John B Ketterson

List of Publications by Year
in descending order

204 papers	5,681 citations	109264 35 h-index	85498 71 g-index
208 all docs	208 docs citations	208 times ranked	6620 citing authors

#	Article	IF	Citations
1	Hybrid Germanium Iodide Perovskite Semiconductors: Active Lone Pairs, Structural Distortions, Direct and Indirect Energy Gaps, and Strong Nonlinear Optical Properties. Journal of the American Chemical Society, 2015, 137, 6804-6819.	6.6	710
2	Photoluminescence and ultraviolet lasing of polycrystalline ZnO thin films prepared by the oxidation of the metallic Zn. Applied Physics Letters, 1999, 75, 2761-2763.	1.5	516
3	Room-temperature ferromagnetism in Cu-doped ZnO thin films. Applied Physics Letters, 2005, 87, 082504.	1.5	362
4	Asymmetric Flux Pinning in a Regular Array of Magnetic Dipoles. Physical Review Letters, 1998, 80, 3614-3617.	2.9	278
5	Ultrafast switching of tunable infrared plasmons in indium tin oxide nanorod arrays with large absolute amplitude. Nature Photonics, 2016, 10, 267-273.	15.6	247
6	Xâ€ray diffraction study of a Langmuir monolayer of C21H43OH. Journal of Chemical Physics, 1988, 89, 2257-2270.	1.2	151
7	The effect of hydrogen on the formation of carbon nanotubes and fullerenes. Journal of Materials Research, 1995, 10, 1977-1983.	1.2	119
8	Magnetization of compositionally modulated CuNi films. Applied Physics Letters, 1981, 38, 424-426.	1.5	104
9	Ferromagnetic resonance in periodic particle arrays. Physical Review B, 2002, 66, .	1.1	95
10	All-electrical manipulation of magnetization dynamics in a ferromagnet by antiferromagnets with anisotropic spin Hall effects. Physical Review B, 2015, 92, .	1.1	95
11	Large secondâ€harmonic response of C60thin films. Applied Physics Letters, 1992, 60, 810-812.	1.5	90
12	Large optical nonlinearity of ITO nanorods for sub-picosecond all-optical modulation of the full-visible spectrum. Nature Communications, 2016, 7, 12892.	5.8	88
13	Anomalous Hall effect in (110)Fe/(110)Cr multilayers. Applied Physics Letters, 1991, 59, 479-481.	1.5	85
14	Large second harmonic response in ZnO thin films. Applied Physics Letters, 2002, 80, 401-403.	1.5	79
15	Research Update: Spin transfer torques in permalloy on monolayer MoS2. APL Materials, 2016, 4, .	2.2	75
16	Controlled Magnetic Reversal in Permalloy Films Patterned into Artificial Quasicrystals. Physical Review Letters, 2013, 111, 077201.	2.9	73
17	Magnetic susceptibility of buckytubes. Journal of Materials Research, 1994, 9, 1578-1582.	1.2	72
18	Dynamic response of an artificial square spin ice. Physical Review B, 2016, 93, .	1.1	71

