiment. <i>Physical Review B</i> , 1989, 39, 12003-12012.	1.1	127
13	Exchange interaction of magnetic impurities in graphene. <i>Physical Review B</i> , 2006, 74, .	1.1	126
14	Thermoelectric effects in silicene nanoribbons. <i>Physical Review B</i> , 2013, 88, .	1.1	120
15	Coupling between two ferromagnetic films through a non-magnetic metallic layer. <i>Journal of Magnetism and Magnetic Materials</i> , 1992, 111, L215-L219.	1.0	106
16	Gate-controlled spin splitting in quantum dots with ferromagnetic leads in the Kondo regime. <i>Physical Review B</i> , 2005, 72, .	1.1	93
17	Magnetic switching of a single molecular magnet due to spin-polarized current. <i>Physical Review B</i> , 2007, 75, .	1.1	92
18	Effects of spin accumulation on single-electron tunneling in a double ferromagnetic microjunction. <i>Europhysics Letters</i> , 1998, 44, 85-90.	0.7	91

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19	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
20	Spin polarized transport through a single-molecule magnet: Current-induced magnetic switching. <i>Physical Review B</i> , 2007, 76, .	1.1	89
21	Spin effects in electron tunneling through a quantum dot coupled to noncollinearly polarized ferromagnetic leads. <i>Physical Review B</i> , 2005, 71, .	1.1	81
22	Spin effects in single-electron tunnelling. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 423202.	0.7	77
23	Weak localization in ferromagnets with spin-orbit interaction. <i>Physical Review B</i> , 2001, 64, .	1.1	76
24	Spin effects in transport through single-molecule magnets in the sequential and cotunneling regimes. <i>Physical Review B</i> , 2009, 79, .	1.1	70
25	Nonequilibrium Kondo effect in quantum dots. <i>Physical Review B</i> , 2003, 68, .	1.1	69
26	Shot noise in ferromagnetic single-electron tunneling devices. <i>Physical Review B</i> , 1999, 60, 12246-12255.	1.1	67
27	Spin waves in exchange-coupled epitaxial double-layers. <i>Journal of Magnetism and Magnetic Materials</i> , 1989, 82, 186-198.	1.0	65
28	Kondo effect in quantum dots coupled to ferromagnetic leads with noncollinear magnetizations. <i>Physical Review B</i> , 2006, 73, .	1.1	65
29	Spin effects in ferromagnetic single-electron transistors. <i>Physical Review B</i> , 2000, 62, 12363-12373.	1.1	63
30	Spin dephasing and pumping in graphene due to random spin-orbit interaction. <i>Physical Review B</i> , 2011, 83, .	1.1	61
31	Electronic transport in ultrathin magnetic multilayers. <i>Physical Review B</i> , 1996, 53, 5449-5460.	1.1	60
32	Influence of intermixing at the Ta/CoFeB interface on spin Hall angle in Ta/CoFeB/MgO heterostructures. <i>Scientific Reports</i> , 2017, 7, 968.	1.6	58
33	Zero-bias anomaly in cotunneling transport through quantum-dot spin valves. <i>Physical Review B</i> , 2005, 72, .	1.1	57
34	Spin effects in thermoelectric properties of Al- and P-doped zigzag silicene nanoribbons. <i>Physical Review B</i> , 2014, 89, .	1.1	56
35	Current-Driven Destabilization of Both Collinear Configurations in Asymmetric Spin Valves. <i>Physical Review Letters</i> , 2006, 96, 207205.	2.9	55
36	Free-electron model of current-induced spin-transfer torque in magnetic tunnel junctions. <i>Physical Review B</i> , 2008, 77, .	1.1	53

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37	Giant spin thermoelectric efficiency in ferromagnetic graphene nanoribbons with antidots. <i>Physical Review B</i> , 2013, 88, .	1.1	52
38	Interplay of the Kondo Effect and Spin-Polarized Transport in Magnetic Molecules, Adatoms, and Quantum Dots. <i>Physical Review Letters</i> , 2011, 106, 126602.	2.9	51
