

Gerrit Bauer

List of Publications by Year in Descending Order

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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	Thermoelectric Polarization Transport in Ferroelectric Ballistic Point Contacts.. <i>Physical Review Letters</i> , 2022 , 128, 047601	7.4	1
319	Roadmap on Spin-Wave Computing. <i>IEEE Transactions on Magnetics</i> , 2022 , 1-1	2	20
318	Magnonics vs. Ferronics. <i>Journal of Magnetism and Magnetic Materials</i> , 2022 , 541, 168468	2.8	2
317	Hopfield neural network in magnetic textures with intrinsic Hebbian learning. <i>Physical Review B</i> , 2021 , 104,	3.3	2
316	Nonreciprocal coherent coupling of nanomagnets by exchange spin waves. <i>Nano Research</i> , 2021 , 14, 2133	10	8
315	Spin-Wave Doppler Shift by Magnon Drag in Magnetic Insulators. <i>Physical Review Letters</i> , 2021 , 126, 137202	7.4	0
314	Magnon dispersion in bilayers of two-dimensional ferromagnets. <i>Physical Review B</i> , 2021 , 103,	3.3	2
313	Magnetic order of Dy ³⁺ and Fe ³⁺ moments in antiferromagnetic DyFeO ₃ probed by spin Hall magnetoresistance and spin Seebeck effect. <i>Physical Review B</i> , 2021 , 103,	3.3	6
312	Theory of Transport in Ferroelectric Capacitors. <i>Physical Review Letters</i> , 2021 , 126, 187603	7.4	6
311	Chiral Coupling to Magnetodipolar Radiation. <i>Topics in Applied Physics</i> , 2021 , 1-23	0.5	2
310	Cryogenic spin Seebeck effect. <i>Physical Review B</i> , 2021 , 103,	3.3	1
309	The 2021 Magnonics Roadmap. <i>Journal of Physics Condensed Matter</i> , 2021 , 33,	1.8	69
308	Noncontact Spin Pumping by Microwave Evanescent Fields. <i>Physical Review Letters</i> , 2020 , 124, 236801	7.4	6
307	Voltage- and temperature-dependent rare-earth dopant contribution to the interfacial magnetic anisotropy. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 404004	1.8	0
306	Chiral coupling of magnons in waveguides. <i>Physical Review B</i> , 2020 , 101,	3.3	9
305	Magnon Accumulation in Chirally Coupled Magnets. <i>Physical Review Letters</i> , 2020 , 124, 107202	7.4	16
304	Observation of Magnon Polarization. <i>Physical Review Letters</i> , 2020 , 125, 027201	7.4	22

303	Coherent pumping of high-momentum magnons by light. <i>Physical Review B</i> , 2020 , 101,	3-3	5
302	Angular momentum conservation and phonon spin in magnetic insulators. <i>Physical Review B</i> , 2020 , 101,	3-3	9
301	Resources of nonlinear cavity magnonics for quantum information. <i>Physical Review B</i> , 2020 , 101,	3-3	27
300	Coherent long-range transfer of angular momentum between magnon Kittel modes by phonons. <i>Physical Review B</i> , 2020 , 101,	3-3	40
299	Non-reciprocal Pumping of Surface Acoustic Waves by Spin Wave Resonance. <i>Journal of the Physical Society of Japan</i> , 2020 , 89, 113702	1-5	5
298	Magnetic resonance imaging of spin-wave transport and interference in a magnetic insulator. <i>Science Advances</i> , 2020 , 6,	14-3	29
297	Unidirectional Pumping of Phonons by Magnetization Dynamics. <i>Physical Review Letters</i> , 2020 , 125, 077203	7-4	13
296	Circulating cavity magnon polaritons. <i>Physical Review B</i> , 2020 , 102,	3-3	9
295	Magnon trap by chiral spin pumping. <i>Physical Review B</i> , 2020 , 102,	3-3	9
294	Excitation of unidirectional exchange spin waves by a nanoscale magnetic grating. <i>Physical Review B</i> , 2019 , 100,	3-3	62
293	Optimal mode matching in cavity optomagnonics. <i>Physical Review B</i> , 2019 , 99,	3-3	21
292	Magnon-phonon interactions in magnetic insulators. <i>Physical Review B</i> , 2019 , 99,	3-3	36
291	Surface dynamics of rough magnetic films. <i>Physical Review B</i> , 2019 , 99,	3-3	10
290	Chiral excitation of spin waves in ferromagnetic films by magnetic nanowire gratings. <i>Physical Review B</i> , 2019 , 99,	3-3	24
289	Special issue on spin caloritronics. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 230301	3	8
288	Topologically nontrivial magnonic solitons. <i>Physical Review B</i> , 2019 , 99,	3-3	12
287	Spin transport in insulators without exchange stiffness. <i>Nature Communications</i> , 2019 , 10, 4740	17-4	21
286	Semiquantum thermodynamics of complex ferrimagnets. <i>Physical Review B</i> , 2019 , 100,	3-3	19

