

Gerrit Bauer

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

320
papers

21,336
citations

69
h-index

140
g-index

348
ext. papers

23,998
ext. citations

4.6
avg, IF

7.05
L-index

#	Paper	IF	Citations
320	Enhanced gilbert damping in thin ferromagnetic films. <i>Physical Review Letters</i> , 2002 , 88, 117601	7.4	1342
319	Spin caloritronics. <i>Nature Materials</i> , 2012 , 11, 391-9	27	1217
318	Nonlocal magnetization dynamics in ferromagnetic heterostructures. <i>Reviews of Modern Physics</i> , 2005 , 77, 1375-1421	40.5	953
317	Spin Seebeck insulator. <i>Nature Materials</i> , 2010 , 9, 894-7	27	930
316	Spin Hall magnetoresistance induced by a nonequilibrium proximity effect. <i>Physical Review Letters</i> , 2013 , 110, 206601	7.4	677
315	Spin pumping and magnetization dynamics in metallic multilayers. <i>Physical Review B</i> , 2002 , 66,	3.3	584
314	Quantifying spin Hall angles from spin pumping: experiments and theory. <i>Physical Review Letters</i> , 2010 , 104, 046601	7.4	520
313	Theory of magnon-driven spin Seebeck effect. <i>Physical Review B</i> , 2010 , 81,	3.3	484
312	Theory of spin Hall magnetoresistance. <i>Physical Review B</i> , 2013 , 87,	3.3	483
311	Finite-element theory of transport in ferromagnet-normal metal systems. <i>Physical Review Letters</i> , 2000 , 84, 2481-4	7.4	411
310	Detection and quantification of inverse spin Hall effect from spin pumping in permalloy/normal metal bilayers. <i>Physical Review B</i> , 2010 , 82,	3.3	384
309	Spin battery operated by ferromagnetic resonance. <i>Physical Review B</i> , 2002 , 66,	3.3	355
308	Suppression of the persistent spin Hall current by defect scattering. <i>Physical Review B</i> , 2004 , 70,	3.3	347
307	Quantitative study of the spin Hall magnetoresistance in ferromagnetic insulator/normal metal hybrids. <i>Physical Review B</i> , 2013 , 87,	3.3	346
306	Non-collinear magnetoelectronics. <i>Physics Reports</i> , 2006 , 427, 157-255	27.7	335
305	Dynamic exchange coupling in magnetic bilayers. <i>Physical Review Letters</i> , 2003 , 90, 187601	7.4	295
304	The 2014 Magnetism Roadmap. <i>Journal Physics D: Applied Physics</i> , 2014 , 47, 333001	3	291

303	Perpendicular giant magnetoresistance of magnetic multilayers. <i>Advances in Physics</i> , 1997 , 46, 285-445	18.4	279
302	Experimental test of the spin mixing interface conductivity concept. <i>Physical Review Letters</i> , 2013 , 111, 176601	7.4	233
301	Thermal spin-transfer torque in magnetoelectronic devices. <i>Physical Review Letters</i> , 2007 , 99, 066603	7.4	233
300	Exciton mixing in quantum wells. <i>Physical Review B</i> , 1988 , 38, 6015-6030	3.3	226
299	Spin-transport in multi-terminal normal metal-ferromagnet systems with non-collinear magnetizations. <i>European Physical Journal B</i> , 2001 , 22, 99-110	1.2	222
298	Spin torques in ferromagnetic/normal-metal structures. <i>Physical Review B</i> , 2002 , 65,	3.3	202
297	Diffuse transport and spin accumulation in a Rashba two-dimensional electron gas. <i>Physical Review B</i> , 2003 , 67,	3.3	193
296	Spin transfer torque on magnetic insulators. <i>Europhysics Letters</i> , 2011 , 96, 17005	1.6	171
295	First-principles study of magnetization relaxation enhancement and spin transfer in thin magnetic films. <i>Physical Review B</i> , 2005 , 71,	3.3	168
294	Magnon spin transport driven by the magnon chemical potential in a magnetic insulator. <i>Physical Review B</i> , 2016 , 94,	3.3	167
293	Observation of the spin Peltier effect for magnetic insulators. <i>Physical Review Letters</i> , 2014 , 113, 027601	7.4	161
292	Spin backflow and ac voltage generation by spin pumping and the inverse spin Hall effect. <i>Physical Review Letters</i> , 2013 , 110, 217602	7.4	160
291	Rashba Hamiltonian and electron transport. <i>Physical Review B</i> , 2001 , 64,	3.3	158
290	Magnon, phonon, and electron temperature profiles and the spin Seebeck effect in magnetic insulator/normal metal hybrid structures. <i>Physical Review B</i> , 2013 , 88,	3.3	157
289	Giant Magnetoresistance without Defect Scattering. <i>Physical Review Letters</i> , 1995 , 74, 586-589	7.4	154
288	Thermoelectric effects in magnetic nanostructures. <i>Physical Review B</i> , 2009 , 79,	3.3	151
287	Spin-transfer dynamics in spin valves with out-of-plane magnetized CoNi free layers. <i>Physical Review B</i> , 2010 , 81,	3.3	139
286	Thermal spin pumping and magnon-phonon-mediated spin-Seebeck effect. <i>Journal of Applied Physics</i> , 2012 , 111, 103903	2.5	126