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19	Cross-plane coherent acoustic phonons in two-dimensional organic-inorganic hybrid perovskites. Nature Communications, 2018, 9, 2019.	5.8	71
20	Large Spin-Wave Bullet in a Ferrimagnetic Insulator Driven by the Spin Hall Effect. Physical Review Letters, 2016, 116, 057601.	2.9	66
21	Interface-driven spin-torque ferromagnetic resonance by Rashba coupling at the interface between nonmagnetic materials. Physical Review B, 2016, 93, .	1.1	65
22	Magnetization reversal in the anisotropy-dominated regime using time-dependent magnetic fields. Applied Physics Letters, 2006, 89, 252507.	1.5	54
23	Hyperbolic Dispersion Arising from Anisotropic Excitons in Two-Dimensional Perovskites. Physical Review Letters, 2018, 121, 127401.	2.9	51
24	Spin waves in micro-structured yttrium iron garnet nanometer-thick films. Journal of Applied Physics, 2015, 117, .	1.1	50
25	Driving and detecting ferromagnetic resonance in insulators with the spin Hall effect. Physical Review B, 2015, 92, .	1.1	48
26	Spin pumping and inverse spin Hall effectsâ€”Insights for future spin-orbitronics (invited). Journal of Applied Physics, 2015, 117, .	1.1	47
27	Polar Fluctuations in Metal Halide Perovskites Uncovered by Acoustic Phonon Anomalies. ACS Energy Letters, 2017, 2, 2463-2469.	8.8	47
28	A note on compositionally modulated Cuâ€Ni films with latticeâ€commensurate wavelengths. Applied Physics Letters, 1981, 38, 992-994.	1.5	46
29	Surface phonons in Cu/Ni superlattices. Journal of Applied Physics, 1990, 67, 2873-2877.	1.1	45
30	Perspective: Interface generation of spin-orbit torques. Journal of Applied Physics, 2016, 120, .	1.1	42
31	Possibility of obtaining coherent radiation from a solid state undulator. Journal of Applied Physics, 1986, 60, 177-188.	1.1	39
32	Nonlinear Shear Response and Anomalous Pressure Dependence of Viscosity in a Langmuir Monolayer. Langmuir, 1997, 13, 5137-5140.	1.6	39
33	Effect of oxygen partial pressure on theinsitugrowth of Yâ€Baâ€Cuâ€O thin films on SrTiO3. Applied Physics Letters, 1991, 59, 231-233.	1.5	38
34	Spin transport through the metallic antiferromagnet FeMn. Physical Review B, 2016, 94, .	1.1	38
35	Ultra-sharp plasmonic resonances from monopole optical nanoantenna phased arrays. Applied Physics Letters, 2014, 104, .	1.5	37
36	Resonant modes of dipole-coupled lattices. Physical Review B, 2004, 70, .	1.1	35

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37	Growth ofnâ€type heteroepitaxial films of gray tin on (001)â€‰CdTe by molecular beam epitaxy. Applied Physics Letters, 1989, 54, 1010-1012.	1.5	34
38	Second order optical nonlinearities of radio frequency sputterâ€deposited AlN thin films. Applied Physics Letters, 1993, 63, 2875-2877.	1.5	34
39	Ferromagnetic resonance study of nanoscale ferromagnetic ring lattices. Journal of Applied Physics, 2004, 95, 6645-6647.	1.1	34
40	V/Fe compositionâ€modulated structures. Journal of Applied Physics, 1984, 55, 2494-2496.	1.1	31
41	Propagation and generation of Josephson radiation in superconductor/insulator superlattices. Journal of Applied Physics, 1987, 61, 1957-1966.	1.1	31
42	A new ultrasonic method for measuring elastic moduli in unsupported thin films: Application to Cuâ€Pd superlattices. Journal of Applied Physics, 1990, 68, 1622-1628.	1.1	31
43	Scanning plasmon optical microscope. Applied Physics Letters, 1995, 66, 3407-3409.	1.5	31
44	Phase-matched optical second-harmonic generation in GaN and AlN slab waveguides. Journal of Applied Physics, 1999, 85, 2497-2501.	1.1	31
45	Mutual influence between macrospin reversal order and spin-wave dynamics in isolated artificial spin-ice vertices. Physical Review B, 2018, 97, .	1.1	30
46	Ultraviolet second harmonic generation in radioâ€frequency sputterâ€deposited aluminum nitride thin films. Applied Physics Letters, 1994, 65, 1085-1087.	1.5	29
47	Optical second-harmonic generation in sputter-deposited AlN films. Journal of Applied Physics, 1998, 84, 5922-5927.	1.1	29
48	Versatile pulsed rf heterodyne spectrometer. Review of Scientific Instruments, 1981, 52, 1509-1516.	0.6	28
49	Detection of ultrasound using a tunneling microscope. Journal of Applied Physics, 1992, 72, 861-864.	1.1	28
50	Surfactantâ€driven spreading of a liquid on a vertical surface. Physics of Fluids, 1995, 7, 2640-2647.	1.6	28
51	Anomalous critical current in double-barrier Nb/Alâ€“AlOxâ€“Alâ€“AlOxâ€“Nb devices. Applied Physics Letters, 1999, 74, 1624-1626.	1.5	26
52	Slow thermal equilibration in methylammonium lead iodide revealed by transient mid-infrared spectroscopy. Nature Communications, 2018, 9, 2792.	5.8	25
53	Infrared-pump electronic-probe of methylammonium lead iodide reveals electronically decoupled organic and inorganic sublattices. Nature Communications, 2019, 10, 482.	5.8	25
54	Unidirectional spin-torque driven magnetization dynamics. Physical Review B, 2017, 95, .	1.1	24

