

Sergio M Rezende

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211
papers

5,145
citations

41
h-index

64
g-index

223
ext. papers

5,735
ext. citations

3.2
avg, IF

5.8
L-index

#	Paper	IF	Citations
211	Spin pumping and anisotropic magnetoresistance voltages in magnetic bilayers: Theory and experiment. <i>Physical Review B</i> , 2011 , 83,	3.3	282
210	Magnon spin-current theory for the longitudinal spin-Seebeck effect. <i>Physical Review B</i> , 2014 , 89,	3.3	213
209	dc effect in ferromagnetic resonance: Evidence of the spin-pumping effect?. <i>Journal of Applied Physics</i> , 2005 , 97, 10C715	2.5	184
208	Controlling chaos in spin-wave instabilities. <i>Physical Review Letters</i> , 1991 , 66, 1342-1345	7.4	158
207	Giant magnetoimpedance in the ferromagnetic alloy Co ₇₅ -xFe _x Si ₁₅ B ₁₀ . <i>Physical Review B</i> , 1995 , 51, 3926-3929	3.3	137
206	Large inverse spin Hall effect in the antiferromagnetic metal Ir ₂₀ Mn ₈₀ . <i>Physical Review B</i> , 2014 , 89,	3.3	131
205	A theoretical model for the giant magnetoimpedance in ribbons of amorphous soft-ferromagnetic alloys. <i>Journal of Applied Physics</i> , 1996 , 79, 6558	2.5	111
204	Spin-Current to Charge-Current Conversion and Magnetoresistance in a Hybrid Structure of Graphene and Yttrium Iron Garnet. <i>Physical Review Letters</i> , 2015 , 115, 226601	7.4	104
203	Detecting the phonon spin in magnon-phonon conversion experiments. <i>Nature Physics</i> , 2018 , 14, 500-506	6.2	91
202	Spin-wave theory for the dynamics induced by direct currents in magnetic multilayers. <i>Physical Review Letters</i> , 2005 , 94, 037202	7.4	91
201	Anomalous spin-wave damping in exchange-biased films. <i>Physical Review B</i> , 2001 , 63,	3.3	91
200	Studies of coupled metallic magnetic thin-film trilayers. <i>Journal of Applied Physics</i> , 1998 , 84, 958-972	2.5	91
199	Diffusive magnonic spin transport in antiferromagnetic insulators. <i>Physical Review B</i> , 2016 , 93,	3.3	84
198	Enhanced spin pumping damping in yttrium iron garnet/Pt bilayers. <i>Applied Physics Letters</i> , 2013 , 102, 012402	3.4	84
197	Extrinsic contributions to spin-wave damping and renormalization in thin Ni ₅₀ Fe ₅₀ films. <i>Physical Review B</i> , 2000 , 62, 5331-5333	3.3	80
196	Theory of coherence in Bose-Einstein condensation phenomena in a microwave-driven interacting magnon gas. <i>Physical Review B</i> , 2009 , 79,	3.3	79
195	Observation of subharmonic routes to chaos in parallel-pumped spin waves in yttrium iron garnet. <i>Physical Review Letters</i> , 1986 , 56, 1070-1073	7.4	79