285	Current-induced magnetization dynamics in disordered itinerant ferromagnets. <i>Physical Review B</i> , 2006 , 74,	3.3	123
284	Exchange magnon-polaritons in microwave cavities. <i>Physical Review B</i> , 2015 , 91,	3.3	121
283	Theory of current-driven magnetization dynamics in inhomogeneous ferromagnets. <i>Journal of Magnetism and Magnetic Materials</i> , 2008 , 320, 1282-1292	2.8	119
282	Scattering theory of gilbert damping. <i>Physical Review Letters</i> , 2008 , 101, 037207	7.4	118
281	Terahertz Dynamics of Excitons in GaAs/AlGaAs Quantum Wells. <i>Physical Review Letters</i> , 1996 , 77, 1131-1134	7.4	116
280	Origin of the spin Seebeck effect in compensated ferrimagnets. <i>Nature Communications</i> , 2016 , 7, 10452	17.4	115
279	Spin accumulation in small ferromagnetic double-barrier junctions. <i>Physical Review B</i> , 1999 , 59, 93-96	3.3	114
278	Theory of magnetoexcitons in quantum wells. <i>Physical Review B</i> , 1988 , 37, 3130-3133	3.3	110
277	Magnon Polarons in the Spin Seebeck Effect. <i>Physical Review Letters</i> , 2016 , 117, 207203	7.4	102
276	Interface resistance of disordered magnetic multilayers. <i>Physical Review B</i> , 2001 , 63,	3.3	96
275	Negative Domain Wall Resistance in Ferromagnets. <i>Physical Review Letters</i> , 1999 , 83, 4401-4404	7.4	95
274	Perpendicular transport through magnetic multilayers. <i>Physical Review Letters</i> , 1992 , 69, 1676-1679	7.4	93
273	Unified first-principles study of gilbert damping, spin-flip diffusion, and resistivity in transition metal alloys. <i>Physical Review Letters</i> , 2010 , 105, 236601	7.4	92
272	Spin transfer in diffusive ferromagnetic normal metal systems with spin-flip scattering. <i>Physical Review B</i> , 2002 , 66,	3.3	90
271	Intrinsic spin Hall edges. <i>Physical Review Letters</i> , 2005 , 95, 256602	7.4	88
270	Thermal Spin Dynamics of Yttrium Iron Garnet. <i>Physical Review Letters</i> , 2016 , 117, 217201	7.4	86
269	Vertex corrections to the anomalous Hall effect in spin-polarized two-dimensional electron gases with a Rashba spin-orbit interaction. <i>Physical Review Letters</i> , 2006 , 97, 046604	7.4	86
268	Ballistic electron transport through magnetic domain walls. <i>Physical Review B</i> , 1999 , 59, 138-141	3.3	86

