

P Chris Hammel

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176
papers

6,716
citations

40
h-index

77
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185
ext. papers

7,325
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
176	Cu and O NMR studies of the magnetic properties of YBa ₂ Cu ₃ O _{6.63} (T _c =62 K). <i>Physical Review B</i> , 1991 , 43, 247-257	3.3	622
175	A strong ferroelectric ferromagnet created by means of spin-lattice coupling. <i>Nature</i> , 2010 , 466, 954-8	50.4	586
174	Scaling of spin Hall angle in 3d, 4d, and 5d metals from Y ₃ Fe ₅ O ₁₂ /metal spin pumping. <i>Physical Review Letters</i> , 2014 , 112, 197201	7.4	366
173	Spin dynamics at oxygen sites in YBa ₂ Cu ₃ O ₇ . <i>Physical Review Letters</i> , 1989 , 63, 1992-1995	7.4	362
172	Antiferromagnonic spin transport from Y ₃ Fe ₅ O ₁₂ into NiO. <i>Physical Review Letters</i> , 2014 , 113, 097202	7.4	210
171	Spin susceptibility in superconducting YBa ₂ Cu ₃ O ₇ from ⁶³ Cu Knight shift. <i>Physical Review B</i> , 1989 , 39, 7371-7374	3.3	208
170	¹⁷⁰ Y NMR study of local spin susceptibility in aligned YBa ₂ Cu ₃ O ₇ powder. <i>Physical Review Letters</i> , 1989 , 63, 1865-1868	7.4	159
169	Observation of ferromagnetic resonance in a microscopic sample using magnetic resonance force microscopy. <i>Applied Physics Letters</i> , 1996 , 68, 2005-2007	3.4	138
168	Superconductivity and magnetism in a new class of heavy-fermion materials. <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 226-230, 5-10	2.8	120
167	Systematic variation of spin-orbit coupling with d-orbital filling: Large inverse spin Hall effect in 3d transition metals. <i>Physical Review B</i> , 2014 , 90,	3.3	117
166	Inhomogeneous low frequency spin dynamics in La(1.65)Eu(0.2)Sr(0.15)CuO(4). <i>Physical Review Letters</i> , 2000 , 85, 642-5	7.4	114
165	Anisotropic Cu Knight shift and magnetic susceptibility in the normal state of YBa ₂ Cu ₃ O ₇ . <i>Physical Review B</i> , 1989 , 39, 300-303	3.3	113
164	Anomalous NMR magnetic shifts in CeCoIn ₅ . <i>Physical Review B</i> , 2001 , 64,	3.3	111
163	NMR study of local structure in metallic La ₂ CuO ₄ + delta. <i>Physical Review Letters</i> , 1993 , 71, 440-443	7.4	91
162	Evidence for spiral magnetic order in the heavy fermion material CeRhIn ₅ . <i>Physical Review B</i> , 2000 , 62, R6100-R6103	3.3	89
161	Large spin pumping from epitaxial Y ₃ Fe ₅ O ₁₂ thin films to Pt and W layers. <i>Physical Review B</i> , 2013 , 88,	3.3	87
160	Nanoscale scanning probe ferromagnetic resonance imaging using localized modes. <i>Nature</i> , 2010 , 466, 845-8	50.4	86