194	Theory of the spin Seebeck effect in antiferromagnets. <i>Physical Review B</i> , 2016 , 93,	3.3	77
193	Giant ac magnetoresistance in the soft ferromagnet Co _{70.4} Fe _{4.6} Si ₁₅ B ₁₀ . <i>Journal of Applied Physics</i> , 1994 , 75, 6563-6565	2.5	72
192	Far-infrared laser study of magnetic polaritons in FeF ₂ and Mn impurity mode in FeF ₂ : Mn. <i>Physical Review B</i> , 1981 , 23, 1190-1204	3.3	71
191	Amplification of spin waves by thermal spin-transfer torque. <i>Physical Review Letters</i> , 2011 , 107, 197203	7.4	68
190	Biquadratic exchange coupling in sputtered (100) Fe/Cr/Fe. <i>Physical Review Letters</i> , 1996 , 76, 4837-4840	7.4	65
189	Bulk magnon spin current theory for the longitudinal spin Seebeck effect. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 400, 171-177	2.8	63
188	Ferromagnetic resonance of Fe(111) thin films and Fe(111)/Cu(111) multilayers. <i>Physical Review B</i> , 1994 , 49, 15105-15109	3.3	63
187	Amplification of spin waves in yttrium iron garnet films through the spin Hall effect. <i>Applied Physics Letters</i> , 2011 , 99, 192511	3.4	62
186	Introduction to antiferromagnetic magnons. <i>Journal of Applied Physics</i> , 2019 , 126, 151101	2.5	61
185	Hysteresis, metastability, and time dependence in d=2 and d=3 random-field Ising systems. <i>Journal of Applied Physics</i> , 1985 , 57, 3294-3296	2.5	60
184	Model for chaotic dynamics of the perpendicular-pumping spin-wave instability. <i>Physical Review B</i> , 1986 , 33, 5153-5156	3.3	57
183	Theory of Macroscopic Excitations of Magnons. <i>Physical Review B</i> , 1971 , 4, 201-209	3.3	57
182	Scaling of the equilibrium boundary of three-dimensional random-field Ising-model systems. <i>Physical Review B</i> , 1985 , 32, 503-506	3.3	56
181	Ferromagnetic resonance linewidth and anisotropy dispersions in thin Fe films. <i>Journal of Applied Physics</i> , 1999 , 85, 7316-7320	2.5	55
180	Magnon excitation by spin injection in thin Fe/Cr/Fe films. <i>Physical Review Letters</i> , 2000 , 84, 4212-5	7.4	54
179	Measurements of exchange anisotropy in NiFe/NiO films with different techniques. <i>Journal of Applied Physics</i> , 2000 , 87, 6421-6423	2.5	52
178	Irreversible and reversible measurements of exchange anisotropy. <i>Physical Review B</i> , 1999 , 60, 14837-14840	3.3	51
177	Unidirectional anisotropy in the spin pumping voltage in yttrium iron garnet/platinum bilayers. <i>Applied Physics Letters</i> , 2011 , 99, 102505	3.4	50

176	Multimagnon theory of antiferromagnetic resonance relaxation. <i>Physical Review B</i> , 1976 , 14, 2939-2955	3.3	50
175	Magnon excitation by spin-polarized direct currents in magnetic nanostructures. <i>Physical Review B</i> , 2006 , 73,	3.3	48
174	Radiation damping in magnetic resonance. II. Continuous-wave antiferromagnetic-resonance experiments. <i>Physical Review B</i> , 1974 , 10, 132-138	3.3	45
173	Spin-flop transition in the easy-plane antiferromagnet nickel oxide. <i>Physical Review B</i> , 2017 , 95,	3.3	44
172	Magnetic relaxation due to spin pumping in thick ferromagnetic films in contact with normal metals. <i>Physical Review B</i> , 2013 , 88,	3.3	43
171	Magnetoelastic Waves in Time-Varying Magnetic Fields. I. Theory. <i>Journal of Applied Physics</i> , 1969 , 40, 524-536	2.5	43
170	Critical thickness investigation of magnetic properties in exchange-coupled bilayers. <i>Physical Review B</i> , 2011 , 83,	3.3	38
169	Spin Seebeck effect in the antiferromagnet nickel oxide at room temperature. <i>Applied Physics Letters</i> , 2017 , 111, 172405	3.4	36
168	Evidence for a spin-glass behavior in the diluted antiferromagnet $\text{FexZn}_{1-x}\text{F}_2$. <i>Journal of Applied Physics</i> , 1988 , 63, 3755-3757	2.5	36
167	Fundamentals of Magnonics. <i>Lecture Notes in Physics</i> , 2020 ,	0.8	36
166	Dirac-surface-state-dominated spin to charge current conversion in the topological insulator $(\text{Bi}_{0.22}\text{Sb}_{0.78})_2\text{Te}_3$ films at room temperature. <i>Physical Review B</i> , 2017 , 96,	3.3	34
165	Longitudinal spin Seebeck effect in permalloy separated from the anomalous Nernst effect: Theory and experiment. <i>Physical Review B</i> , 2017 , 95,	3.3	32
164	Efficient spin to charge current conversion in the 2D semiconductor MoS_2 by spin pumping from yttrium iron garnet. <i>Applied Physics Letters</i> , 2018 , 112, 242407	3.4	31
163	Thermal properties of magnons and the spin Seebeck effect in yttrium iron garnet/normal metal hybrid structures. <i>Physical Review B</i> , 2014 , 89,	3.3	31
162	Electrical detection of ferromagnetic resonance in single layers of permalloy: Evidence of magnonic charge pumping. <i>Physical Review B</i> , 2015 , 92,	3.3	31
161	Competing spin pumping effects in magnetic hybrid structures. <i>Applied Physics Letters</i> , 2014 , 104, 052403	3.4	30
160	Crossover from random field to spin-glass behavior in $\text{FexZn}_{1-x}\text{F}_2$. <i>Journal of Applied Physics</i> , 1990 , 67, 5243-5245	2.5	30
159	Spin wave amplification in ferromagnetic semiconductors. <i>Physica Status Solidi (B): Basic Research</i> , 1973 , 57, 85-91	1.3	30