267	Observation of the spin Nernst effect. <i>Nature Materials</i> , 2017 , 16, 977-981	27	85
266	Thermal spin transfer in Fe-MgO-Fe tunnel junctions. <i>Physical Review Letters</i> , 2011 , 107, 176603	7.4	85
265	Interface resistances of magnetic multilayers. <i>Physical Review B</i> , 1997 , 56, 10805-10808	3.3	84
264	Spin-transfer torque in magnetic tunnel junctions: Scattering theory. <i>Physical Review B</i> , 2008 , 77,	3.3	84
263	First-principles scattering matrices for spin transport. <i>Physical Review B</i> , 2006 , 73,	3.3	84
262	Magnetization noise in magnetoelectronic nanostructures. <i>Physical Review Letters</i> , 2005 , 95, 016601	7.4	82
261	Exchange magnetic field torques in YIG/Pt bilayers observed by the spin-Hall magnetoresistance. <i>Applied Physics Letters</i> , 2013 , 103, 032401	3.4	79
260	Dynamic stiffness of spin valves. <i>Physical Review B</i> , 2003 , 67,	3.3	79
259	Universal angular magnetoresistance and spin torque in ferromagnetic/normal metal hybrids. <i>Physical Review B</i> , 2003 , 67,	3.3	78
258	Conductance modulation by spin precession in noncollinear ferromagnet normal-metal ferromagnet systems. <i>Physical Review B</i> , 2000 , 62, 5700-5712	3.3	78
257	Ballistic transport and electronic structure. <i>Physical Review B</i> , 1998 , 57, 8907-8926	3.3	78
256	Domain wall propagation through spin wave emission. <i>Physical Review Letters</i> , 2012 , 109, 167209	7.4	71
255	Strong Interlayer Magnon-Magnon Coupling in Magnetic Metal-Insulator Hybrid Nanostructures. <i>Physical Review Letters</i> , 2018 , 120, 217202	7.4	71
254	Coherent elastic excitation of spin waves. <i>Physical Review B</i> , 2015 , 91,	3.3	70
253	General operator ground-state expectation values in the Hohenberg-Kohn-Sham density-functional formalism. <i>Physical Review B</i> , 1983 , 27, 5912-5918	3.3	69
252	Many-body effects on the luminescence spectrum of modulation-doped quantum wells. <i>Physical Review B</i> , 1985 , 31, 8321-8324	3.3	69
251	The 2021 Magnonics Roadmap. <i>Journal of Physics Condensed Matter</i> , 2021 , 33,	1.8	69
250	Current-driven ferromagnetic resonance, mechanical torques, and rotary motion in magnetic nanostructures. <i>Physical Review B</i> , 2007 , 75,	3.3	68

- 249 Ballistic and diffuse transport through a ferromagnetic domain wall. *Physical Review B*, **1999**, 60, 3406-3413 66
- 248 Magnon-polaron transport in magnetic insulators. *Physical Review B*, **2017**, 95, 3-3 65
- 247 All-optical observation and reconstruction of spin wave dispersion. *Nature Communications*, **2017**, 8, 15859-4 63
- 246 Spin-wave excitation in magnetic insulators by spin-transfer torque. *Physical Review Letters*, **2012**, 108, 217204 7.4 63
- 245 Excitation of unidirectional exchange spin waves by a nanoscale magnetic grating. *Physical Review B*, **2019**, 100, 3-3 62
- 244 Nanoscale magnetic heat pumps and engines. *Physical Review B*, **2010**, 81, 3-3 61
- 243 Voltage generation by ferromagnetic resonance at a nonmagnet to ferromagnet contact. *Physical Review Letters*, **2006**, 97, 216602 7.4 60
- 242 Optical Cooling of Magnons. *Physical Review Letters*, **2018**, 121, 087205 7.4 59
- 241 Universality of Transport through Dirty Interfaces. *Physical Review Letters*, **1997**, 78, 3015-3018 7.4 59
- 240 Light scattering by magnons in whispering gallery mode cavities. *Physical Review B*, **2017**, 96, 3-3 58
- 239 Spin-dependent transparency of ferromagnet/superconductor interfaces. *Physical Review Letters*, **2002**, 89, 166603 7.4 58
- 238 Spin injection through an Fe/InAs interface. *Physical Review B*, **2003**, 67, 3-3 57
- 237 Spin Hall magnetoresistance in a canted ferrimagnet. *Physical Review B*, **2016**, 94, 3-3 55
- 236 Excitons in the quasi-two-dimensional electron gas. *Physical Review B*, **1992**, 45, 9153-9162 3-3 55
- 235 Theory of spin Hall magnetoresistance (SMR) and related phenomena. *Journal of Physics Condensed Matter*, **2016**, 28, 103004 1.8 54
- 234 Spin heat accumulation and spin-dependent temperatures in nanopillar spin valves. *Nature Physics*, **2013**, 9, 636-639 16.2 54
- 233 Exciton binding energy in (Al,Ga)As quantum wells: Effects of crystal orientation and envelope-function symmetry. *Physical Review B*, **1988**, 38, 6147-6150 3-3 53
- 232 Nonlocal magnon-polaron transport in yttrium iron garnet. *Physical Review B*, **2017**, 96, 3-3 50