39	Intrinsic spin Hall effect in silicene: transition from spin Hall to normal insulator. <i>Physica Status Solidi - Rapid Research Letters</i> , 2012, 6, 340-342.	1.2	51
40	Kondo-Dicke resonances in electronic transport through triple quantum dots. <i>Physical Review B</i> , 2008, 78, .	1.1	48
41	Spin thermoelectric effects in Kondo quantum dots coupled to ferromagnetic leads. <i>Physical Review B</i> , 2013, 88, .	1.1	48
42	Reflection of electrons from a domain wall in magnetic nanojunctions. <i>Physical Review B</i> , 2003, 68, .	1.1	47
43	Electrons in a ferromagnetic metal with a domain wall. <i>Physical Review B</i> , 2002, 65, .	1.1	46
44	Interplay of spin accumulation and Coulomb blockade in double ferromagnetic junctions. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 192, L391-L395.	1.0	43
45	Spin accumulation in ferromagnetic single-electron transistors in the cotunneling regime. <i>Physical Review B</i> , 2002, 66, .	1.1	41
46	Spin diode behavior in transport through single-molecule magnets. <i>Europhysics Letters</i> , 2010, 89, 18003.	0.7	41
47	Spin-polarized Andreev transport influenced by Coulomb repulsion through a two-quantum-dot system. <i>Physical Review B</i> , 2014, 89, .	1.1	40
48	Perpendicular magnetoresistance in magnetic multilayers: Theoretical model and discussion (invited). <i>Journal of Applied Physics</i> , 1994, 75, 6693-6698.	1.1	39
49	Cotunneling through quantum dots coupled to magnetic leads: Zero-bias anomaly for noncollinear magnetic configurations. <i>Physical Review B</i> , 2007, 75, .	1.1	39
50	Interface resistance for perpendicular transport in layered magnetic structures. <i>Physical Review B</i> , 1994, 49, 12835-12838.	1.1	38
51	Angular dependence of giant magnetoresistance in magnetic multilayers. <i>Physical Review B</i> , 1997, 56, 6079-6085.	1.1	37
52	Negative tunnel magnetoresistance and differential conductance in transport through double quantum dots. <i>Physical Review B</i> , 2009, 80, .	1.1	37
53	Anomalous, spin, and valley Hall effects in graphene deposited on ferromagnetic substrates. <i>2D Materials</i> , 2017, 4, 034003.	2.0	36
54	Spin-Momentum-Locking Inhomogeneities as a Source of Bilinear Magnetoresistance in Topological Insulators. <i>Physical Review Letters</i> , 2020, 124, 046802.	2.9	36

#	ARTICLE	IF	CITATIONS
55	Dark states in transport through triple quantum dots: The role of cotunneling. Physical Review B, 2011, 83, .	1.1	35
56	Enhanced thermoelectric efficiency in ferromagnetic silicene nanoribbons terminated with hydrogen atoms. Physical Chemistry Chemical Physics, 2014, 16, 12900-12908.	1.3	35
57	Transport characteristics of ferromagnetic single-electron transistors. Physica Status Solidi (B): Basic Research, 2003, 236, 651-660.	0.7	34
58	Spin Hall effect in a system of Dirac fermions in the honeycomb lattice with intrinsic and Rashba spin-orbit interaction. Physical Review B, 2009, 80, .	1.1	34
59	Determining the Rashba parameter from the bilinear magnetoresistance response in a two-dimensional electron gas. Physical Review Materials, 2020, 4, .	0.9	34
60	Robust impurity-scattering spin Hall effect in a two-dimensional electron gas. Physical Review B, 2010, 82, .	1.1	33
61	Fokker-Planck approach to the theory of the magnon-driven spin Seebeck effect. Physical Review B, 2013, 88, .	1.1	32
62	Spin relaxation and combined resonance in two-dimensional electron systems with spin-orbit disorder. Physical Review B, 2009, 80, .	1.1	31
63	Determination of Spin Hall Angle in Heavy-Metal/ $\text{Co}/\text{Fe}/\text{B}$ -Based Heterostructures with Interfacial Spin-Orbit Fields. Physical Review Applied, 2019, 11, .	1.1	31