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55	Dual electron beam evaporator for the preparation of compositionâ€modulated structures. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1984, 2, 1-4.	0.9	23
56	Anomalous transport properties of a new compositionally modulated semiconductorâ€“semimetal system: PbTeâ€“Bi. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1984, 2, 296-299.	0.9	23
57	Observation of quantum size effect in the resistivity of thin, gray tin epilayers. Applied Physics Letters, 1989, 55, 1327-1329.	1.5	23
58	Magnetotransport studies of epitaxial Cr thin films. Journal of Applied Physics, 1990, 67, 4889-4891.	1.1	23
59	Apparatus to measure the shear modulus of Langmuir monolayers as functions of strain amplitude and frequency. Review of Scientific Instruments, 1997, 68, 1792-1795.	0.6	23
60	Hâ^Tphase diagram ofURu2Si2in high magnetic fields. Physical Review B, 2003, 68, .	1.1	23
61	Fabrication of bismuth nanowires with a silver nanocrystal shadowmask. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2000, 18, 1326-1328.	0.9	22
62	Dynamic magnetic response of infinite arrays of ferromagnetic particles. Physical Review B, 2007, 75, .	1.1	22
63	Strongly localized magnetization modes in permalloy antidot lattices. Applied Physics Letters, 2013, 102, .	1.5	22
64	Influence of the Vertex Region on Spin Dynamics in Artificial Kagome Spin Ice. Physical Review Applied, 2020, 14, .	1.5	22
65	Critical field measurements in superconductors using ac inductive techniques. Review of Scientific Instruments, 1983, 54, 1191-1198.	0.6	21
66	Spin Hall effects in metallic antiferromagnets â€“ perspectives for future spin-orbitronics. AIP Advances, 2016, 6, .	0.6	21
67	Switching spin valves using rf currents. Applied Physics Letters, 2006, 88, 192515.	1.5	20
68	Broadband ferromagnetic resonance studies on an artificial square spin-ice island array. Journal of Applied Physics, 2013, 113, .	1.1	20
69	Ferromagnetic resonance study of eightfold artificial ferromagnetic quasicrystals. Journal of Applied Physics, 2014, 115, .	1.1	20
70	Angular-dependent spin dynamics of a triad of permalloy macrospins. Physical Review B, 2019, 99, .	1.1	19
71	Quantitative mobility spectrum analysis (QMSA) for hall characterization of electrons and holes in anisotropic bands. Journal of Electronic Materials, 1999, 28, 548-552.	1.0	18
72	Surface plasmon scanning near-field optical microscopy. Journal of Applied Physics, 1997, 82, 5411-5415.	1.1	17

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73	Electronic and magnetic properties of MnSnAs2. Physica Status Solidi (B): Basic Research, 2004, 241, 1462-1465.	0.7	17
74	Fiberâ€optic detection system for capillary waves: An apparatus for studying liquid surfaces and spread monolayers. Review of Scientific Instruments, 1991, 62, 2959-2962.	0.6	16
75	Microscopic study of magnetostatic spin waves. Journal of Applied Physics, 2005, 97, 10E309.	1.1	16
76	Highly efficient broadband second harmonic generation using polydomain epitaxial barium titanate thin film waveguides. Applied Physics Letters, 2008, 92, .	1.5	16
77	Ferromagnetic resonance spectra of permalloy nano-ellipses as building blocks for complex magnonic lattices. Journal of Applied Physics, 2019, 126, .	1.1	16
78	Ferroelectricity and coherent phonon generation in piezoelectric compositionâ€modulated structures. Journal of Applied Physics, 1982, 53, 6834-6838.	1.1	15
79	A numerical study of optical second-harmonic generation in a one-dimensional photonic structure. Applied Physics Letters, 1999, 75, 1676-1678.	1.5	15
80	Hysteretic characteristics of low-field microwave absorption of a Co thin film. Journal of Applied Physics, 2009, 106, .	1.1	15
81	Direct Observation of Bandgap Oscillations Induced by Optical Phonons in Hybrid Lead Iodide Perovskites. Advanced Functional Materials, 2020, 30, 1907982.	7.8	15
82	Elastic and nanostructural properties of Cu/Pd superlattices. Journal of Materials Research, 1992, 7, 1356-1369.	1.2	14
83	Epitaxial stabilization of orthorhombic cuprous oxide films on MgO(110). Journal of Materials Research, 2001, 16, 914-921.	1.2	14
84	Phase relationships in Cuâ€O thin films prepared by sputtering. Applied Physics Letters, 1991, 59, 3174-3176.	1.5	13
85	Superconducting tunnel junction base electrode planarization. Journal of Applied Physics, 1998, 84, 364-367.	1.1	13
86	Angular radiation pattern of electric dipoles embedded in a thin film in the vicinity of a dielectric half space. Applied Physics Letters, 2006, 89, 031119.	1.5	13
87	Generating wave vector specific Damon-Eshbach spin waves in Py using a diffraction grating. Applied Physics Letters, 2012, 101, 052404.	1.5	13
88	Magnetic response of aperiodic wire networks based on Fibonacci distortions of square antidot lattices. Journal of Applied Physics, 2015, 117, .	1.1	13
89	New technique for excitation of bulk and surface spin waves in ferromagnets. Journal of Applied Physics, 1985, 58, 1935-1942.	1.1	12
90	Apparatus with an elastic barrier for radial compression of liquid supported monolayers. Review of Scientific Instruments, 1992, 63, 1822-1825.	0.6	12

