

P Chris Hammel

List of Publications by Year in descending order

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61977

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185
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185
docs citations

185
times ranked

6597
citing authors

#	ARTICLE	IF	CITATIONS
1	A strong ferroelectric ferromagnet created by means of spin-lattice coupling. Nature, 2010, 466, 954-958.	27.8	668
2	Cu and O NMR studies of the magnetic properties of YBa ₂ Cu ₃ O _{6.63} (T _c =62 K). Physical Review B, 1991, 43, 247-257.	3.2	647
3	Scaling of Spin Hall Angle in 3d, 4d, and 5d Metals from χ $\frac{d\chi}{dY}$ $\frac{d\chi}{dO}$ χ^2 Physical Review Letters, 2014, 112, 197201.	7.8	440
4	Spin dynamics at oxygen sites in YBa ₂ Cu ₃ O ₇ . Physical Review Letters, 1989, 63, 1992-1995.	7.8	378
5	Antiferromagnonic Spin Transport from χ $\frac{d\chi}{dY}$ $\frac{d\chi}{dO}$ χ^2 NiO. Physical Review Letters, 2014, 113, 097202.	7.8	273
6	Spin susceptibility in superconducting YBa ₂ Cu ₃ O ₇ from Cu ⁶³ Knight shift. Physical Review B, 1989, 39, 7371-7374.	3.2	221
7	A strong ferroelectric ferromagnet created by means of spin-lattice coupling. Nature, 2011, 476, 114-114.	27.8	183
8	O ¹⁷ NMR study of local spin susceptibility in aligned YBa ₂ Cu ₃ O ₇ powder. Physical Review Letters, 1989, 63, 1865-1868.	7.8	168
9	Systematic variation of spin-orbit coupling with d -orbital filling: Large inverse spin Hall effect in d -metals. Physical Review B, 2014, 90, .	3.2	162
10	Observation of ferromagnetic resonance in a microscopic sample using magnetic resonance force microscopy. Applied Physics Letters, 1996, 68, 2005-2007.	3.3	151
11	Fundamental Spin Interactions Underlying the Magnetic Anisotropy in the Kitaev Ferromagnet χ $\frac{d\chi}{dY}$ $\frac{d\chi}{dO}$ χ^2 Physical Review Letters, 2020, 124, 017201.	7.8	132
12	Superconductivity and magnetism in a new class of heavy-fermion materials. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 5-10.	2.3	129
13	Inhomogeneous Low Frequency Spin Dynamics in La _{1.65} Eu _{0.2} Sr _{0.15} CuO ₄ . Physical Review Letters, 2000, 85, 642-645.	7.8	126
14	Anisotropic Cu Knight shift and magnetic susceptibility in the normal state of YBa ₂ Cu ₃ O ₇ . Physical Review B, 1989, 39, 300-303.	3.2	121
15	Anomalous NMR magnetic shifts in CeCoIn ₅ . Physical Review B, 2001, 64, .	3.2	121
16	Magnetic Field Independence of the Spin Gap in YBa ₂ Cu ₃ O ₇ . Physical Review Letters, 1999, 82, 177-180.	7.8	105
17	Large spin pumping from epitaxial Y ₃ Fe ₅ O ₁₂ /Y ₃ Co ₅ O ₁₂ thin films. Physical Review B, 2008, 78, 024412.	3.2	100
18	Strain-tunable magnetocrystalline anisotropy in epitaxial Y ₃ Fe ₅ O ₁₂ /Y ₃ Co ₅ O ₁₂ thin films. Physical Review B, 2014, 89, .	3.2	99