285	Chiral Pumping of Spin Waves. <i>Physical Review Letters</i> , 2019 , 123, 247202	7.4	24
284	Indirect coupling of magnons by cavity photons. <i>Physical Review B</i> , 2018 , 97,	3.3	33
283	Voltage Control of Rare-Earth Magnetic Moments at the Magnetic-Insulator-Metal Interface. <i>Physical Review Letters</i> , 2018 , 120, 027201	7.4	12
282	Damping of Magnetization Dynamics by Phonon Pumping. <i>Physical Review Letters</i> , 2018 , 121, 027202	7.4	37
281	Theory of spin and lattice wave dynamics excited by focused laser pulses. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 224008	3	3
280	Optical Cooling of Magnons. <i>Physical Review Letters</i> , 2018 , 121, 087205	7.4	59
279	Selection rules for cavity-enhanced Brillouin light scattering from magnetostatic modes. <i>Physical Review B</i> , 2018 , 97,	3.3	34
278	Spin-Hall and anisotropic magnetoresistance in ferrimagnetic Co-Gd/Pt layers. <i>Physical Review Materials</i> , 2018 , 2,	3.2	16
277	Gate-controlled magnetoresistance of a paramagnetic-insulator platinum interface. <i>Physical Review B</i> , 2018 , 98,	3.3	6
276	Strong Interlayer Magnon-Magnon Coupling in Magnetic Metal-Insulator Hybrid Nanostructures. <i>Physical Review Letters</i> , 2018 , 120, 217202	7.4	71
275	Energy repartition in the nonequilibrium steady state. <i>Physical Review B</i> , 2017 , 95,	3.3	9
274	All-optical observation and reconstruction of spin wave dispersion. <i>Nature Communications</i> , 2017 , 8, 15859.4	7.4	63
273	Magnetic-proximity-induced magnetoresistance on topological insulators. <i>Physical Review B</i> , 2017 , 95,	3.3	31
272	Nonlocal magnon-polaron transport in yttrium iron garnet. <i>Physical Review B</i> , 2017 , 96,	3.3	50
271	Crystal field effects on spin pumping. <i>Physical Review B</i> , 2017 , 96,	3.3	20
270	Theory of the magnon-mediated tunnel magneto-Seebeck effect. <i>Physical Review B</i> , 2017 , 96,	3.3	4
269	Observation of the spin Nernst effect. <i>Nature Materials</i> , 2017 , 16, 977-981	27	85
268	Light scattering by magnons in whispering gallery mode cavities. <i>Physical Review B</i> , 2017 , 96,	3.3	58