64	Influence of Quantum Size Effect and Interface Roughness on the Giant Magnetoresistance in Ultrathin Magnetic Layered Structures. Europhysics Letters, 1995, 32, 167-172.	0.7	30
65	Spin diode based on a single-walled carbon nanotube. Applied Physics Letters, 2008, 92, .	1.5	30
66	Periodic Enhancement of the Electron-Electron Interactions and the Magnetoresistance in Magnetic $\text{Co}/(\text{Cr}/\text{Ag})/\text{Co}$ Multilayers. Physical Review Letters, 1997, 78, 134-137.	2.9	29
67	Interference effects in electronic transport through metallic single-wall carbon nanotubes. Physical Review B, 2002, 66, .	1.1	29
68	Magnetoresistance of a semiconducting magnetic wire with a domain wall. Physical Review B, 2005, 71, .	1.1	29
69	Spin-polarized transport through a single-level quantum dot in the Kondo regime. Journal of Physics Condensed Matter, 2006, 18, 2291-2304.	0.7	29
70	Effects of intrinsic spin-relaxation in molecular magnets on current-induced magnetic switching. Physical Review B, 2008, 77, .	1.1	29
71	Influence of magnetic anisotropy on the Kondo effect and spin-polarized transport through magnetic molecules, adatoms, and quantum dots. Physical Review B, 2011, 84, .	1.1	29
72	Thermally induced spin polarization of a two-dimensional electron gas. Physical Review B, 2013, 87, .	1.1	29

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73	Cotunneling through a quantum dot coupled to ferromagnetic leads with noncollinear magnetizations. <i>European Physical Journal B</i> , 2005, 46, 289-299.	0.6	28
74	Current-induced spin polarization in graphene due to Rashba spin-orbit interaction. <i>Physical Review B</i> , 2014, 89, .	1.1	28
75	Current-induced spin polarization and spin-orbit torque in graphene. <i>Physical Review B</i> , 2015, 92, .	1.1	28
76	Effect of intrinsic spin relaxation on the spin-dependent cotunneling transport through quantum dots. <i>Physical Review B</i> , 2006, 73, .	1.1	27
77	Current-induced motion of a domain wall in a magnetic nanowire. <i>Physical Review B</i> , 2006, 74, .	1.1	27
78	Theory of shot noise in single-walled metallic carbon nanotubes weakly coupled to nonmagnetic and ferromagnetic leads. <i>Physical Review B</i> , 2007, 76, .	1.1	27
79	Dicke-like effect in spin-polarized transport through coupled quantum dots. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 125220.	0.7	27
80	Switching of molecular magnets. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 695-715.	0.7	27
81	Thermoelectric properties of silicene in the topological- and band-insulator states. <i>Physical Review B</i> , 2015, 91, .	1.1	26
82	Transport through single-wall metallic carbon nanotubes in the cotunneling regime. <i>Physical Review B</i> , 2008, 78, .	1.1	25
83	Manifestation of the shape and edge effects in spin-resolved transport through graphene quantum dots. <i>Physical Review B</i> , 2012, 85, .	1.1	24
84	Spin effects in single-electron tunneling in magnetic junctions. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 207, 1-6.	1.0	23
85	Spin-dependent thermoelectric phenomena in a quantum dot attached to ferromagnetic and superconducting electrodes. <i>Physical Review B</i> , 2017, 95, .	1.1	23
86	Transport through two-level quantum dots weakly coupled to ferromagnetic leads. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 096208.	0.7	22
87	Underscreened Kondo effect in $S=1$ magnetic quantum dots: Exchange, anisotropy, and temperature effects. <i>Physical Review B</i> , 2012, 86, .		