158	Characterization of strange attractors in spin-wave chaos. <i>Physical Review B</i> , 1989 , 39, 9448-9452	3.3	29
157	Tunable misalignment of ferromagnetic and antiferromagnetic easy axes in exchange biased bilayers. <i>Applied Physics Letters</i> , 2012 , 100, 242406	3.4	28
156	Ising Criticality in Spin Glasses: Fe _{0.25} Zn _{0.75} F ₂ . <i>Europhysics Letters</i> , 1989 , 8, 383-388	1.6	28
155	Spin Damping in Ultrathin Magnetic Films 2003 , 27-59		28
154	Microscopic model for exchange anisotropy. <i>Physical Review B</i> , 2002 , 65,	3.3	25
153	Magnon diffusion theory for the spin Seebeck effect in ferromagnetic and antiferromagnetic insulators. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 174004	3	24
152	Magnon-phonon interconversion in a dynamically reconfigurable magnetic material. <i>Physical Review B</i> , 2015 , 92,	3.3	24
151	Mode locking of spin waves excited by direct currents in microwave nano-oscillators. <i>Physical Review Letters</i> , 2007 , 98, 087202	7.4	24
150	Magnetoelastic Waves in Time-Varying Magnetic Fields. II. Experiments. <i>Journal of Applied Physics</i> , 1969 , 40, 537-545	2.5	24
149	Thickness dependence of the magnetic anisotropy and dynamic magnetic response of ferromagnetic NiFe films. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 185001	3	23
148	Effective field investigation in arrays of polycrystalline ferromagnetic nanowires. <i>Journal of Applied Physics</i> , 2008 , 103, 07D506	2.5	23
147	Magnetic trilayers with bilinear and biquadratic exchange couplings: Criteria for the measurement of J ₁ and J ₂ . <i>Physical Review B</i> , 1998 , 58, 101-104	3.3	23
146	Enhancement of spin wave excitation by spin currents due to thermal gradient and spin pumping in yttrium iron garnet/Pt. <i>Applied Physics Letters</i> , 2013 , 102, 012401	3.4	22
145	Surface Magnetoimpedance Measurements in Soft-Ferromagnetic Materials. <i>Physica Status Solidi A</i> , 1999 , 173, 135-144		22
144	Biquadratic coupling in sputtered Fe/Cr/Fe still in need of a new mechanism. <i>Journal of Applied Physics</i> , 1999 , 85, 5892-5894	2.5	22
143	Exchange anisotropy and spin-wave damping in CoFe/IrMn bilayers. <i>Journal of Applied Physics</i> , 2003 , 93, 7717-7719	2.5	21
142	Ferromagnetic resonance investigation of the residual coupling in spin-valve systems. <i>Physical Review B</i> , 2005 , 71,	3.3	20
141	Self-oscillations in spin-wave instabilities. <i>Physical Review B</i> , 1992 , 45, 10387-10398	3.3	20