267	Magnon-polaron transport in magnetic insulators. <i>Physical Review B</i> , 2017 , 95,	3.3	65
266	Thermal control of the magnon-photon coupling in a notch filter coupled to a yttrium iron garnet/platinum system. <i>Physical Review B</i> , 2017 , 96,	3.3	11
265	First-principles study of exchange interactions of yttrium iron garnet. <i>Physical Review B</i> , 2017 , 95,	3.3	46
264	Magnetomechanical coupling and ferromagnetic resonance in magnetic nanoparticles. <i>Physical Review B</i> , 2017 , 95,	3.3	11
263	Spin Hall magnetoresistance in a canted ferrimagnet. <i>Physical Review B</i> , 2016 , 94,	3.3	55
262	Spin pumping into two-dimensional electron systems. <i>Physical Review B</i> , 2016 , 94,	3.3	9
261	Thermal Spin Dynamics of Yttrium Iron Garnet. <i>Physical Review Letters</i> , 2016 , 117, 217201	7.4	86
260	Microscopic calculation of thermally induced spin-transfer torques. <i>Physical Review B</i> , 2016 , 94,	3.3	10
259	Magnon spin transport driven by the magnon chemical potential in a magnetic insulator. <i>Physical Review B</i> , 2016 , 94,	3.3	167
258	Magnon Polarons in the Spin Seebeck Effect. <i>Physical Review Letters</i> , 2016 , 117, 207203	7.4	102
257	Observation of temperature-gradient-induced magnetization. <i>Nature Communications</i> , 2016 , 7, 12265	17.4	11
256	Theory of spin Hall magnetoresistance (SMR) and related phenomena. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 103004	1.8	54
255	Origin of the spin Seebeck effect in compensated ferrimagnets. <i>Nature Communications</i> , 2016 , 7, 10452	17.4	115
254	Effective exchange fields in spin-torque resonance of magnetic insulators. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 400, 163-167	2.8	1
253	Modelling of the Peltier effect in magnetic multilayers. <i>Journal of Applied Physics</i> , 2016 , 119, 073906	2.5	4
252	Size dependence of Peltier cooling in ferromagnet/Au nanopillars. <i>Applied Physics Express</i> , 2015 , 8, 083002	2	2
251	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
250	Exchange magnon-polaritons in microwave cavities. <i>Physical Review B</i> , 2015 , 91,	3.3	121

249	Spin Seebeck Power Conversion. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-14	2	42
248	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
247	Magnetic spheres in microwave cavities. <i>Physical Review B</i> , 2015 , 91,	3-3	46
246	Current-induced spin torque resonance of a magnetic insulator. <i>Physical Review B</i> , 2015 , 92,	3-3	44
245	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
244	Laser-Induced Spatiotemporal Dynamics of Magnetic Films. <i>Physical Review Letters</i> , 2015 , 115, 197201	7-4	43
243	Magnetization damping in noncollinear spin valves with antiferromagnetic interlayer couplings. <i>Physical Review B</i> , 2015 , 92,	3-3	21
242	Coherent elastic excitation of spin waves. <i>Physical Review B</i> , 2015 , 91,	3-3	70
241	Spin Seebeck power generators. <i>Applied Physics Letters</i> , 2014 , 104, 042402	3-4	40
240	Actuation, propagation, and detection of transverse magnetoelastic waves in ferromagnets. <i>Solid State Communications</i> , 2014 , 198, 35-39	1.6	13
239	Intrinsic magnetoresistance in metal films on ferromagnetic insulators. <i>Physical Review B</i> , 2014 , 90,	3-3	46
238	Light-induced spin polarizations in quantum rings. <i>Physical Review B</i> , 2014 , 90,	3-3	20
237	Current-Induced Spin-Torque Resonance of Magnetic Insulators. <i>Physical Review Applied</i> , 2014 , 2,	4-3	45
236	Observation of the spin Peltier effect for magnetic insulators. <i>Physical Review Letters</i> , 2014 , 113, 027601	7-4	161
235	The 2014 Magnetism Roadmap. <i>Journal Physics D: Applied Physics</i> , 2014 , 47, 333001	3	291
234	Current-induced magnetization dynamics in two magnetic insulators separated by a normal metal. <i>Physical Review B</i> , 2014 , 90,	3-3	6
233	Thermoelectricity and disorder of FeCo/MgO/FeCo magnetic tunnel junctions. <i>Physical Review B</i> , 2014 , 90,	3-3	16
232	Spin Hall noise. <i>Physical Review B</i> , 2014 , 90,	3-3	19