231	Spin accumulation and Andreev reflection in a mesoscopic ferromagnetic wire. <i>Physical Review B</i> , 2000 , 62, 9726-9739	3-3	50
230	Sign of inverse spin Hall voltages generated by ferromagnetic resonance and temperature gradients in yttrium iron garnet platinum bilayers. <i>Journal Physics D: Applied Physics</i> , 2015 , 48, 025001	3	48
229	Spin-Hall magnetoresistance and spin Seebeck effect in spin-spiral and paramagnetic phases of multiferroic CoCr ₂ O ₄ films. <i>Physical Review B</i> , 2015 , 92,	3-3	48
228	Electron-hole magnetoplasmas in quantum wells. <i>Physical Review Letters</i> , 1990 , 64, 60-63	7-4	48
227	Intrinsic magnetoresistance in metal films on ferromagnetic insulators. <i>Physical Review B</i> , 2014 , 90,	3-3	46
226	First-principles study of exchange interactions of yttrium iron garnet. <i>Physical Review B</i> , 2017 , 95,	3-3	46
225	Magnetic spheres in microwave cavities. <i>Physical Review B</i> , 2015 , 91,	3-3	46
224	Exchange interaction in type-II quantum wells. <i>Physical Review B</i> , 1989 , 39, 1970-1972	3-3	46
223	Current-Induced Spin-Torque Resonance of Magnetic Insulators. <i>Physical Review Applied</i> , 2014 , 2,	4-3	45
222	Mesoscopic charge-density-wave junctions. <i>Physical Review B</i> , 1996 , 54, 2798-2805	3-3	45
221	Current-induced spin torque resonance of a magnetic insulator. <i>Physical Review B</i> , 2015 , 92,	3-3	44
220	Laser-Induced Spatiotemporal Dynamics of Magnetic Films. <i>Physical Review Letters</i> , 2015 , 115, 197201	7-4	43
219	Spin Seebeck Power Conversion. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-14	2	42
218	Spin-torque transistor. <i>Applied Physics Letters</i> , 2003 , 82, 3928-3930	3-4	42
217	Electron correlation effect in the momentum density of copper metal. <i>Physical Review B</i> , 1985 , 31, 681-693	3-3	42
216	Coherent long-range transfer of angular momentum between magnon Kittel modes by phonons. <i>Physical Review B</i> , 2020 , 101,	3-3	40
215	Spin Seebeck power generators. <i>Applied Physics Letters</i> , 2014 , 104, 042402	3-4	40
214	Non-equilibrium spin accumulation in ferromagnetic single-electron transistors. <i>European Physical Journal B</i> , 1999 , 9, 421-430	1-2	40