140	Spin-wave theory of the Haldane gap in one-dimensional antiferromagnets. <i>Physical Review B</i> , 1990 , 42, 2589-2590	3.3	20
139	Controlling the relaxation of propagating spin waves in yttrium iron garnet/Pt bilayers with thermal gradients. <i>Physical Review B</i> , 2013 , 87,	3.3	19
138	Magnetization reversal in permalloy ferromagnetic nanowires investigated with magnetoresistance measurements. <i>Physical Review B</i> , 2008 , 78,	3.3	19
137	Field-induced phase transitions in a randomly diluted antiferromagnet. Mean-field description of classical spin model. <i>Physica Status Solidi (B): Basic Research</i> , 1977 , 80, 385-394	1.3	18
136	Thermal properties of magnons in yttrium iron garnet at elevated magnetic fields. <i>Physical Review B</i> , 2015 , 91,	3.3	17
135	Efficient spin transport through polyaniline. <i>Physical Review B</i> , 2017 , 95,	3.3	16
134	Giant spin-charge conversion driven by nanoscopic particles of Ag in Pt. <i>Physical Review B</i> , 2017 , 96,	3.3	16
133	Theory of microwave superradiance from a Bose-Einstein condensate of magnons. <i>Physical Review B</i> , 2009 , 79,	3.3	16
132	Magnetic properties of Fe films epitaxially grown on Cr/GaAs(100) by dc magnetron sputtering. <i>Applied Physics Letters</i> , 1998 , 72, 2760-2762	3.4	16
131	Spin-wave lifetimes in antiferromagnetic RbMnF ₃ . <i>Physical Review B</i> , 1978 , 18, 2346-2349	3.3	16
130	FREQUENCY CONVERSION OF SPIN WAVES IN PULSED MAGNETIC FIELDS. <i>Applied Physics Letters</i> , 1967 , 10, 184-186	3.4	16
129	Stability limit of the antiferromagnetic phase near the spin-flop boundary in MnF ₂ . <i>Physical Review B</i> , 1977 , 16, 1126-1131	3.3	15
128	Spin Seebeck effect in antiferromagnet nickel oxide in wide ranges of temperature and magnetic field. <i>Physical Review B</i> , 2019 , 99,	3.3	14
127	Spin current injection by spin Seebeck and spin pumping effects in yttrium iron garnet/Pt structures. <i>Journal of Applied Physics</i> , 2012 , 111, 07C513	2.5	14
126	Wave function of a microwave-driven Bose-Einstein magnon condensate. <i>Physical Review B</i> , 2010 , 81,	3.3	14
125	Exchange anisotropy determined by magnetic field dependence of ac susceptibility. <i>Journal of Applied Physics</i> , 2003 , 94, 4544-4550	2.5	14
124	Giant transversal magnetoimpedance and Hall-effect measurements in Co _{70.4} Fe _{4.6} Si ₁₅ B ₁₀ . <i>Journal of Applied Physics</i> , 1996 , 79, 6555	2.5	14
123	Dipolar narrowing of ferromagnetic resonance lines. <i>Physical Review B</i> , 1991 , 44, 7062-7065	3.3	14