231	Spin mechanics. <i>Solid State Communications</i> , 2014 , 198, 1-2	1.6	6
230	Acoustic parametric pumping of spin waves. <i>Solid State Communications</i> , 2014 , 198, 30-34	1.6	19
229	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
228	Field-free synthetic-ferromagnet spin torque oscillator. <i>Physical Review B</i> , 2013 , 87,	3.3	15
227	Spin heat accumulation and spin-dependent temperatures in nanopillar spin valves. <i>Nature Physics</i> , 2013 , 9, 636-639	16.2	54
226	Manipulation of ferromagnets via the spin-selective optical Stark effect. <i>Physical Review B</i> , 2013 , 88,	3.3	16
225	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
224	Spin-Wave Excitation in Magnetic Insulator Thin Films by Spin-Transfer Torque. <i>Solid State Physics</i> , 2013 , 64, 29-51	2	2
223	Experimental test of the spin mixing interface conductivity concept. <i>Physical Review Letters</i> , 2013 , 111, 176601	7.4	233
222	Current-induced spin-wave excitation in Pt/YIG bilayer. <i>Physical Review B</i> , 2013 , 88,	3.3	35
221	Magnon Mediated Domain Wall Heat Conductance in Ferromagnetic Wires. <i>IEEE Transactions on Magnetism</i> , 2013 , 49, 3109-3112	2	2
220	Aharonov-Casher effect in quantum ring ensembles. <i>Physical Review B</i> , 2013 , 88,	3.3	5
219	Angular and linear momentum of excited ferromagnets. <i>Physical Review B</i> , 2013 , 88,	3.3	33
218	Theory of spin Hall magnetoresistance. <i>Physical Review B</i> , 2013 , 87,	3.3	483
217	Spin torque transistor revisited. <i>Applied Physics Letters</i> , 2013 , 102, 192412	3.4	5
216	Quantitative study of the spin Hall magnetoresistance in ferromagnetic insulator/normal metal hybrids. <i>Physical Review B</i> , 2013 , 87,	3.3	346
215	Spin Hall magnetoresistance induced by a nonequilibrium proximity effect. <i>Physical Review Letters</i> , 2013 , 110, 206601	7.4	677
214	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

213	Thermally induced dynamics in ultrathin magnetic tunnel junctions. <i>Physical Review B</i> , 2013 , 88,	3.3	12
212	Magnonic domain wall heat conductance in ferromagnetic wires. <i>Physical Review Letters</i> , 2012 , 109, 087202	7.4	24
211	Spin-wave excitation in magnetic insulators by spin-transfer torque. <i>Physical Review Letters</i> , 2012 , 108, 217204	7.4	63
210	Spin caloritronics. <i>Nature Materials</i> , 2012 , 11, 391-9	27	1217
209	Thermal spin pumping and magnon-phonon-mediated spin-Seebeck effect. <i>Journal of Applied Physics</i> , 2012 , 111, 103903	2.5	126
208	Shot noise in magnetic tunnel junctions from first principles. <i>Physical Review B</i> , 2012 , 86,	3.3	15
207	Domain wall propagation through spin wave emission. <i>Physical Review Letters</i> , 2012 , 109, 167209	7.4	71
206	Spin transfer torque on magnetic insulators. <i>Europhysics Letters</i> , 2011 , 96, 17005	1.6	171
205	Thermal spin transfer in Fe-MgO-Fe tunnel junctions. <i>Physical Review Letters</i> , 2011 , 107, 176603	7.4	85
204	Angular momentum transfer torques in spin valves with perpendicular magnetization. <i>Physical Review B</i> , 2011 , 84,	3.3	6
203	Feedback control of noise in spin valves by the spin-transfer torque. <i>Applied Physics Letters</i> , 2011 , 98, 083110	3.4	5
202	Long-Range Spin Currents with Chiral Crystals. <i>Physics Magazine</i> , 2011 , 4,	1.1	13
201	Macrospin tunneling and magnetopolaritons with nanomechanical interference. <i>Physical Review Letters</i> , 2011 , 106, 147203	7.4	37
200	Focused crossed Andreev reflection. <i>Europhysics Letters</i> , 2011 , 93, 67005	1.6	2
199	Magnetization dissipation in ferromagnets from scattering theory. <i>Physical Review B</i> , 2011 , 84,	3.3	38
198	Spin Seebeck insulator. <i>Nature Materials</i> , 2010 , 9, 894-7	27	930
197	Quantifying spin Hall angles from spin pumping: experiments and theory. <i>Physical Review Letters</i> , 2010 , 104, 046601	7.4	520
196	Nanoscale magnetic heat pumps and engines. <i>Physical Review B</i> , 2010 , 81,	3.3	61