159	Magnetic force microscopy of superparamagnetic nanoparticles. <i>Small</i> , 2008 , 4, 270-8	11	84
158	Control of magnetocrystalline anisotropy by epitaxial strain in double perovskite Sr(2)FeMoO(6) films. <i>Physical Review Letters</i> , 2013 , 110, 147204	7.4	83
157	Strain-tunable magnetocrystalline anisotropy in epitaxial Y3Fe5O12 thin films. <i>Physical Review B</i> , 2014 , 89,	3.3	78
156	Magnetic Field Independence of the Spin Gap in YBa2Cu3O7. <i>Physical Review Letters</i> , 1999 , 82, 177-180	7.4	75
155	139La NMR study of phase separation in single-crystal La2CuO4+ delta. <i>Physical Review B</i> , 1990 , 42, 6781-6783	3.3	75
154	Localized holes in superconducting lanthanum cuprate. <i>Physical Review B</i> , 1998 , 57, R712-R715	3.3	74
153	Spin transport in antiferromagnetic insulators mediated by magnetic correlations. <i>Physical Review B</i> , 2015 , 91,	3.3	68
152	Probing the spin pumping mechanism: exchange coupling with exponential decay in Y3Fe5O12/barrier/Pt heterostructures. <i>Physical Review Letters</i> , 2013 , 111, 247202	7.4	67
151	Observation of Cu NMR in antiferromagnetic PrBa2Cu3O7: Evidence for hole-band filling. <i>Physical Review B</i> , 1990 , 42, 2688-2691	3.3	62
150	Fundamental Spin Interactions Underlying the Magnetic Anisotropy in the Kitaev Ferromagnet CrI_{3}. <i>Physical Review Letters</i> , 2020 , 124, 017201	7.4	62
149	Enhancement of Pure Spin Currents in Spin Pumping Y3Fe5O12/Cu/Metal Trilayers through Spin Conductance Matching. <i>Physical Review Applied</i> , 2014 , 1,	4.3	61
148	Spin current and inverse spin Hall effect in ferromagnetic metals probed by Y3Fe5O12-based spin pumping. <i>Applied Physics Letters</i> , 2014 , 104, 202405	3.4	61
147	Histone H3 and H4 N-terminal tails in nucleosome arrays at cellular concentrations probed by magic angle spinning NMR spectroscopy. <i>Journal of the American Chemical Society</i> , 2013 , 135, 15278-81	16.4	59
146	Oxygen ordering and phase separation in La2CuO4+ delta. <i>Physical Review B</i> , 1995 , 52, 15575-15581	3.3	58
145	63Cu NMR and hole depletion in the normal state of yttrium-rich Y1-xPrxBa2Cu3O7. <i>Physical Review B</i> , 1991 , 43, 2989-3001	3.3	58
144	Metallic ferromagnetic films with magnetic damping under 1.4 T. <i>Nature Communications</i> , 2017 , 8, 234	17.4	57
143	Y3Fe5O12 spin pumping for quantitative understanding of pure spin transport and spin Hall effect in a broad range of materials (invited). <i>Journal of Applied Physics</i> , 2015 , 117, 172603	2.5	53
142	Increased low-temperature damping in yttrium iron garnet thin films. <i>Physical Review B</i> , 2017 , 95,	3.3	50

141	Cuprous oxide manometer for high-pressure magnetic resonance experiments. <i>Review of Scientific Instruments</i> , 1992 , 63, 3120-3122	1.7	50
140	Relaxation of Nuclear Magnetization of Liquid He3 in Confined Geometries. <i>Physical Review Letters</i> , 1984 , 52, 1441-1444	7.4	48
139	Origin of fourfold anisotropy in square lattices of circular ferromagnetic dots. <i>Physical Review B</i> , 2006 , 74,	3.3	46
138	Ferromagnetic resonance force microscopy on microscopic cobalt single layer films. <i>Applied Physics Letters</i> , 1998 , 73, 2036-2038	3.4	43
137	Spin susceptibility and low-lying excitations in the Haldane-gap compound Y2BaNiO5. <i>Physical Review B</i> , 1995 , 52, R9835-R9838	3.3	41
136	Off-resonant manipulation of spins in diamond via precessing magnetization of a proximal ferromagnet. <i>Physical Review B</i> , 2014 , 89,	3.3	40
135	Solid-state nuclear-spin quantum computer based on magnetic resonance force microscopy. <i>Physical Review B</i> , 2000 , 61, 14694-14699	3.3	40
134	Ferromagnetic resonance force microscopy studies of arrays of micron size permalloy dots. <i>Physical Review B</i> , 2006 , 74,	3.3	38
133	Imaging mechanisms of force detected FMR microscopy. <i>Journal of Applied Physics</i> , 2000 , 87, 6493-6495	2.5	38
132	¹⁷ O NMR study of YBa ₂ Cu ₃ O _{7-δ} <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 853-856	1.3	38
131	Spin-Hall Topological Hall Effect in Highly Tunable Pt/Ferrimagnetic-Insulator Bilayers. <i>Nano Letters</i> , 2019 , 19, 5683-5688	11.5	36
130	Local ferromagnetic resonance imaging with magnetic resonance force microscopy. <i>Physical Review Letters</i> , 2008 , 100, 197601	7.4	36
129	Abrupt but continuous antiferromagnetic transition in nearly stoichiometric La ₂ CuO ₄ + δ . <i>Physical Review Letters</i> , 1994 , 72, 760-763	7.4	33
128	FMR-driven spin pumping in Y ₃ Fe ₅ O ₁₂ -based structures. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 253001	3	32
127	Theory of spin relaxation in magnetic resonance force microscopy. <i>Applied Physics Letters</i> , 2003 , 82, 1278-1280	3.2	32
126	Spin dynamics in the low-temperature tetragonal phase of δ -doped single crystal La _{1.67} Eu _{0.2} Sr _{0.13} CuO ₄ . <i>Physical Review B</i> , 2000 , 61, R9265-R9268	3.3	32
125	Magnetic resonance force microscopy quantum computer with tellurium donors in silicon. <i>Physical Review Letters</i> , 2001 , 86, 2894-6	7.4	31
124	Probe-sample coupling in the magnetic resonance force microscope. <i>Journal of Magnetic Resonance</i> , 2002 , 154, 210-27	3	29