122	Saturation and coherence properties of three-magnon nonlinear processes. <i>Physical Review B</i> , 1974 , 9, 3074-3076	3.3	14
121	Observation of magnons in Mn ₂ Au films by inelastic Brillouin and Raman light scattering. <i>Applied Physics Letters</i> , 2017 , 111, 192409	3.4	13
120	Measurement dependence of the exchange bias. <i>Journal of Applied Physics</i> , 2000 , 87, 4960-4962	2.5	13
119	Nonlinear microwave absorption in ceramic superconducting Y-Ba-Cu-O. <i>Physical Review B</i> , 1989 , 39, 9715-9718	3.3	13
118	Nuclear Magnons and Nuclear Magnetostatic Modes in MnF ₂ . <i>Physical Review Letters</i> , 1976 , 37, 533-536	7.4	13
117	Exchange-bias phenomena and modeling in nanocrystalline powders of MnO/FeCo and NiO/Fe. <i>Journal of Applied Physics</i> , 2005 , 97, 10K103	2.5	12
116	Domains and giant magneto-impedance in amorphous ribbons by magneto-optical Kerr effect. <i>Journal of Applied Physics</i> , 1996 , 79, 6546	2.5	12
115	Spin-wave auto-oscillations still in need of a good model. <i>Journal of Applied Physics</i> , 1990 , 67, 5624-5626	2.5	12
114	Light scattering in a dilute antiferromagnet : Fe _{1-x} Zn _x F ₂ . <i>Journal of Applied Physics</i> , 1979 , 50, 2033-2035	2.5	12
113	Spin Wave Amplification in Ferromagnetic Semiconductors: Plasma Effects and s-d Interaction. <i>Physica Status Solidi (B): Basic Research</i> , 1974 , 65, 689-697	1.3	12
112	Nonlinear dynamics of three-magnon process driven by ferromagnetic resonance in yttrium iron garnet. <i>Applied Physics Letters</i> , 2015 , 106, 192403	3.4	11
111	Inverse spin Hall effect in the semiconductor (Ga,Mn)As at room temperature. <i>Physical Review B</i> , 2017 , 95,	3.3	11
110	Simultaneous spin pumping and spin Seebeck experiments with thermal control of the magnetic damping in bilayers of yttrium iron garnet and heavy metals: YIG/Pt and YIG/IrMn. <i>Physical Review B</i> , 2017 , 95,	3.3	11
109	High-resolution Brillouin light scattering and angle-dependent 9.4-GHz ferromagnetic resonance in MBE-grown Fe/Cr/Fe on GaAs. <i>Physical Review B</i> , 1997 , 55, 8071-8074	3.3	11
108	Direct detection of induced magnetic moment and efficient spin-to-charge conversion in graphene/ferromagnetic structures. <i>Physical Review B</i> , 2019 , 99,	3.3	10
107	Theory of a two-mode spin torque nanooscillator. <i>Physical Review B</i> , 2007 , 75,	3.3	10
106	Angular dependence of hysteresis shift in oblique deposited ferromagnetic/antiferromagnetic coupled bilayers. <i>Journal of Applied Physics</i> , 2014 , 116, 033910	2.5	9
105	Hysteresis effects in the critical behavior of a d=3 Ising random field system. <i>Journal of Applied Physics</i> , 1984 , 55, 2413-2415	2.5	9

104	Enhanced impurity-induced damping of magnetic modes in FeF ₂ : Mn. <i>Physical Review B</i> , 1984 , 30, 3859-3865	3.3	9
103	Parallel-pumping studies of magnon damping in MnF ₂ . <i>Physical Review B</i> , 1980 , 21, 3015-3026	3.3	9
102	Spin to charge current conversion by the inverse spin Hall effect in the metallic antiferromagnet Mn ₂ Au at room temperature. <i>Physical Review B</i> , 2018 , 98,	3.3	9
101	Interplay between magnetic interactions in spin-valve structures. <i>Journal of Applied Physics</i> , 2006 , 99, 08R506	2.5	8
100	Spin-glass and random-field effects in exchange-biased NiFe film on a NiO single-crystal substrate. <i>Journal of Applied Physics</i> , 2002 , 91, 7754	2.5	8
99	Magnetic properties of Nd/Fe double layers grown on Si(111) by electron beam evaporation. <i>Journal of Applied Physics</i> , 1998 , 83, 4869-4873	2.5	8
98	Spin-wave self-oscillations: Experimental verification of the two-mode origin (invited). <i>Journal of Applied Physics</i> , 1993 , 73, 6805-6810	2.5	8
97	Theory of the response of local magnon modes in antiferromagnets. <i>Physical Review B</i> , 1983 , 27, 3032-3042	3.3	8
96	Raman scattering by magnetic excitations in disordered FeF ₂ . <i>Journal of Raman Spectroscopy</i> , 1981 , 10, 173-177	2.3	8
95	Spin-flop transition in random antiferromagnets. <i>Journal of Physics C: Solid State Physics</i> , 1976 , 9, L403-L408	2.5	8
94	¹⁹ F spin-lattice relaxation in antiferromagnets with the perovskite structure. <i>Journal of Applied Physics</i> , 1979 , 50, 1929-1931	2.5	8
93	Spin Wave Amplification in Ferromagnetic Semiconductors: Magnetoresistance and Non-Ohmic Behavior. <i>Physica Status Solidi (B): Basic Research</i> , 1974 , 66, 395-405	1.3	8
92	Addition and subtraction of spin pumping voltages in magnetic hybrid structures. <i>Applied Physics Letters</i> , 2014 , 104, 152408	3.4	7
91	Magnetic anisotropy of antiferromagnetic RbMnF ₃ . <i>Physical Review B</i> , 2014 , 90,	3.3	7
90	Direct current voltage generated in metallic layers by spin pumping. <i>Journal of Applied Physics</i> , 2011 , 109, 07C910	2.5	7
89	Biquadratic exchange coupling in sputtered Fe/Cr/Fe(100) sandwich structures. <i>Journal of Applied Physics</i> , 1997 , 81, 3791-3793	2.5	7
88	Avaliação da microestrutura e das propriedades magnéticas de ferritas Ni-Zn dopadas com cobre. <i>Cerâmica</i> , 2008 , 54, 55-62	1	7
87	Magnetic-field-induced intermittency in spin-wave experiments. <i>Journal of Applied Physics</i> , 1993 , 73, 6825-6827	2.5	7