195	Theory of magnon-driven spin Seebeck effect. <i>Physical Review B</i> , 2010 , 81,	3.3	484
194	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
193	Spin-transfer dynamics in spin valves with out-of-plane magnetized CoNi free layers. <i>Physical Review B</i> , 2010 , 81,	3.3	139
192	Spin heat accumulation and its relaxation in spin valves. <i>Physical Review B</i> , 2010 , 81,	3.3	27
191	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
190	Thermoelectric spin diffusion in a ferromagnetic metal. <i>Solid State Communications</i> , 2010 , 150, 480-484	1.6	23
189	Electron-electron interaction induced spin thermalization in quasi-low-dimensional spin valves. <i>Solid State Communications</i> , 2010 , 150, 475-479	1.6	4
188	Thermopower and thermally induced domain wall motion in (Ga, Mn)As. <i>Solid State Communications</i> , 2010 , 150, 461-465	1.6	16
187	Noise and dissipation in magnetoelectronic nanostructures. <i>Physical Review B</i> , 2009 , 79,	3.3	24
186	Charge pumping and the colored thermal voltage noise in spin valves. <i>Physical Review B</i> , 2009 , 79,	3.3	15
185	Spin accumulation with spin-orbit interaction. <i>Physical Review Letters</i> , 2009 , 102, 097204	7.4	13
184	Barnett effect in thin magnetic films and nanostructures. <i>Applied Physics Letters</i> , 2009 , 95, 122504	3.4	15
183	Hall effects and related phenomena in disordered Rashba 2DEG. <i>Semiconductor Science and Technology</i> , 2009 , 24, 064003	1.8	9
182	Thermoelectric effects in magnetic nanostructures. <i>Physical Review B</i> , 2009 , 79,	3.3	151
181	Proximity-effect-assisted decay of spin currents in superconductors. <i>Europhysics Letters</i> , 2008 , 84, 57008	1.6	25
180	Piezospin polarization of currents in nanostructures. <i>Physical Review Letters</i> , 2008 , 101, 036401	7.4	6
179	Charge pumping in magnetic tunnel junctions: Scattering theory. <i>Physical Review B</i> , 2008 , 77,	3.3	19
178	Current-induced noise and damping in nonuniform ferromagnets. <i>Physical Review B</i> , 2008 , 78,	3.3	39