123	Sub-surface imaging with the magnetic resonance force microscope. <i>Journal of Low Temperature Physics</i> , 1995 , 101, 59-69	1.3	29
122	Magnetic Excitations of the Doped-Hole State in Diamagnetic La ₂ Cu _{0.5} Li _{0.5} O ₄ . <i>Physical Review Letters</i> , 1996 , 77, 2069-2072	7.4	29
121	Efficient Numerical Schemes for Electronic States in Coupled Quantum Dots. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 3695-3709	1.3	28
120	Thermal history-dependent superconductivity and local structure in La ₂ CuO ₄ + δ . <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 212, 317-322	1.3	27
119	Thickness dependence of spin Hall angle of Au grown on Y ₃ Fe ₅ O ₁₂ epitaxial films. <i>Physical Review B</i> , 2016 , 94,	3.3	26
118	Design of a variable temperature scanning force microscope. <i>Review of Scientific Instruments</i> , 2009 , 80, 083704	1.7	26
117	Suppression of Antiferromagnetic Order by Light Hole Doping in La ₂ Cu _{1-x} Li _x O ₄ : A ¹³⁹ La NQR Study. <i>Physical Review Letters</i> , 1998 , 81, 2791-2794	7.4	26
116	Exceptionally high magnetization of stoichiometric Y ₃ Fe ₅ O ₁₂ epitaxial films grown on Gd ₃ Ga ₅ O ₁₂ . <i>Applied Physics Letters</i> , 2016 , 109, 072401	3.4	26
115	Vortex melting in polycrystalline YBa ₂ Cu ₃ O ₇ from ¹⁷ O NMR. <i>Physical Review B</i> , 1997 , 55, R14737-R14740	4.3	25
114	Voltage-driven, local, and efficient excitation of nitrogen-vacancy centers in diamond. <i>Science Advances</i> , 2018 , 4, eaat6574	14.3	25
113	Magnetism of Stripe-Ordered La _{5/3} Sr _{1/3} NiO ₄ . <i>Physical Review Letters</i> , 1999 , 82, 3536-3539	7.4	24
112	Magnetic Coupling between He ³ and F ¹⁹ at Low Temperatures. <i>Physical Review Letters</i> , 1983 , 51, 2124-2127	7.4	24
111	Magnetization reversal in an individual 25 nm iron-filled carbon nanotube. <i>Applied Physics Letters</i> , 2010 , 96, 252505	3.4	23
110	¹³⁹ La NMR evidence for sensitivity of local structure to magnetic field in La _{0.5} Ca _{0.5} MnO ₃ . <i>Physical Review B</i> , 1999 , 60, 9275-9278	3.3	23
109	The effect of spin transport on spin lifetime in nanoscale systems. <i>Nature Nanotechnology</i> , 2014 , 9, 343-347	8.7	21
108	A strong ferroelectric ferromagnet created by means of spin-lattice coupling. <i>Nature</i> , 2011 , 476, 114	50.4	21
107	Sensitivity and spatial resolution for electron-spin-resonance detection by magnetic resonance force microscopy. <i>Journal of Applied Physics</i> , 1996 , 80, 6931-6938	2.5	21
106	Interfacial Rashba-Effect-Induced Anisotropy in Nonmagnetic-Material-Ferrimagnetic-Insulator Bilayers. <i>Physical Review Letters</i> , 2020 , 124, 257202	7.4	20