88	Optical spin injection in graphene with Rashba spin-orbit interaction. <i>Physical Review B</i> , 2014, 89, .	1.1	22
89	Enhanced photogalvanic effect in graphene due to Rashba spin-orbit coupling. <i>Physical Review B</i> , 2015, 91, .	1.1	22
90	On the Hoffmann boundary conditions at the interface between two ferromagnets. <i>Journal of Magnetism and Magnetic Materials</i> , 1991, 102, 319-322.	1.0	21

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91	The Kondo effect in quantum dots coupled to ferromagnetic leads with noncollinear magnetizations: effects due to electron-phonon coupling. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 255219.	0.7	21
92	Effects of Transverse Magnetic Anisotropy on Current-Induced Spin Switching. <i>Physical Review Letters</i> , 2013, 111, 046603.	2.9	21
93	Spin-torque diode radio-frequency detector with voltage tuned resonance. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	21
94	The optical tweezer of skyrmions. <i>Npj Computational Materials</i> , 2020, 6, .	3.5	21
95	Interfacial scattering and interface resistance for perpendicular transport in magnetic multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 1994, 136, 260-268.	1.0	20
96	Electron tunnelling in a double ferromagnetic junction with a magnetic dot as a spacer. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 2011-2023.	0.7	20
97	Controlling Shot Noise in Double-Barrier Magnetic Tunnel Junctions. <i>Physical Review Letters</i> , 2012, 109, 066601.	2.9	20
98	Spin-dependent thermoelectric effects in transport through a nanoscopic junction involving a spin impurity. <i>Physical Review B</i> , 2014, 89, .	1.1	20
99	Spin Hall and spin Nernst effects in a two-dimensional electron gas with Rashba spin-orbit interaction: Temperature dependence. <i>Physical Review B</i> , 2016, 94, .	1.1	20
100	Negative differential conductance and magnetoresistance oscillations due to spin accumulation in ferromagnetic double-island devices. <i>Physical Review B</i> , 2006, 73, .	1.1	19
101	Quantum tunneling of magnetization in single molecular magnets coupled to ferromagnetic reservoirs. <i>Europhysics Letters</i> , 2007, 78, 27003.	0.7	19
102	Current-induced dynamics in noncollinear dual spin valves. <i>Physical Review B</i> , 2009, 80, .	1.1	19
103	Tunneling in Double Barrier Junctions with "Hot Spots". <i>Physical Review Letters</i> , 2010, 105, 047207.	2.9	19
104	Graphene p-n junctions with nonuniform Rashba spin-orbit coupling. <i>Applied Physics Letters</i> , 2011, 99, 162107.	1.5	19
105	Parallel magnetoresistance in magnetic multilayers. <i>Physical Review B</i> , 1995, 51, 6348-6357.	1.1	18
106	Rectification of radio-frequency current in a giant-magnetoresistance spin valve. <i>Physical Review B</i> , 2015, 91, .	1.1	18
107	Microwave excitations associated with a wavy angular dependence of the spin transfer torque: Model and experiments. <i>Physical Review B</i> , 2008, 77, .	1.1	17
108	Influence of a periodic magnetic field and spin-polarized current on the magnetic dynamics of a monodomain ferromagnet. <i>Physical Review B</i> , 2008, 78, .	1.1	17

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109	Spin-dependent thermoelectric properties of a Kondo-correlated quantum dot with Rashba spin-orbit coupling. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 505305.	0.7	17
110	Shot noise and tunnel magnetoresistance in multilevel quantum dots: Effects of cotunneling. <i>Physical Review B</i> , 2008, 77, .	1.1	16
111	Thermoelectric and thermospin transport in a ballistic junction of graphene. <i>Physical Review B</i> , 2015, 92, .	1.1	16
112	Zigzag nanoribbons of two-dimensional silicene-like crystals: magnetic, topological and thermoelectric properties. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 485301.	0.7	16
113	Current-induced dynamics in asymmetric spin valves. <i>Applied Physics Letters</i> , 2006, 89, 223121.	1.5	15
114	Transmission of correlated electrons through sharp domain walls in magnetic nanowires: A renormalization group approach. <i>Physical Review B</i> , 2006, 74, .	1.1	15
115	Transport through a quantum dot subject to spin and charge bias. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 2414-2420.	1.0	15
116	Nonlinear Anomalous Hall Effect and Negative Magnetoresistance in a System with Random Rashba Field. <i>Physical Review Letters</i> , 2012, 109, 206601.	2.9	15
117	Intrinsic contribution to spin Hall and spin Nernst effects in a bilayer graphene. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 275302.	0.7	15