213	Theory of band gap renormalisation in modulation-doped quantum wells. <i>Journal of Physics C: Solid State Physics</i> , 1986 , 19, 1537-1551		40
212	Current-induced noise and damping in nonuniform ferromagnets. <i>Physical Review B</i> , 2008 , 78,	3-3	39
211	Nanomechanical magnetization reversal. <i>Physical Review Letters</i> , 2005 , 94, 167201	7-4	39
210	Magnetization dissipation in ferromagnets from scattering theory. <i>Physical Review B</i> , 2011 , 84,	3-3	38
209	Damping of Magnetization Dynamics by Phonon Pumping. <i>Physical Review Letters</i> , 2018 , 121, 027202	7-4	37
208	Macrospin tunneling and magnetopolaritons with nanomechanical interference. <i>Physical Review Letters</i> , 2011 , 106, 147203	7-4	37
207	Term spectrum of magnetoexcitons in quasi-two-dimensional systems. <i>Physical Review B</i> , 1990 , 41, 10763-10771	3-3	37
206	Magnon-phonon interactions in magnetic insulators. <i>Physical Review B</i> , 2019 , 99,	3-3	36
205	Nonlocal Exchange-Correlation Effects in the Total Compton Profile of Copper Metal. <i>Physical Review Letters</i> , 1984 , 52, 2061-2064	7-4	36
204	Current-induced spin-wave excitation in Pt/YIG bilayer. <i>Physical Review B</i> , 2013 , 88,	3-3	35
203	Calculating scattering matrices by wave function matching. <i>Physica Status Solidi (B): Basic Research</i> , 2008 , 245, 623-640	1-3	35
202	Selection rules for cavity-enhanced Brillouin light scattering from magnetostatic modes. <i>Physical Review B</i> , 2018 , 97,	3-3	34
201	Indirect coupling of magnons by cavity photons. <i>Physical Review B</i> , 2018 , 97,	3-3	33
200	Angular and linear momentum of excited ferromagnets. <i>Physical Review B</i> , 2013 , 88,	3-3	33
199	Magnetization damping in a local-density approximation. <i>Physical Review B</i> , 2007 , 75,	3-3	33
198	Magnetoexcitons in narrow GaAs/Ga _{1-x} Al _x As quantum wells. <i>Physical Review B</i> , 1991 , 43, 14707-14710	3-3	33
197	Electronic structure of free carriers in quantum wells calculated by density-functional theory. <i>Physical Review B</i> , 1986 , 34, 1300-1303	3-3	33
196	Carrier-induced shift and broadening of optical spectra in an Al _x Ga _{1-x} As/GaAs quantum well with a gate electrode. <i>Physical Review B</i> , 1988 , 38, 10791-10797	3-3	33

195	Reducing the critical switching current in nanoscale spin valves. <i>Applied Physics Letters</i> , 2004 , 85, 3250-3252	3.2	32
194	Density-functional theory of the Compton profile anisotropy of copper metal. <i>European Physical Journal B</i> , 1983 , 54, 17-24	1.2	32
193	Magnetic-proximity-induced magnetoresistance on topological insulators. <i>Physical Review B</i> , 2017 , 95,	3.3	31
192	Detection of current-induced spins by ferromagnetic contacts. <i>Physical Review Letters</i> , 2006 , 97, 256601	7.4	31
191	Nonmonotonic angular magnetoresistance in asymmetric spin valves. <i>Physical Review B</i> , 2004 , 69,	3.3	30
190	Scattering theory of interface resistance in magnetic multilayers. <i>Journal Physics D: Applied Physics</i> , 2002 , 35, 2410-2414	3	30
189	Noncollinear single-electron spin-valve transistors. <i>Physical Review B</i> , 2005 , 72,	3.3	29
188	Magnetic resonance imaging of spin-wave transport and interference in a magnetic insulator. <i>Science Advances</i> , 2020 , 6,	14.3	29
187	Resources of nonlinear cavity magnonics for quantum information. <i>Physical Review B</i> , 2020 , 101,	3.3	27
186	Spin heat accumulation and its relaxation in spin valves. <i>Physical Review B</i> , 2010 , 81,	3.3	27
185	Perpendicular spin valves with ultrathin ferromagnetic layers: Magnetoelectronic circuit investigation of finite-size effects. <i>Physical Review B</i> , 2006 , 73,	3.3	27
184	Density-functional theory of quantum wires and dots in a strong magnetic field. <i>Physical Review B</i> , 1995 , 52, 12143-12152	3.3	26
183	Collective transport through charge-density-wave heterostructures. <i>Physical Review B</i> , 1996 , 54, 8487-8490	3.3	26
182	Excitons in dense two-dimensional electron-hole magnetoplasmas. <i>Physical Review B</i> , 1992 , 46, 12765-12768	3.3	26
181	Proximity-effect-assisted decay of spin currents in superconductors. <i>Europhysics Letters</i> , 2008 , 84, 57008	1.6	25
180	Semiclassical theory of perpendicular transport and giant magnetoresistance in disordered metallic multilayers. <i>Physical Review B</i> , 1994 , 49, 14684-14699	3.3	25
179	Chiral excitation of spin waves in ferromagnetic films by magnetic nanowire gratings. <i>Physical Review B</i> , 2019 , 99,	3.3	24
178	Magnonic domain wall heat conductance in ferromagnetic wires. <i>Physical Review Letters</i> , 2012 , 109, 087202	3.3	24