105	Damping of confined modes in a ferromagnetic thin insulating film: angular momentum transfer across a nanoscale field-defined interface. <i>Physical Review Letters</i> , 2014 , 113, 176601	7.4	20
104	Unexpectedly rapid 19F spin-lattice relaxation in CaF2 below 1 K. <i>Physical Review B</i> , 1987 , 35, 4591-4593	3.3	20
103	Experimental evidence for a glass forming stripe liquid in the magnetic ground state of La1.65Eu0.2Sr0.15CuO4. <i>Physical Review B</i> , 2003 , 68,	3.3	19
102	Local magnetic and structural properties of the low-temperature orthorhombic to low-temperature tetragonal transition: A 139La NQR study in lightly hole-doped La1.8Eu0.2SrxCuO4. <i>Physical Review B</i> , 1999 , 59, R3952-R3955	3.3	19
101	Ultra-narrow ferromagnetic resonance in organic-based thin films grown via low temperature chemical vapor deposition. <i>Applied Physics Letters</i> , 2014 , 105, 012407	3.4	18
100	Temperature dependence of the anisotropy of the planar oxygen nuclear spin-lattice relaxation rate in YBa2Cu3Oy. <i>Physical Review B</i> , 1998 , 57, 11769-11774	3.3	18
99	139La NMR and NQR study of the temperature dependent structure of La2CuO4+ δ . <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 185-189, 1095-1096	1.3	18
98	Spatially resolved detection of complex ferromagnetic dynamics using optically detected nitrogen-vacancy spins. <i>Applied Physics Letters</i> , 2016 , 108, 232409	3.4	18
97	The magnetic-resonance force microscope: a new tool for high-resolution, 3-D, subsurface scanned probe imaging. <i>Proceedings of the IEEE</i> , 2003 , 91, 789-798	14.3	17
96	Local structure of La1.65Eu0.2Sr0.15CuO4 determined by 63Cu NMR spectroscopy and Van Vleck paramagnetism of Eu3+ ions. <i>Physical Review B</i> , 2003 , 67,	3.3	17
95	Copper nuclear quadrupole resonance in GdBa2Cu3O7: Determination of site assignment. <i>Physical Review B</i> , 1988 , 38, 2832-2835	3.3	17
94	Correlation of electrical spin injection and non-linear charge-transport in Fe/MgO/Si. <i>Applied Physics Letters</i> , 2013 , 103, 012402	3.4	16
93	Real time cantilever signal frequency determination using digital signal processing. <i>Journal of Applied Physics</i> , 2007 , 101, 034315	2.5	16
92	Comparative determination of Y3Fe5O12/Pt interfacial spin mixing conductance by spin-Hall magnetoresistance and spin pumping. <i>Applied Physics Letters</i> , 2017 , 110, 062402	3.4	15
91	Molecular packing and magnetic properties of lithium naphthalocyanine crystals: hollow channels enabling permeability and paramagnetic sensitivity to molecular oxygen. <i>Journal of Materials Chemistry</i> , 2009 , 19, 4138-4147		15
90	Magnetic resonance force microscopy with a ferromagnetic tip mounted on the force detector. <i>Solid State Nuclear Magnetic Resonance</i> , 1998 , 11, 65-72	3.1	15
89	Ferromagnetic resonance force microscopy on a thin permalloy film. <i>Applied Physics Letters</i> , 2007 , 90, 234105	3.4	15
88	Phase separation and superconductivity in La2CuO4+ δ —Effects of oxygen diffusion. <i>Journal of Physics and Chemistry of Solids</i> , 1993 , 54, 1393-1402	3.9	15