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19	Relaxation of Nuclear Magnetization of LiquidHe3in Confined Geometries. Physical Review Letters, 1984, 52, 1441-1444.	7.8	98
20	Magnetic Force Microscopy of Superparamagnetic Nanoparticles. Small, 2008, 4, 270-278.	10.0	98
21	NMR study of local structure in metallicLa2CuO4+ δ . Physical Review Letters, 1993, 71, 440-443.	7.8	96
22	Nanoscale scanning probe ferromagnetic resonance imaging using localized modes. Nature, 2010, 466, 845-848.	27.8	95
23	Evidence for spiral magnetic order in the heavy fermion materialCeRhIn5. Physical Review B, 2000, 62, R6100-R6103.	3.2	94
24	Spin transport in antiferromagnetic insulators mediated by magnetic correlations. Physical Review B, 2015, 91, .	3.2	94
25	Control of Magnetocrystalline Anisotropy by Epitaxial Strain in Double Perovskite $\text{Sr}_{2-x}\text{Fe}_x\text{MoO}_6$ Physical Review Letters, 2013, 110, 147204.	7.8	92
26	La139NMR study of phase separation in single-crystalLa2CuO4+ δ . Physical Review B, 1990, 42, 6781-6783.	3.2	80
27	Histone H3 and H4 N-Terminal Tails in Nucleosome Arrays at Cellular Concentrations Probed by Magic Angle Spinning NMR Spectroscopy. Journal of the American Chemical Society, 2013, 135, 15278-15281.	13.7	80
28	Spin current and inverse spin Hall effect in ferromagnetic metals probed by Y₃Fe₅O₁₂-based spin pumping. Applied Physics Letters, 2014, 104, 202405.	3.3	78
29	Localized holes in superconducting lanthanum cuprate. Physical Review B, 1998, 57, R712-R715.	3.2	76
30	Probing the Spin Pumping Mechanism: Exchange Coupling with Exponential Decay in O_{12}Pt Heterostructures. Physical Review Letters, 2013, 111, 247202.	7.8	76
31	Metallic ferromagnetic films with magnetic damping under 1.4 $\times 10^{-3}$. Nature Communications, 2017, 8, 234.	12.8	74
32	Increased low-temperature damping in yttrium iron garnet thin films. Physical Review B, 2017, 95, .	3.2	72
33	Enhancement of Pure Spin Currents in Spin Pumping $\text{Y}_3\text{Fe}_5\text{O}_{12}$ Physical Review Applied, 2014, 1, .	3.8	70
34	Observation of Cu NMR in antiferromagneticPrBa2Cu3O7: Evidence for hole-band filling. Physical Review B, 1990, 42, 2688-2691.	3.2	64
35	Cu63NMR and hole depletion in the normal state of yttrium-richY1 \times PrxBa2Cu3O7. Physical Review B, 1991, 43, 2989-3001.	3.2	61
36	Y3Fe5O12 spin pumping for quantitative understanding of pure spin transport and spin Hall effect in a broad range of materials (invited). Journal of Applied Physics, 2015, 117, .	2.5	61

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37	Spin-Hall Topological Hall Effect in Highly Tunable Pt/Ferrimagnetic-Insulator Bilayers. Nano Letters, 2019, 19, 5683-5688.	9.1	61
38	Oxygen ordering and phase separation in La_2CuO_4 . Physical Review B, 1995, 52, 15575-15581.	3.2	60
39	Cuprous oxide manometer for high-pressure magnetic resonance experiments. Review of Scientific Instruments, 1992, 63, 3120-3122.	1.3	58
40	Off-resonant manipulation of spins in diamond via precessing magnetization of a proximal ferromagnet. Physical Review B, 2014, 89, .	3.2	54
41	FMR-driven spin pumping in $\text{Y}_3\text{Fe}_5\text{O}_{12}$ -based structures. Journal Physics D: Applied Physics, 2018, 51, 253001.	2.8	51
42	Origin of fourfold anisotropy in square lattices of circular ferromagnetic dots. Physical Review B, 2006, 74, .	3.2	48
43	Ferromagnetic resonance force microscopy on microscopic cobalt single layer films. Applied Physics Letters, 1998, 73, 2036-2038.	3.3	45
44	Solid-state nuclear-spin quantum computer based on magnetic resonance force microscopy. Physical Review B, 2000, 61, 14694-14699.	3.2	45
45	Local Ferromagnetic Resonance Imaging with Magnetic Resonance Force Microscopy. Physical Review Letters, 2008, 100, 197601.	7.8	44
46	Spin susceptibility and low-lying excitations in the Haldane-gap compound Y_2BaNiO_5 . Physical Review B, 1995, 52, R9835-R9838.	3.2	43
47	Imaging mechanisms of force detected FMR microscopy. Journal of Applied Physics, 2000, 87, 6493-6495.	2.5	43
48	Voltage-driven, local, and efficient excitation of nitrogen-vacancy centers in diamond. Science Advances, 2018, 4, eaat6574.	10.3	42
49	^{17}O NMR study of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. Physica C: Superconductivity and Its Applications, 1989, 162-164, 853-856.	1.2	39
50	Ferromagnetic resonance force microscopy studies of arrays of micron size permalloy dots. Physical Review B, 2006, 74, .	3.2	39
51	Exceptionally high magnetization of stoichiometric $\text{Y}_3\text{Fe}_5\text{O}_{12}$ epitaxial films grown on $\text{Gd}_3\text{Ga}_5\text{O}_{12}$. Applied Physics Letters, 2016, 109, .	3.3	37
52	Abrupt but continuous antiferromagnetic transition in nearly stoichiometric La_2CuO_4 . Physical Review Letters, 1994, 72, 760-763.	7.8	35
53	Spin dynamics in the low-temperature tetragonal phase of $\text{La}_{1.67}\text{Eu}_{0.2}\text{Sr}_{0.13}\text{CuO}_4$. Physical Review B, 2000, 61, R9265-R9268.	3.2	35
54	Theory of spin relaxation in magnetic resonance force microscopy. Applied Physics Letters, 2003, 82, 1278-1280.	3.3	35