118	Plasmonic Skyrmion Lattice Based on the Magnetoelectric Effect. <i>Physical Review Letters</i> , 2020, 125, 227201.	2.9	15
119	Thermally Assisted Current-Driven Bistable Precessional Regimes in Asymmetric Spin Valves. <i>Physical Review Letters</i> , 2007, 99, 097205.	2.9	14
120	Layered magnetic structures: magnetoresistance due to antiparallel alignment. <i>Vacuum</i> , 1990, 41, 1241-1243.	1.6	13
121	On the Fe thickness dependence of the giant magnetoresistance in epitaxial Fe/Cr superlattices. <i>Journal of Magnetism and Magnetic Materials</i> , 1996, 156, 341-342.	1.0	13
122	Exchange interaction and ferromagnetism in III-V semiconductors. <i>Physical Review B</i> , 2003, 67, .	1.1	13
123	Macroscopic description of spin transfer torque. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2006, 126, 271-274.	1.7	13
124	Current-induced dynamics of a monodomain ferromagnet in an external magnetic field applied in easy magnetic plane: Macrospin model. <i>Physical Review B</i> , 2008, 77, .	1.1	13
125	Correlation of the angular dependence of spin-transfer torque and giant magnetoresistance in the limit of diffusive transport in spin valves. <i>Physical Review B</i> , 2009, 79, .	1.1	13
126	Current-induced instability of a composite free layer with antiferromagnetic interlayer coupling. <i>Physical Review B</i> , 2013, 88, .	1.1	13

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127	Transport through graphenelike flakes with intrinsic spin-orbit interactions. <i>Physical Review B</i> , 2015, 92, .	1.1	13
128	Thermally induced magnonic spin current, thermomagnonic torques, and domain-wall dynamics in the presence of Dzyaloshinskii-Moriya interaction. <i>Physical Review B</i> , 2016, 94, .	1.1	13
129	Current-induced spin polarization of a magnetized two-dimensional electron gas with Rashba spin-orbit interaction. <i>Physical Review B</i> , 2017, 95, .	1.1	13
130	Current-pulse-induced magnetic switching in standard and nonstandard spin-valves: Theory and numerical analysis. <i>Physical Review B</i> , 2009, 79, .	1.1	12
131	Bound and free excitons in ZnO. Optical selection rules in the absence and presence of time reversal symmetry. <i>Microelectronics Journal</i> , 2009, 40, 289-292.	1.1	12
132	Spin Hall effect in graphene due to random Rashba field. <i>Physical Review B</i> , 2012, 86, .	1.1	12
133	Effect of magnetic anisotropy on spin-dependent thermoelectric effects in nanoscopic systems. <i>Physical Review B</i> , 2015, 91, .	1.1	12
134	Thermoelectric effect enhanced by resonant states in graphene. <i>Physical Review B</i> , 2015, 91, .	1.1	12
135	Spin Waves in Layered Structures of Antiferromagnetic F.C.C. MnTe. <i>Physica Status Solidi (B): Basic Research</i> , 1998, 206, 787-795.	0.7	11
136	Interface Roughness Fractality Effects on the Electron Mobility in Semiconducting Quantum Wells. <i>Physica Status Solidi (B): Basic Research</i> , 1998, 209, 319-327.	0.7	11
137	Anomalous Hall effect in superconductors with spin-orbit interaction. <i>Physical Review B</i> , 2012, 85, .	1.1	11
138	Asymmetry-induced effects in Kondo quantum dots coupled to ferromagnetic leads. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 075301.	0.7	11
139	Spin Hall effect in AA-stacked bilayer graphene. <i>Solid State Communications</i> , 2014, 188, 27-31.	0.9	11
140	The influence of interlayer exchange coupling in giant-magnetoresistive devices on spin diode effect in wide frequency range. <i>Applied Physics Letters</i> , 2015, 107, 122410.	1.5	11
141	Boron nitride zigzag nanoribbons: optimal thermoelectric systems. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 22448-22454.	1.3	11
142	Spin effects in thermoelectric phenomena in SiC nanoribbons. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 1925-1933.	1.3	11
143	Electric-field tunable spin diode FMR in patterned PMN-PT/NiFe structures. <i>Applied Physics Letters</i> , 2016, 109, 072406.	1.5	11
144	Spin-resolved orbital magnetization in Rashba two-dimensional electron gas. <i>Physical Review B</i> , 2016, 94, .	1.1	11

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145	Thermally induced spin polarization in a magnetized two-dimensional electron gas with Rashba spin-orbit interaction. <i>Physical Review B</i> , 2018, 98, .	1.1	11
146	Influence of spin-orbit and spin-Hall effects on the spin-Seebeck current beyond linear response: A Fokker-Planck approach. <i>Physical Review B</i> , 2019, 99, .	1.1	11