87	Ferromagnetic resonance imaging of Co films using magnetic resonance force microscopy. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1998 , 16, 2275		14
86	Broadband multi-magnon relaxometry using a quantum spin sensor for high frequency ferromagnetic dynamics sensing. <i>Nature Communications</i> , 2020 , 11, 5229	17.4	14
85	Spin pumping from spinwaves in thin film YIG. <i>Applied Physics Letters</i> , 2015 , 107, 042405	3.4	13
84	Nitrogen-vacancy centres: Nanoscale MRI. <i>Nature Nanotechnology</i> , 2015 , 10, 104-6	28.7	13
83	Detection of localized ferromagnetic resonance in a continuous thin film via magnetic resonance force microscopy. <i>Physical Review B</i> , 2009 , 79,	3.3	12
82	Perturbation of magnetostatic modes observed by ferromagnetic resonance force microscopy. <i>Physical Review B</i> , 2006 , 73,	3.3	12
81	Temperature-dependent magnetic resonance force microscopy studies of a thin Permalloy film. <i>Journal of Applied Physics</i> , 2007 , 101, 074905	2.5	12
80	Unconventional superconductivity in CeIrIn5 and CeCoIn5. <i>Physica B: Condensed Matter</i> , 2002 , 312-313, 7-12	2.8	12
79	NMR study of U(Be,B)13 in the normal and superconducting states. <i>Physical Review B</i> , 1999 , 59, 1432-1443	3.3	12
78	Local microstructure and the cuprate spin gap puzzle. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1996 , 74, 523-528		12
77	Application of a novel rf coil design to the magnetic resonance force microscope. <i>Review of Scientific Instruments</i> , 1996 , 67, 3307-3309	1.7	12
76	Magnetic resonance force microscopy with a permanent magnet on the cantilever. <i>IEEE Transactions on Magnetics</i> , 1997 , 33, 4047-4049	2	11
75	Application of magnetic resonance force microscopy cyclic adiabatic inversion for a single-spin measurement. <i>Journal of Physics A</i> , 2003 , 36, 4417-4432		11
74	¹⁹ F nuclear relaxation at the interface between liquid ³ He and a solid substrate at high field and low temperature. <i>Physical Review B</i> , 1986 , 34, 6543-6545	3.3	11
73	Thickness and angular dependent ferromagnetic resonance of ultra-low damping Co ₂₅ Fe ₇₅ epitaxial films. <i>Applied Physics Letters</i> , 2018 , 113, 262403	3.4	11
72	Optically detected ferromagnetic resonance in diverse ferromagnets via nitrogen vacancy centers in diamond. <i>Journal of Applied Physics</i> , 2019 , 126, 124902	2.5	10
71	Magnetic resonance force detection using a membrane resonator. <i>Journal of Magnetic Resonance</i> , 2016 , 271, 15-20	3	10
70	Magnetization dynamics of cobalt grown on graphene. <i>Journal of Applied Physics</i> , 2014 , 115, 17C510	2.5	10