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55	Broadband multi-magnon relaxometry using a quantum spin sensor for high frequency ferromagnetic dynamics sensing. Nature Communications, 2020, 11, 5229.	12.8	35
56	Magnetic Resonance Force Microscopy Quantum Computer with Tellurium Donors in Silicon. Physical Review Letters, 2001, 86, 2894-2896.	7.8	34
57	Thickness dependence of spin Hall angle of Al ₃ Y ₃ F ₅ e ₅ O ₁₂ epitaxial	3.2	33
58	Sub-surface imaging with the magnetic resonance force microscope. Journal of Low Temperature Physics, 1995, 101, 59-69.	1.4	32
59	Magnetic Excitations of the Doped-Hole State in Diamagnetic La ₂ Cu _{0.5} Li _{0.5} O ₄ . Physical Review Letters, 1996, 77, 2069-2072.	7.8	32
60	Efficient Numerical Schemes for Electronic States in Coupled Quantum Dots. Journal of Nanoscience and Nanotechnology, 2008, 8, 3695-3709.	0.9	31
61	Design of a variable temperature scanning force microscope. Review of Scientific Instruments, 2009, 80, 083704.	1.3	31
62	Probe of Sample Coupling in the Magnetic Resonance Force Microscope. Journal of Magnetic Resonance, 2002, 154, 210-227.	2.1	30
63	Magnetic Coupling between He ³ and F ¹⁹ at Low Temperatures. Physical Review Letters, 1983, 51, 2124-2127.	7.8	28
64	Interfacial Rashba-Effect-Induced Anisotropy in Nonmagnetic-Material/Ferrimagnetic-Insulator Bilayers. Physical Review Letters, 2020, 124, 257202.	7.8	28
65	Thermal history-dependent superconductivity and local structure in La ₂ CuO ₄ +F. Physica C: Superconductivity and Its Applications, 1993, 212, 317-322.	1.2	27
66	Vortex melting in polycrystalline YBa ₂ Cu ₃ O ₇ from ¹⁷ O NMR. Physical Review B, 1997, 55, R14737-R14740.	3.2	27
67	Suppression of Antiferromagnetic Order by Light Hole Doping in La ₂ Cu _{1-x} Li _x O ₄ : AL ₁₃₉ aNQR Study. Physical Review Letters, 1998, 81, 2791-2794.	7.8	26
68	Magnetization reversal in an individual 25 nm iron-filled carbon nanotube. Applied Physics Letters, 2010, 96, 252505.	3.3	26
69	Sensitivity and spatial resolution for electron spin resonance detection by magnetic resonance force microscopy. Journal of Applied Physics, 1996, 80, 6931-6938.	2.5	24
70	Magnetism of Stripe-Ordered La _{5/3} Sr _{1/3} NiO ₄ . Physical Review Letters, 1999, 82, 3536-3539.	7.8	24
71	¹³⁹ La NMR evidence for sensitivity of local structure to magnetic field in La _{0.5} Ca _{0.5} MnO ₃ . Physical Review B, 1999, 60, 9275-9278.	3.2	24
72	Ultra-narrow ferromagnetic resonance in organic-based thin films grown via low temperature chemical vapor deposition. Applied Physics Letters, 2014, 105, .	3.3	23