86	Phonon-associated relaxation of local magnons in FeF ₂ :Mn. <i>Physical Review B</i> , 1984 , 29, 1638-1646	3.3	7
85	Giant Zeeman shifts in the optical transitions of yttrium iron garnet thin films. <i>Applied Physics Letters</i> , 2016 , 109, 122402	3.4	7
84	Amplification of spin waves by the spin Seebeck effect. <i>Journal of Applied Physics</i> , 2012 , 111, 07D504	2.5	6
83	Irreversibility line in the ferromagnet Co _{70.4} Fe _{4.6} Si ₁₅ B ₁₀ alloy. <i>Journal of Applied Physics</i> , 1991 , 70, 6169-6171	2.5	6
82	Randomly dilute, molecular-field ferro- and antiferromagnet. <i>Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods</i> , 1975 , 30, 335-347		6
81	SPIN-LONGITUDINAL AND SPIN-SHEAR ELASTIC WAVE CONVERSION IN AN AXIALLY MAGNETIZED YIG ROD. <i>Applied Physics Letters</i> , 1970 , 16, 133-135	3.4	6
80	MAGNETOELASTIC WAVES IN PULSED MAGNETIC FIELDS. <i>Applied Physics Letters</i> , 1967 , 11, 24-26	3.4	6
79	GMI in the reentrant spin-glass Fe ₉₀ Zr ₁₀ alloy: Investigation of the spin dynamics in the MHz frequency regime. <i>Applied Physics Letters</i> , 2016 , 109, 102404	3.4	6
78	Unveiling the spin-to-charge current conversion signal in the topological insulator Bi ₂ Se ₃ by means of spin pumping experiments. <i>Physical Review Materials</i> , 2021 , 5,	3.2	6
77	Structure and magnetic properties of hexagonal arrays of ferromagnetic nanowires. <i>Journal of Applied Physics</i> , 2009 , 105, 07B525	2.5	5
76	Theory of Bose-Einstein condensation in a microwave-driven interacting magnon gas. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 164211	1.8	5
75	Mössbauer effect measurements on the spin-glass Fe _{0.25} Zn _{0.75} F ₂ . <i>Hyperfine Interactions</i> , 1990 , 54, 489-492	0.8	5
74	Organizing centers of bifurcations in spin-wave instabilities (invited). <i>Journal of Applied Physics</i> , 1991 , 69, 5430-5435	2.5	5
73	Measurements of Longitudinal Elastic-Wave/Spin-Wave Conversion Efficiencies in an Axially Magnetized YIG Rod. <i>Journal of Applied Physics</i> , 1970 , 41, 1417-1418	2.5	5
72	Thermal control of the spin pumping damping in ferromagnetic/normal metal interfaces. <i>Physical Review B</i> , 2014 , 89,	3.3	4
71	Quantum coherence in spin-torque nano-oscillators. <i>Physical Review B</i> , 2010 , 81,	3.3	4
70	Crossover behavior in the phase transition of the Bose-Einstein condensation in a microwave-driven magnon gas. <i>Physical Review B</i> , 2009 , 80,	3.3	4
69	Spin-wave Theory for the Magnetic Damping in Microwave Nano-Oscillators. <i>Journal of Superconductivity and Novel Magnetism</i> , 2010 , 23, 33-35	1.5	4