177	Noise and dissipation in magnetoelectronic nanostructures. <i>Physical Review B</i> , 2009 , 79,	3.3	24
176	Dynamic ferromagnetic proximity effect in photoexcited semiconductors. <i>Physical Review Letters</i> , 2004 , 92, 126601	7.4	24
175	Chiral Pumping of Spin Waves. <i>Physical Review Letters</i> , 2019 , 123, 247202	7.4	24
174	Thermoelectric spin diffusion in a ferromagnetic metal. <i>Solid State Communications</i> , 2010 , 150, 480-484	1.6	23
173	Observation of Magnon Polarization. <i>Physical Review Letters</i> , 2020 , 125, 027201	7.4	22
172	Magnetovibrational coupling in small cantilevers. <i>Applied Physics Letters</i> , 2003 , 83, 1584-1586	3.4	22
171	Low-temperature transport of excitons in type-II GaAs/AlAs quantum wells. <i>Physical Review B</i> , 1995 , 51, 14524-14531	3.3	22
170	Optimal mode matching in cavity optomagnonics. <i>Physical Review B</i> , 2019 , 99,	3.3	21
169	Spin transport in insulators without exchange stiffness. <i>Nature Communications</i> , 2019 , 10, 4740	17.4	21
168	Magnetization damping in noncollinear spin valves with antiferromagnetic interlayer couplings. <i>Physical Review B</i> , 2015 , 92,	3.3	21
167	Crystal field effects on spin pumping. <i>Physical Review B</i> , 2017 , 96,	3.3	20
166	Current-induced spin torque resonance of magnetic insulators affected by field-like spin-orbit torques and out-of-plane magnetizations. <i>Journal of Applied Physics</i> , 2015 , 117, 17C715	2.5	20
165	Light-induced spin polarizations in quantum rings. <i>Physical Review B</i> , 2014 , 90,	3.3	20
164	Current-induced macrospin versus spin-wave excitations in spin valves. <i>Physical Review B</i> , 2006 , 73,	3.3	20
163	Correlation effects on the optical properties of confined plasmas. <i>Surface Science</i> , 1990 , 229, 374-379	1.8	20
162	Roadmap on Spin-Wave Computing. <i>IEEE Transactions on Magnetics</i> , 2022 , 1-1	2	20
161	Spin Hall noise. <i>Physical Review B</i> , 2014 , 90,	3.3	19
160	Acoustic parametric pumping of spin waves. <i>Solid State Communications</i> , 2014 , 198, 30-34	1.6	19

159	Charge pumping in magnetic tunnel junctions: Scattering theory. <i>Physical Review B</i> , 2008 , 77,	3.3	19
158	Density-functional theory of the compton profiles of beryllium metal. <i>Solid State Communications</i> , 1983 , 47, 673-676	1.6	19
157	Semiquantum thermodynamics of complex ferrimagnets. <i>Physical Review B</i> , 2019 , 100,	3.3	19
156	Ab initio magnetoresistance in magnetic domain walls. <i>Journal of Magnetism and Magnetic Materials</i> , 1998 , 177-181, 188-192	2.8	18
155	Dynamic exchange coupling and Gilbert damping in magnetic multilayers (invited). <i>Journal of Applied Physics</i> , 2003 , 93, 7534-7538	2.5	18
154	Magnetoexcitons in quantum wires with an anisotropic parabolic potential. <i>Physical Review B</i> , 1994 , 50, 7719-7723	3.3	18
153	Exciton mixing in a wide GaAs/AlAs quantum well in weak and intermediate magnetic fields. <i>Physical Review B</i> , 1990 , 42, 1478-1481	3.3	18
152	Parameterization of site-site potentials in the spherical expansion formalism A point charge model for the electrostatic interaction of the aza-benzene molecules. <i>Molecular Physics</i> , 1982 , 47, 565-583	1.7	18
151	Transport through dirty interfaces. <i>Physical Review B</i> , 1997 , 56, 15860-15872	3.3	17
150	High-angular-momentum excitons in GaAs/Ga _{1-x} Al _x As quantum wells. <i>Physical Review B</i> , 1988 , 38, 10154-10157	3.3	17
149	Magnon Accumulation in Chirally Coupled Magnets. <i>Physical Review Letters</i> , 2020 , 124, 107202	7.4	16
148	Manipulation of ferromagnets via the spin-selective optical Stark effect. <i>Physical Review B</i> , 2013 , 88,	3.3	16
147	Thermoelectricity and disorder of FeCo/MgO/FeCo magnetic tunnel junctions. <i>Physical Review B</i> , 2014 , 90,	3.3	16
146	Thermopower and thermally induced domain wall motion in (Ga, Mn)As. <i>Solid State Communications</i> , 2010 , 150, 461-465	1.6	16
145	Specular vs. Diffuse Interface Scattering in Perpendicular Transport. <i>Europhysics Letters</i> , 1994 , 26, 117-122	3.3	16
144	Spin-Hall and anisotropic magnetoresistance in ferrimagnetic Co-Gd/Pt layers. <i>Physical Review Materials</i> , 2018 , 2,	3.2	16
143	Field-free synthetic-ferromagnet spin torque oscillator. <i>Physical Review B</i> , 2013 , 87,	3.3	15
142	Charge pumping and the colored thermal voltage noise in spin valves. <i>Physical Review B</i> , 2009 , 79,	3.3	15