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73	Unexpectedly rapid $F19$ spin-lattice relaxation in $CaF2$ below 1 K. <i>Physical Review B</i> , 1987, 35, 4591-4593.	3.2	22
74	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.	7.8	22
75	The effect of spin transport on spin lifetime in nanoscale systems. <i>Nature Nanotechnology</i> , 2014, 9, 343-347.	31.5	22
76	Spatially resolved detection of complex ferromagnetic dynamics using optically detected nitrogen-vacancy spins. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	22
77	Experimental evidence for a glass forming stripe liquid in the magnetic ground state of $La_{1.65}Eu_{0.2}Sr_{0.15}CuO_4$. <i>Physical Review B</i> , 2003, 68, .	3.2	21
78	Copper nuclear quadrupole resonance in $GdBa_2Cu_3O_7$: Determination of site assignment. <i>Physical Review B</i> , 1988, 38, 2832-2835.	3.2	20
79	Temperature dependence of the anisotropy of the planar oxygen nuclear spin-lattice relaxation rate in $YBa_2Cu_3O_y$. <i>Physical Review B</i> , 1998, 57, 11769-11774.	3.2	20
80	^{139}La NMR and NQR study of the temperature dependent structure of $La_2CuO_4 + \delta$. <i>Physica C: Superconductivity and Its Applications</i> , 1991, 185-189, 1095-1096.	1.2	19
81	Local magnetic and structural properties of the low-temperature orthorhombic to low-temperature tetragonal transition: ^{139}La NQR study in lightly hole-doped $La_{1.8}xEu_{0.2}Sr_xCuO_4$. <i>Physical Review B</i> , 1999, 59, R3952-R3955.	3.2	19
82	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.	6.7	19
83	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.	21.3	18
84	Real time cantilever signal frequency determination using digital signal processing. <i>Journal of Applied Physics</i> , 2007, 101, 034315.	2.5	18
85	Comparative determination of $Y_3Fe_5O_{12}/Pt$ interfacial spin mixing conductance by spin-Hall magnetoresistance and spin pumping. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	18
86	Long lifetime of thermally excited magnons in bulk yttrium iron garnet. <i>Physical Review B</i> , 2019, 100, .	3.2	18
87	Magnetic resonance force microscopy with a ferromagnetic tip mounted on the force detector. <i>Solid State Nuclear Magnetic Resonance</i> , 1998, 11, 65-72.	2.3	17
88	Local structure of $La_{1.65}Eu_{0.2}Sr_{0.15}CuO_4$ determined by ^{63}Cu NMR spectroscopy and Van Vleck paramagnetism of Eu^{3+} ions. <i>Physical Review B</i> , 2003, 67, .	3.2	17
89	Correlation of electrical spin injection and non-linear charge-transport in $Fe/MgO/Si$. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	17
90	Spin pumping from spinwaves in thin film YIG. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	17