177	Calculating scattering matrices by wave function matching. <i>Physica Status Solidi (B): Basic Research</i> , 2008 , 245, 623-640	1.3	35
176	Theory of current-driven magnetization dynamics in inhomogeneous ferromagnets. <i>Journal of Magnetism and Magnetic Materials</i> , 2008 , 320, 1282-1292	2.8	119
175	Spin-transfer torque in magnetic tunnel junctions: Scattering theory. <i>Physical Review B</i> , 2008 , 77,	3.3	84
174	Scattering theory of gilbert damping. <i>Physical Review Letters</i> , 2008 , 101, 037207	7.4	118
173	Thermal spin-transfer torque in magnetoelectronic devices. <i>Physical Review Letters</i> , 2007 , 99, 066603	7.4	233
172	Extracting current-induced spins: spin boundary conditions at narrow Hall contacts. <i>New Journal of Physics</i> , 2007 , 9, 382-382	2.9	12
171	Magnetization damping in a local-density approximation. <i>Physical Review B</i> , 2007 , 75,	3.3	33
170	Charge and spin transport in spin valves with anisotropic spin relaxation. <i>Physical Review B</i> , 2007 , 75,	3.3	2
169	Resistance noise in spin valves. <i>Physical Review B</i> , 2007 , 75,	3.3	14
168	Current-driven ferromagnetic resonance, mechanical torques, and rotary motion in magnetic nanostructures. <i>Physical Review B</i> , 2007 , 75,	3.3	68
167	Chapter Two Magnetic Nanostructures: Currents and Dynamics. <i>Handbook of Magnetic Materials</i> , 2007 , 123-148	1.3	
166	Current-induced macrospin versus spin-wave excitations in spin valves. <i>Physical Review B</i> , 2006 , 73,	3.3	20
165	Exchange effects on electron transport through single-electron spin-valve transistors. <i>Physical Review B</i> , 2006 , 74,	3.3	14
164	Perpendicular spin valves with ultrathin ferromagnetic layers: Magnetoelectronic circuit investigation of finite-size effects. <i>Physical Review B</i> , 2006 , 73,	3.3	27
163	Dynamics of thin-film spin-flip transistors with perpendicular source-drain magnetizations. <i>Physical Review B</i> , 2006 , 73,	3.3	14
162	First-principles scattering matrices for spin transport. <i>Physical Review B</i> , 2006 , 73,	3.3	84
161	Detection of current-induced spins by ferromagnetic contacts. <i>Physical Review Letters</i> , 2006 , 97, 256601	7.4	31
160	Voltage generation by ferromagnetic resonance at a nonmagnet to ferromagnet contact. <i>Physical Review Letters</i> , 2006 , 97, 216602	7.4	60

159	Efficient magnetization reversal with noisy currents. <i>Physical Review Letters</i> , 2006 , 96, 127203	7.4	14
158	Current-induced magnetization dynamics in disordered itinerant ferromagnets. <i>Physical Review B</i> , 2006 , 74,	3.3	123
157	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
156	Diffusion of monochromatic classical waves. <i>Physical Review E</i> , 2006 , 73, 016618	2.4	3
155	Magnetomechanical Torques in Small Magnetic Cantilevers. <i>Japanese Journal of Applied Physics</i> , 2006 , 45, 3878-3888	1.4	7
154	Current-Controlled Magnetization Dynamics in the Spin-Flip Transistor. <i>Japanese Journal of Applied Physics</i> , 2006 , 45, 3863-3868	1.4	5
153	Non-collinear magnetoelectronics. <i>Physics Reports</i> , 2006 , 427, 157-255	27.7	335
152	Nonlocal magnetization dynamics in ferromagnetic heterostructures. <i>Reviews of Modern Physics</i> , 2005 , 77, 1375-1421	40.5	953
151	Numerical simulation of diffusive conductivity in Rashba split two-dimensional gas. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2005 , 30, 120-125	3	4
150	Noncollinear single-electron spin-valve transistors. <i>Physical Review B</i> , 2005 , 72,	3.3	29
149	Spin accumulation and decay in magnetic Schottky barriers. <i>Physical Review B</i> , 2005 , 72,	3.3	13
148	Magnetization noise in magnetoelectronic nanostructures. <i>Physical Review Letters</i> , 2005 , 95, 016601	7.4	82
147	Nanomechanical magnetization reversal. <i>Physical Review Letters</i> , 2005 , 94, 167201	7.4	39
146	First-principles study of magnetization relaxation enhancement and spin transfer in thin magnetic films. <i>Physical Review B</i> , 2005 , 71,	3.3	168
145	Intrinsic spin Hall edges. <i>Physical Review Letters</i> , 2005 , 95, 256602	7.4	88
144	Reducing the critical switching current in nanoscale spin valves. <i>Applied Physics Letters</i> , 2004 , 85, 3250-3252	3.3	32
143	Dynamic ferromagnetic proximity effect in photoexcited semiconductors. <i>Physical Review Letters</i> , 2004 , 92, 126601	7.4	24
142	Nonmonotonic angular magnetoresistance in asymmetric spin valves. <i>Physical Review B</i> , 2004 , 69,	3.3	30