69	Nuclear relaxation rates at copper and oxygen sites in YBa ₂ Cu ₃ O ₇ . <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 177-178	1.3	10
68	Nuclear spin-lattice relaxation in 3He-. <i>Physical Review B</i> , 1988 , 37, 2281-2284	3.3	10
67	Electron Paramagnetic Resonance of a Single NV Nanodiamond Attached to an Individual Biomolecule. <i>Biophysical Journal</i> , 2016 , 110, 2044-52	2.9	10
66	Nanoscale confined mode ferromagnetic resonance imaging of an individual Ni ₈₁ Fe ₁₉ disk using magnetic resonance force microscopy (invited). <i>Journal of Applied Physics</i> , 2011 , 109, 07D313	2.5	9
65	Normal-state ⁶³ Cu Knight shift and hole-band modification in Y _{1-x} Pr _x Ba ₂ Cu ₃ O ₇ . <i>Journal of Applied Physics</i> , 1990 , 67, 5032-5034	2.5	9
64	Controlling and patterning the effective magnetization in Y ₃ Fe ₅ O ₁₂ thin films using ion irradiation. <i>AIP Advances</i> , 2018 , 8, 056007	1.5	8
63	Experimental and numerical understanding of localized spin wave mode behavior in broadly tunable spatially complex magnetic configurations. <i>Physical Review B</i> , 2014 , 90,	3.3	8
62	Low Temperature Magnetic Resonance Force Microscope: Design and Performance. <i>AIP Conference Proceedings</i> , 2006 ,	0	8
61	Oxygen nuclear magnetic resonance on the 90 K plateau of YBa ₂ Cu ₃ O ₇ - \square <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1996 , 74, 573-578		8
60	NMR determination of the B substitutional site in UBe _{13-x} B _x . <i>Physical Review B</i> , 1993 , 48, 6691-6694	3.3	8
59	NMR studies of oxygen-doped La ₂ CuO ₄ + \square <i>Physica B: Condensed Matter</i> , 1994 , 199-200, 235-238	2.8	8
58	Copper NMR and hole depletion in the normal state of Y _{1-x} Pr _x Ba ₂ Cu ₃ O ₇ . <i>Physica B: Condensed Matter</i> , 1991 , 171, 245-253	2.8	8
57	Imaging interfaces defined by abruptly varying internal magnetic fields by means of scanned nanoscale spin wave modes. <i>Physical Review B</i> , 2015 , 92,	3.3	7
56	Ferromagnetic Resonance Spin Pumping and Electrical Spin Injection in Silicon-Based Metal-Oxide-Semiconductor Heterostructures. <i>Physical Review Letters</i> , 2015 , 115, 246602	7.4	7
55	Structural transitions in a doped lanthanum cuprate. <i>Physical Review B</i> , 2013 , 87,	3.3	7
54	A low temperature NMR probe for use in a dilution refrigerator. <i>Review of Scientific Instruments</i> , 1991 , 62, 2159-2162	1.7	7
53	Spinwave detection by nitrogen-vacancy centers in diamond as a function of probe-sample separation. <i>Applied Physics Letters</i> , 2020 , 116, 202401	3.4	6
52	Long lifetime of thermally excited magnons in bulk yttrium iron garnet. <i>Physical Review B</i> , 2019 , 100,	3.3	6

51	Spin lifetime in small ensembles of electron spins measured by magnetic resonance force microscopy. <i>Physical Review B</i> , 2011 , 84,	3.3	6
50	Quantitative magnetic force microscopy on permalloy dots using an iron filled carbon nanotube probe. <i>Ultramicroscopy</i> , 2011 , 111, 1360-5	3.1	6
49	Magnetic resonance force microscopy studies in a thin permalloy film. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, e941-e943	2.8	6
48	Interplay between freezing and superconductivity in the optimally doped La 1.65 Eu 0.2 Sr 0.15 CuO 4 under hydrostatic pressure. <i>Europhysics Letters</i> , 2004 , 66, 722-728	1.6	6
47	Static Stern-Gerlach effect in magnetic force microscopy. <i>Physical Review A</i> , 2002 , 65,	2.6	6
46	NQR study of local structure and cooling rate-dependent superconductivity in La ₂ CuO ₄ + δ <i>Journal of Applied Physics</i> , 1993 , 73, 6323-6325	2.5	6
45	The magnetic particle in a box: Analytic and micromagnetic analysis of probe-localized spin wave modes. <i>Journal of Applied Physics</i> , 2015 , 117, 17E108	2.5	5
44	Magnetic force microscopy in the presence of a strong probe field. <i>Applied Physics Letters</i> , 2011 , 99, 162514	3.4	5
43	Imaging spin properties using spatially varying magnetic fields. <i>Journal of Applied Physics</i> , 2012 , 111, 013902	2.5	5
42	Spatial characterization of the magnetic field profile of a probe tip used in magnetic resonance force microscopy. <i>Applied Physics Letters</i> , 2008 , 92, 214104	3.4	5
41	Magnetic field independence of Cu(2) NMR spin-lattice relaxation rate in the normal state of optimally doped YBa ₂ Cu ₃ O ₇ - δ <i>Physical Review B</i> , 2001 , 63,	3.3	5
40	Magnetic resonance force microscopy and the solid state quantum computer 2002 , 4656, 1		5
39	Observation of vortex-lattice melting by NMR spin-lattice relaxation in the mixed state. <i>Physical Review B</i> , 1995 , 51, 15355-15358	3.3	5
38	Broadband electron paramagnetic resonance spectroscopy in diverse field conditions using optically detected nitrogen-vacancy centers in diamond. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 305004	3.4	4
37	Nonsinusoidal angular dependence of FMR-driven spin current across an antiferromagnet in Y ₃ Fe ₅ O ₁₂ /NiO/Pt trilayers. <i>Physical Review B</i> , 2019 , 99,	3.3	4
36	Correlating spin transport and electrode magnetization in a graphene spin valve: Simultaneous magnetic microscopy and non-local measurements. <i>Applied Physics Letters</i> , 2015 , 107, 142406	3.4	4
35	Effect of localized magnetic field on the uniform ferromagnetic resonance mode in a thin film. <i>Applied Physics Letters</i> , 2009 , 94, 172508	3.4	4
34	Detection of higher order modulation harmonics in magnetic resonance force microscopy. <i>Journal of Applied Physics</i> , 2007 , 102, 033911	2.5	4