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91	Optically detected ferromagnetic resonance in diverse ferromagnets via nitrogen vacancy centers in diamond. Journal of Applied Physics, 2019, 126, .	2.5	17
92	Phase separation and superconductivity in La ₂ CuO ₄ +δ: Effects of oxygen diffusion. Journal of Physics and Chemistry of Solids, 1993, 54, 1393-1402.	4.0	16
93	Ferromagnetic resonance force microscopy on a thin permalloy film. Applied Physics Letters, 2007, 90, 234105.	3.3	16
94	Unconventional superconductivity in CeIrIn ₅ and CeCoIn ₅ . Physica B: Condensed Matter, 2002, 312-313, 7-12.	2.7	15
95	Experimental and numerical understanding of localized spin wave mode behavior in broadly tunable spatially complex magnetic configurations. Physical Review B, 2014, 90, .	3.2	15
96	Nanoscale MRI. Nature Nanotechnology, 2015, 10, 104-106.	31.5	15
97	Ferromagnetic resonance imaging of Co films using magnetic resonance force microscopy. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1998, 16, 2275.	1.6	14
98	Thickness and angular dependent ferromagnetic resonance of ultra-low damping Co ₂₅ Fe ₇₅ epitaxial films. Applied Physics Letters, 2018, 113, .	3.3	14
99	¹⁹ F nuclear relaxation at the interface between liquid He ₃ and a solid substrate at high field and low temperature. Physical Review B, 1986, 34, 6543-6545.	3.2	13
100	Temperature-dependent magnetic resonance force microscopy studies of a thin Permalloy film. Journal of Applied Physics, 2007, 101, 074905.	2.5	13
101	Detection of localized ferromagnetic resonance in a continuous thin film via magnetic resonance force microscopy. Physical Review B, 2009, 79, .	3.2	13
102	Local microstructure and the cuprate spin gap puzzle. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1996, 74, 523-528.	0.6	12
103	Application of a novel rf coil design to the magnetic resonance force microscope. Review of Scientific Instruments, 1996, 67, 3307-3309.	1.3	12
104	Magnetic resonance force microscopy with a permanent magnet on the cantilever. IEEE Transactions on Magnetics, 1997, 33, 4047-4049.	2.1	12
105	NMR study of U(Be ₂ B) ₁₃ in the normal and superconducting states. Physical Review B, 1999, 59, 1432-1443.	3.2	12
106	Perturbation of magnetostatic modes observed by ferromagnetic resonance force microscopy. Physical Review B, 2006, 73, .	3.2	12
107	Magnetization dynamics of cobalt grown on graphene. Journal of Applied Physics, 2014, 115, .	2.5	12
108	Electron Paramagnetic Resonance of a Single NV Nanodiamond Attached to an Individual Biomolecule. Biophysical Journal, 2016, 110, 2044-2052.	0.5	12

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109	Spinwave detection by nitrogen-vacancy centers in diamond as a function of probe-sample separation. Applied Physics Letters, 2020, 116, .	3.3	12
110	Application of magnetic resonance force microscopy cyclic adiabatic inversion for a single-spin measurement. Journal of Physics A, 2003, 36, 4417-4432.	1.6	11
111	Magnetic resonance force detection using a membrane resonator. Journal of Magnetic Resonance, 2016, 271, 15-20.	2.1	11
112	Nuclear spin-lattice relaxation in ^3He - ^4He mixtures. Physical Review B, 1988, 37, 2281-2284.	3.2	10
113	Nuclear relaxation rates at copper and oxygen sites in $\text{YBa}_2\text{Cu}_3\text{O}_7$. Physica C: Superconductivity and Its Applications, 1989, 162-164, 177-178.	1.2	10
114	Nanoscale confined mode ferromagnetic resonance imaging of an individual Ni_81Fe_19 disk using magnetic resonance force microscopy (invited). Journal of Applied Physics, 2011, 109, 07D313.	2.5	10
115	Ferromagnetic Resonance Spin Pumping and Electrical Spin Injection in Silicon-Based Metal-Oxide-Semiconductor Heterostructures. Physical Review Letters, 2015, 115, 246602.	7.8	10
116	Controlling and patterning the effective magnetization in $\text{Y}_3\text{Fe}_5\text{O}_{12}$ thin films using ion irradiation. AIP Advances, 2018, 8, .	1.3	10
117	Normal-state ^{63}Cu Knight shift and hole-band modification in $\text{Y}_{1-x}\text{Pr}_x\text{Ba}_2\text{Cu}_3\text{O}_7$. Journal of Applied Physics, 1990, 67, 5032-5034.	2.5	9
118	A low temperature NMR probe for use in a dilution refrigerator. Review of Scientific Instruments, 1991, 62, 2159-2162.	1.3	9
119	Oxygen nuclear magnetic resonance on the 90 K plateau of $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1996, 74, 573-578.	0.6	9
120	Low Temperature Magnetic Resonance Force Microscope: Design and Performance. AIP Conference Proceedings, 2006, , .	0.4	9
121	Copper NMR and hole depletion in the normal state of $\text{Y}_{1-x}\text{Pr}_x\text{Ba}_2\text{Cu}_3\text{O}_7$. Physica B: Condensed Matter, 1991, 171, 245-253.	2.7	8
122	NMR determination of the B substitutional site in $\text{LiBe}_{13-x}\text{B}_x$. Physical Review B, 1993, 48, 6691-6694.	3.2	8
123	NMR studies of oxygen-doped $\text{La}_2\text{CuO}_4 + \delta$. Physica B: Condensed Matter, 1994, 199-200, 235-238.	2.7	8
124	Seeing single spins. Nature, 2004, 430, 300-301.	27.8	8
125	Quantitative magnetic force microscopy on permalloy dots using an iron filled carbon nanotube probe. Ultramicroscopy, 2011, 111, 1360-1365.	1.9	8
126	Nonsinusoidal angular dependence of FMR-driven spin current across an antiferromagnet in $\text{Y}_3\text{Fe}_5\text{O}_{12}$. F_e O_{12}	3.2	8