68	Brillouin light scattering and ferromagnetic resonance in sputtered NiFe/Cu/NiFe thin films. <i>Journal of Applied Physics</i> , 1997 , 81, 4770-4772	2.5	4
67	Hysteresis modeling of anisotropic and isotropic nanocrystalline hard magnetic films. <i>Journal of Applied Physics</i> , 2003 , 93, 6623-6625	2.5	4
66	Three-layer model for exchange anisotropy. <i>Physical Review B</i> , 2002 , 66,	3.3	4
65	Nonlinear dynamics of spin-injected magnons in magnetic nanostructures. <i>Journal of Applied Physics</i> , 2002 , 91, 8046	2.5	4
64	Observation of mixed-mode oscillations in spin-wave experiments. <i>Journal of Applied Physics</i> , 1999 , 85, 5086-5087	2.5	4
63	Transient and crisis-induced intermittencies in high-power ferromagnetic resonance. <i>Physical Review E</i> , 1995 , 52, 2084-2087	2.4	4
62	Nonlinear dynamics in microwave driven coupled magnetic multilayer systems. <i>Journal of Applied Physics</i> , 1996 , 79, 6309	2.5	4
61	Bifurcations of mode equations: spin waves. <i>Physica D: Nonlinear Phenomena</i> , 1991 , 54, 98-124	3.3	4
60	The antiferromagnetic spin flop boundary in FeF ₂ . <i>Journal of Physics C: Solid State Physics</i> , 1978 , 11, L701-L705	4	
59	Green's-Function Theory of the Parallel-Pumping Magnon Instability. <i>Physical Review B</i> , 1971 , 3, 1771-1773	3.3	4
58	Investigation of large enhancement of spin hall angle in heterostructures of Ag nanoparticles randomly grown in Pt. <i>AIP Advances</i> , 2019 , 9, 035025	1.5	3
57	Magnon-mediated spin currents in Tm ₃ Fe ₅ O ₁₂ /Pt with perpendicular magnetic anisotropy. <i>Applied Physics Letters</i> , 2020 , 117, 122412	3.4	3
56	Rotatable anisotropy on ferromagnetic/antiferromagnetic bilayer investigated by Brillouin light scattering. <i>Journal of Applied Physics</i> , 2018 , 123, 043901	2.5	3
55	Specific heat of the dilute antiferromagnetic system Fe _x Zn _{1-x} F ₂ . <i>Journal of Physics: Conference Series</i> , 2010 , 200, 032069	0.3	3
54	Dual pumping of magnetostatic and spin-wave modes in yttrium-iron-garnet spheres. <i>Journal of Applied Physics</i> , 2003 , 93, 8752-8754	2.5	3
53	Magnetic properties of Ti/Fe double layers grown on MgO(100) by direct current magnetron sputtering. <i>Journal of Applied Physics</i> , 1999 , 85, 4943-4945	2.5	3
52	Raman scattering by phonons in Fe _{1-x} Zn _x F ₂ and Fe _{1-x} Mn _x F ₂ . <i>Physical Review B</i> , 1984 , 30, 3516-3519	3.3	3
51	Light scattering studies of magnon relaxation in NiF ₂ and FeF ₂ :Mn. <i>Physical Review B</i> , 1985 , 31, 570-573	3.3	3

50	Dynamic response of local magnons: Single-impurity limit in one-dimensional magnets. <i>Physical Review B</i> , 1980 , 22, 3325-3330	3.3	3
49	Relaxation rates of nuclear magnons in cubic antiferromagnets. <i>Physical Review B</i> , 1977 , 15, 4497-4505	3.3	3
48	FIELD-INDUCED ANOMALOUS DILATION IN $\text{Fe}_x\text{Zn}_{1-x}\text{F}_2$. <i>Journal De Physique Colloque</i> , 1988 , 49, C8-1241-C8-1242		
47	DYNAMIC SCALING IN THE ISING SPIN GLASS $\text{Fe}_{0.25}\text{Zn}_{0.75}\text{F}_2$. <i>Journal De Physique Colloque</i> , 1988 , 49, C8-1267-C8-1268		3
46	High-resolution electron microscopy in spin pumping NiFe/Pt interfaces. <i>Journal of Applied Physics</i> , 2015 , 117, 17D910	2.5	2
45	Thermal transport in yttrium iron garnet at very high magnetic fields. <i>Physical Review B</i> , 2020 , 101,	3.3	2
44	Spin current detection in antiferromagnetic CuMnAs. <i>Applied Physics Letters</i> , 2019 , 115, 182407	3.4	2
43	Magnon Coherent States and Condensates. <i>Topics in Applied Physics</i> , 2013 , 39-56	0.5	2
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