33	Comment on "Order-disorder structural phase transition in $\text{La}_{2-x}\text{Sr}_x\text{Cu}_4$ at 150 K". <i>Physical Review Letters</i> , 1991 , 67, 525	7.4	4
32	Nanofiber-based paramagnetic probes for rapid, real-time biomedical oximetry. <i>Biomedical Microdevices</i> , 2016 , 18, 38	3.7	4
31	Nanoscale imaging of Gilbert damping using signal amplitude mapping. <i>Applied Physics Letters</i> , 2021 , 118, 042403	3.4	4
30	Local measurement of interfacial interactions using ferromagnetic resonance force microscopy. <i>Physical Review B</i> , 2020 , 101,	3.3	3
29	Local magnetic characterization of (Ga,Mn)As continuous thin film using scanning probe force microscopy. <i>Physical Review B</i> , 2012 , 85,	3.3	3
28	Magnetic-resonance force microscopy measurement of entangled spin states. <i>Physical Review A</i> , 2002 , 66,	2.6	3
27	The Cu NMR Echo Decay in Stripe Ordered $\text{La}_{1.65}\text{Eu}_{0.2}\text{Sr}_{0.15}\text{CuO}_4$. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 341-348, 1797-1798	1.3	3
26	Anomalous temperature dependence of Cu NMR line width and magnetization in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 175-176	1.3	3
25	Broadband Optical Detection of Ferromagnetic Resonance From the Organic-Based Ferrimagnet $\text{V}[\text{TCNE}]_x$ Using N-V Centers in Diamond. <i>Physical Review Applied</i> , 2020 , 14,	4.3	3
24	The Magnetic Resonance Force Microscope		3
23	Microscopic studies of nonlocal spin dynamics and spin transport (invited). <i>Journal of Applied Physics</i> , 2015 , 117, 172604	2.5	2
22	Experimental demonstration of scanned spin-precession microscopy. <i>Physical Review Letters</i> , 2013 , 111, 117201	7.4	2
21	Engineering the Spectrum of Dipole Field-Localized Spin-Wave Modes to Enable Spin-Torque Antidamping. <i>Physical Review Applied</i> , 2017 , 7,	4.3	2
20	Anisotropy and Field-Sensing Bandwidth in Self-Biased Bismuth-Substituted Rare-Earth Iron Garnet Films: Measurement by Ferromagnetic Resonance Spectroscopy. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 2899-2902	2	2
19	Light-free magnetic resonance force microscopy for studies of electron spin polarized systems. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 286, 324-328	2.8	2
18	^9Be and ^{11}B NMR study of superconductivity in boron doped UBe_{13} . <i>Physica B: Condensed Matter</i> , 1995 , 206-207, 589-592	2.8	2
17	Enhancing Perpendicular Magnetic Anisotropy in Garnet Ferrimagnet by Interfacing with Few-Layer WTe_2 . <i>Nano Letters</i> , 2022 ,	11.5	2
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15	A versatile LabVIEW and field-programmable gate array-based scanning probe microscope for in operando electronic device characterization. <i>Review of Scientific Instruments</i> , 2014 , 85, 123702	1.7	1
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