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127	NQR study of local structure and cooling rate-dependent superconductivity in La_2CuO_4 . Journal of Applied Physics, 1993, 73, 6323-6325.	2.5	7
128	Interplay between freezing and superconductivity in the optimally doped $\text{La}_{1.65}\text{Eu}_{0.2}\text{Sr}_{0.15}\text{CuO}_4$ under hydrostatic pressure. Europhysics Letters, 2004, 66, 722-728.	2.0	7
129	Structural transitions in a doped lanthanum cuprate. Physical Review B, 2013, 87, .	3.2	7
130	Imaging interfaces defined by abruptly varying internal magnetic fields by means of scanned nanoscale spin wave modes. Physical Review B, 2015, 92, .	3.2	7
131	The magnetic particle in a box: Analytic and micromagnetic analysis of probe-localized spin wave modes. Journal of Applied Physics, 2015, 117, 17E108.	2.5	7
132	Broadband electron paramagnetic resonance spectroscopy in diverse field conditions using optically detected nitrogen-vacancy centers in diamond. Journal Physics D: Applied Physics, 2019, 52, 305004.	2.8	7
133	Nonlocal Uniform-Mode Ferromagnetic Resonance Spin Pumping. Nano Letters, 2020, 20, 7257-7262.	9.1	7
134	Enhancing Perpendicular Magnetic Anisotropy in Garnet Ferrimagnet by Interfacing with Few-Layer WTe_2 . Nano Letters, 2022, 22, 1115-1121.	9.1	7
135	Comment on "Order-disorder structural phase transition in $\text{La}_{2-x}\text{Sr}_x\text{Cu}_4$ at 150 K". Physical Review Letters, 1991, 67, 525-525.	7.8	6
136	Static Stern-Gerlach effect in magnetic force microscopy. Physical Review A, 2002, 65, .	2.5	6
137	Magnetic resonance force microscopy studies in a thin permalloy film. Journal of Magnetism and Magnetic Materials, 2007, 310, e941-e943.	2.3	6
138	Spatial characterization of the magnetic field profile of a probe tip used in magnetic resonance force microscopy. Applied Physics Letters, 2008, 92, 214104.	3.3	6
139	Nanoscale MRI. Nature, 2009, 458, 844-845.	27.8	6
140	Spin lifetime in small ensembles of electron spins measured by magnetic resonance force microscopy. Physical Review B, 2011, 84, .	3.2	6
141	Magnetic force microscopy in the presence of a strong probe field. Applied Physics Letters, 2011, 99, 162514.	3.3	6
142	Nanoscale imaging of Gilbert damping using signal amplitude mapping. Applied Physics Letters, 2021, 118, .	3.3	6
143	Observation of vortex-lattice melting by NMR spin-lattice relaxation in the mixed state. Physical Review B, 1995, 51, 15355-15358.	3.2	5
144	Magnetic field independence of $\text{Cu}(2)$ NMR spin-lattice relaxation rate in the normal state of optimally doped $\text{YBa}_2\text{Cu}_3\text{O}_7$. Physical Review B, 2001, 63, .	3.2	5