147	Spin Waves in Superlattices with Exchange Coupling between Nearest and Next-Nearest Neighbours. <i>Physica Status Solidi (B): Basic Research</i> , 1993, 176, 465-475.	0.7	10
148	Modeling of magnetically controlled Si-based optoelectronic devices. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003, 16, 558-562.	1.3	10
149	Spin related effects in magnetic mesoscopic systems. <i>Physica Status Solidi (B): Basic Research</i> , 2003, 236, 246-252.	0.7	10
150	Quantum dots attached to ferromagnetic leads: possibility of new spintronic devices. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 290-291, 209-212.	1.0	10
151	Comment on "Weak Localization in Ferromagnetic (Ga,Mn)As Nanostructures". <i>Physical Review Letters</i> , 2008, 101, 129701; author reply 129702.	2.9	10
152	Kondo-Dicke Resonances in Electronic Transport Through Double Quantum Dots. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 2489-2494.	0.9	10
153	Kondo effect in a quantum dot coupled to ferromagnetic leads and side-coupled to a nonmagnetic reservoir. <i>Physical Review B</i> , 2010, 81, .	1.1	10
154	Superpoissonian shot noise in organic magnetic tunnel junctions. <i>Applied Physics Letters</i> , 2014, 105, . Magnon-driven longitudinal spin Seebeck effect in $\text{Fe}_3\text{O}_4/\text{Pt}$ heterostructures: Role of asymmetric in-plane magnetic anisotropy. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 328, 18246-18254.	1.5	10
155	Spectacular enhancement of thermoelectric phenomena in chemically synthesized graphene nanoribbons with substitution atoms. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 18246-18254.	1.0	10
156	Temperature dependence of electronic transport through molecular magnets in the Kondo regime. <i>Physical Review B</i> , 2012, 86, .	1.3	10
157	Spin-transfer torque in a thick Néel domain wall. <i>Physical Review B</i> , 2012, 85, .	1.1	9
158	Shot noise in magnetic double-barrier tunnel junctions. <i>Physical Review B</i> , 2013, 87, .	1.1	9
159	Two-dimensional electron gas at the $\text{LaAlO}_3/\text{SrTiO}_3$ interface with a potential barrier. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 2104-2111.	1.3	9
160	Hartman effect for spin waves in exchange regime. <i>Scientific Reports</i> , 2018, 8, 17944.	1.6	9
161	Sequential and coherent electron tunneling in ferromagnetic planar junctions. <i>Sensors and Actuators A: Physical</i> , 2001, 91, 188-191.	2.0	8
162			

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163	Spin-polarized transport through two coupled quantum dots. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 2553-2558.	0.7	8
164	Current-induced dynamics of composite free layer with antiferromagnetic interlayer exchange coupling. <i>Physical Review B</i> , 2011, 83, .	1.1	8
165	Backhopping effect in magnetic tunnel junctions: Comparison between theory and experiment. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	8
166	Magnon transport through a quantum dot: Conversion to electronic spin and charge currents. <i>Physical Review B</i> , 2015, 92, .	1.1	8
167	Klein tunnelling and Hartman effect in graphene junctions with proximity exchange field. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 225302.	0.7	8
168	Multiphonon processes in ZnO. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005, 2, 1131-1136.	0.8	7
169	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
170	Anomalous Hall effect in IV-VI magnetic semiconductors. <i>Physical Review B</i> , 2008, 78, .	1.1	7
171	Thermoelectric properties of a quantum dot coupled to magnetic leads by Rashba spin-orbit interaction. <i>Physical Review B</i> , 2018, 98, .	1.1	7
172	Charge and spin currents in graphene generated by tailored light with orbital angular momentum. <i>Applied Physics Letters</i> , 2018, 112, 231102.	1.5	7
173	Charge and spin conductivity of a two-dimensional electron gas with a random Rashba interaction. <i>Physical Review B</i> , 2018, 97, .	1.1	7
174	Spin Torque in Double Planar Tunnel Junctions. <i>Acta Physica Polonica A</i> , 2009, 115, 269-271.	0.2	7
175	Transfer Matrix Formalism for Retarded Waves in Layered Magnetic Structures. Bulk and Surface Modes. <i>Physica Status Solidi (B): Basic Research</i> , 1991, 165, 529-537.	0.7	6
176	Application of self-organization methods to current-induced magnetization dynamics of a single-domain ferromagnet. <i>Journal of Applied Physics</i> , 2007, 101, 034504.	1.1	6
177	Phonons in sapphire Al ₂ O ₃ substrate for ZnO and GaN. <i>Materials Science and Engineering C</i> , 2007, 27, 1222-1226.	3.8	6
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