141	Suppression of the persistent spin Hall current by defect scattering. <i>Physical Review B</i> , 2004 , 70,	3.3	347
140	Magnetovibrational magnetization dynamics. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, E1593-E1594	2.8	
139	Spin-pumping in ferromagnetic/normal metal systems. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 1981-1982	2.8	7
138	Applied physics. Mesmerizing semiconductors. <i>Science</i> , 2004 , 306, 1898-9	33.3	7
137	Spin Battery Operated by Ferromagnetic Resonance. <i>ChemInform</i> , 2003 , 34, no		1
136	Spin-injection through an Fe/InAs interface. <i>Physica Status Solidi A</i> , 2003 , 196, 25-28		1
135	Diffuse transport and spin accumulation in a Rashba two-dimensional electron gas. <i>Physical Review B</i> , 2003 , 67,	3.3	193
134	Dynamic stiffness of spin valves. <i>Physical Review B</i> , 2003 , 67,	3.3	79
133	Spin injection through an Fe/InAs interface. <i>Physical Review B</i> , 2003 , 67,	3.3	57
132	Magnetovibrational coupling in small cantilevers. <i>Applied Physics Letters</i> , 2003 , 83, 1584-1586	3.4	22
131	Universal angular magnetoresistance and spin torque in ferromagnetic/normal metal hybrids. <i>Physical Review B</i> , 2003 , 67,	3.3	78
130	Spin-torque transistor. <i>Applied Physics Letters</i> , 2003 , 82, 3928-3930	3.4	42
129	Dynamic exchange coupling in magnetic bilayers. <i>Physical Review Letters</i> , 2003 , 90, 187601	7.4	295
128	Magnetoelectronic spin echo. <i>Physical Review Letters</i> , 2003 , 91, 166601	7.4	12
127	Dynamic exchange coupling and Gilbert damping in magnetic multilayers (invited). <i>Journal of Applied Physics</i> , 2003 , 93, 7534-7538	2.5	18
126	Theory of the angular magnetoresistance in CPP spin valves. <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 240, 174-176	2.8	3
125	Recursive Green functions technique applied to the propagation of elastic waves in layered media. <i>Ultrasonics</i> , 2002 , 40, 355-9	3.5	8
124	Elementary magnetoelectronics. <i>IEEE Potentials</i> , 2002 , 21, 6-10	1	3

123	Spin-dependent transparency of ferromagnet/superconductor interfaces. <i>Physical Review Letters</i> , 2002 , 89, 166603	7.4	58
122	Spin battery operated by ferromagnetic resonance. <i>Physical Review B</i> , 2002 , 66,	3.3	355
121	Amplitude coda of classical waves in disordered media. <i>Physical Review E</i> , 2002 , 65, 045604	2.4	5
120	Scattering theory of interface resistance in magnetic multilayers. <i>Journal Physics D: Applied Physics</i> , 2002 , 35, 2410-2414	3	30
119	Spin transfer in diffusive ferromagnet-normal metal systems with spin-flip scattering. <i>Physical Review B</i> , 2002 , 66,	3.3	90
118	Enhanced gilbert damping in thin ferromagnetic films. <i>Physical Review Letters</i> , 2002 , 88, 117601	7.4	1342
117	Spin pumping and magnetization dynamics in metallic multilayers. <i>Physical Review B</i> , 2002 , 66,	3.3	584
116	Spin torques in ferromagnetic/normal-metal structures. <i>Physical Review B</i> , 2002 , 65,	3.3	202
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