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145	<title>Magnetic resonance force microscopy and the solid state quantum computer</title>. , 2002, 4656, 1.		5
146	Detection of higher order modulation harmonics in magnetic resonance force microscopy. Journal of Applied Physics, 2007, 102, .	2.5	5
147	Effect of localized magnetic field on the uniform ferromagnetic resonance mode in a thin film. Applied Physics Letters, 2009, 94, .	3.3	5
148	Imaging spin properties using spatially varying magnetic fields. Journal of Applied Physics, 2012, 111, 013902.	2.5	5
149	Correlating spin transport and electrode magnetization in a graphene spin valve: Simultaneous magnetic microscopy and non-local measurements. Applied Physics Letters, 2015, 107, 142406.	3.3	5
150	Nanofiber-based paramagnetic probes for rapid, real-time biomedical oximetry. Biomedical Microdevices, 2016, 18, 38.	2.8	5
151	Engineering the Spectrum of Dipole Field-Localized Spin-Wave Modes to Enable Spin-Torque Antidamping. Physical Review Applied, 2017, 7, .	3.8	5
152	Broadband Optical Detection of Ferromagnetic Resonance From the Organic-Based Ferrimagnet V[TCNE] $\langle i \rangle \langle sub \rangle x \langle /sub \rangle \langle /i \rangle$ Using N- $\langle i \rangle V \langle /i \rangle$ Centers in Diamond. Physical Review Applied, 2020, 14, .	3.8	5
153	Origin of Nonlinear Damping Due to Mode Coupling in Auto-Oscillatory Modes Strongly Driven by Spin-Orbit Torque. Physical Review Applied, 2022, 17, .	3.8	5
154	The Cu NMR Echo Decay in Stripe Ordered La _{1.65} Eu _{0.2} Sr _{0.15} CuO ₄ . Physica C: Superconductivity and Its Applications, 2000, 341-348, 1797-1798.	1.2	4
155	Light-free magnetic resonance force microscopy for studies of electron spin polarized systems. Journal of Magnetism and Magnetic Materials, 2005, 286, 324-328.	2.3	4
156	Microscopic studies of nonlocal spin dynamics and spin transport (invited). Journal of Applied Physics, 2015, 117, .	2.5	4
157	Local measurement of interfacial interactions using ferromagnetic resonance force microscopy. Physical Review B, 2020, 101, .	3.2	4
158	Anomalous temperature dependence of Cu NMR line width and magnetization in YBa ₂ Cu ₃ O _{7-δ} . Physica C: Superconductivity and Its Applications, 1989, 162-164, 175-176.	1.2	3
159	Magnetic-resonance force microscopy measurement of entangled spin states. Physical Review A, 2002, 66, .	2.5	3
160	Local magnetic characterization of (Ga,Mn)As continuous thin film using scanning probe force microscopy. Physical Review B, 2012, 85, .	3.2	3
161	⁹ Be and ¹¹ B NMR study of superconductivity in boron doped UBe ₁₃ . Physica B: Condensed Matter, 1995, 206-207, 589-592.	2.7	2
162	Experimental Demonstration of Scanned Spin-Precession Microscopy. Physical Review Letters, 2013, 111, 117201.	7.8	2

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163	Anisotropy and Field-Sensing Bandwidth in Self-Biased Bismuth-Substituted Rare-Earth Iron Garnet Films: Measurement by Ferromagnetic Resonance Spectroscopy. IEEE Transactions on Magnetics, 2013, 49, 2899-2902.	2.1	2
164	A versatile LabVIEW and field-programmable gate array-based scanning probe microscope for in operando electronic device characterization. Review of Scientific Instruments, 2014, 85, 123702.	1.3	2
165	Spin-Orbit Torque Nano-oscillators by Dipole-Field-Localized Spin Wave Modes. Nano Letters, 2021, 21, 10208-10214.	9.1	2
166	Fabrication of 0.25 μ m metal particles. Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1981, 107, 611-612.	0.9	1
167	Relaxation of Nuclear Magnetization of Liquid He-3 in Confined Geometries. Physical Review Letters, 1984, 53, 1027-1027.	7.8	1
168	Future probes in materials science. Physica B: Condensed Matter, 2002, 318, 12-23.	2.7	1
169	Manipulating spins by cantilever synchronized frequency modulation: A variable resolution magnetic resonance force microscope. Applied Physics Letters, 2008, 93, 012506.	3.3	1
170	Dual-frequency ferromagnetic resonance to measure spin current coupling in multilayers. , 2014, , .		1
171	The Magnetic Resonance Force Microscope. , 1998, , 441-462.		1
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