141	Barnett effect in thin magnetic films and nanostructures. <i>Applied Physics Letters</i> , 2009 , 95, 122504	3.4	15
140	Shot noise in magnetic tunnel junctions from first principles. <i>Physical Review B</i> , 2012 , 86,	3.3	15
139	Persistent currents in a Peierls insulator. <i>Europhysics Letters</i> , 1996 , 36, 613-618	1.6	15
138	Hysteresis and defects of spin-polarized edge states in the integer quantum Hall regime. <i>Physical Review B</i> , 1994 , 50, 8629-8635	3.3	15
137	Scattering theory of perpendicular transport in metallic multilayers (invited). <i>Journal of Applied Physics</i> , 1994 , 75, 6704-6708	2.5	15
136	Polarization anisotropies in quantum wells. <i>Surface Science</i> , 1992 , 267, 442-444	1.8	15
135	Exchange effects on electron transport through single-electron spin-valve transistors. <i>Physical Review B</i> , 2006 , 74,	3.3	14
134	Dynamics of thin-film spin-flip transistors with perpendicular source-drain magnetizations. <i>Physical Review B</i> , 2006 , 73,	3.3	14
133	Efficient magnetization reversal with noisy currents. <i>Physical Review Letters</i> , 2006 , 96, 127203	7.4	14
132	Resistance noise in spin valves. <i>Physical Review B</i> , 2007 , 75,	3.3	14
131	Polarization spectra of quantum wells with imperfect-grid insertions. <i>Physical Review B</i> , 1991 , 44, 5562-5567	3.9	14
130	Actuation, propagation, and detection of transverse magnetoelastic waves in ferromagnets. <i>Solid State Communications</i> , 2014 , 198, 35-39	1.6	13
129	Long-Range Spin Currents with Chiral Crystals. <i>Physics Magazine</i> , 2011 , 4,	1.1	13
128	Spin accumulation with spin-orbit interaction. <i>Physical Review Letters</i> , 2009 , 102, 097204	7.4	13
127	Spin accumulation and decay in magnetic Schottky barriers. <i>Physical Review B</i> , 2005 , 72,	3.3	13
126	Tunneling spectroscopy of mesoscopic charge density wave systems. <i>Solid State Communications</i> , 1996 , 100, 37-41	1.6	13
125	Impurity effect on the line shape of the photoluminescence spectrum of modulation-doped quantum wells. <i>Journal of Physics C: Solid State Physics</i> , 1986 , 19, 1553-1566		13
124	Unidirectional Pumping of Phonons by Magnetization Dynamics. <i>Physical Review Letters</i> , 2020 , 125, 077203	7.4	13

123	Topologically nontrivial magnonic solitons. <i>Physical Review B</i> , 2019 , 99,	3.3	12
122	Voltage Control of Rare-Earth Magnetic Moments at the Magnetic-Insulator-Metal Interface. <i>Physical Review Letters</i> , 2018 , 120, 027201	7.4	12
121	Thermally induced dynamics in ultrathin magnetic tunnel junctions. <i>Physical Review B</i> , 2013 , 88,	3.3	12
120	Extracting current-induced spins: spin boundary conditions at narrow Hall contacts. <i>New Journal of Physics</i> , 2007 , 9, 382-382	2.9	12
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