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91	Highly efficient nonresonant two-photon absorption in ZnO pellets. Applied Physics Letters, 2008, 93, .	1.5	12
92	Gigahertz Acoustic Vibrations of Elastically Anisotropic Indiumâ€“Tin-Oxide Nanorod Arrays. Nano Letters, 2016, 16, 5639-5646.	4.5	10
93	Control of spin dynamics in artificial honeycomb spin-ice-based nanodisks. Physical Review B, 2020, 101, .	1.1	10
94	Theoretical and experimental study of Î±-Sn deposited on CdTe(001). Physical Review B, 2003, 67, .	1.1	9
95	Nonlinear refractive index and three-photon absorption coefficient of poly(9,9-dioctylfluorence). Applied Physics Letters, 2009, 95, 221906.	1.5	9
96	Generation of arbitrary lithographic patterns using Bose-Einstein-condensate interferometry. Physical Review A, 2016, 94, .	1.0	9
97	All-electrical detection of spin dynamics in magnetic antidot lattices by the inverse spin Hall effect. Applied Physics Letters, 2016, 108, 052403.	1.5	9
98	Surface waves in SnTe/Sb superlattices. Journal of Applied Physics, 1984, 56, 1550-1551.	1.1	8
99	Calculation of Transition Temperatures of Superconductor-Metal Sandwiches. Japanese Journal of Applied Physics, 1987, 26, 1461.	0.8	8
100	Vortex phase boundaries from ferromagnetic resonance measurements in a patterned disc array. Physical Review B, 2009, 80, .	1.1	8
101	Preparation and structural analysis of SnTe/Sb composition modulated structures. Journal of Applied Physics, 1984, 55, 920-925.	1.1	7
102	High quality a-Si/Nb and a-SiN/NbN artificial multilayers for Josephson applications. Journal of Materials Research, 1994, 9, 1678-1682.	1.2	7
103	Phases and Phase Transitions in Langmuir Monolayers by Second-Harmonic Generation. Langmuir, 1996, 12, 2298-2302.	1.6	7
104	Nonlinear optical processes at quadrupole polariton resonance in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Cu</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msu probed by a Z-scan technique. Physical Review B, 2010, 82, .	1.1	7
105	Forward volume and surface magnetostatic modes in an yttrium iron garnet film for out-of-plane magnetic fields: Theory and experiment. AIP Advances, 2018, 8, .	0.6	7
106	Effects of an adjacent metal surface on spin wave propagation. AIP Advances, 2018, 8, 056024.	0.6	7
107	Shubnikovâ€“de Haas effect in thin epitaxial films of gray tin. Applied Physics Letters, 1989, 55, 2643-2645.	1.5	6
108	Broadband ferromagnetic resonance measurements of a micromagnetic disk array using a meander-line technique. Journal of Applied Physics, 2008, 104, 063920.	1.1	6

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109	Ferrimagnetism in strained Fe2As thin films on Si(001). Journal of Applied Physics, 2009, 105, 07A946.	1.1	6
110	Relationships between crystal structure and magnetic properties in type-A heteroepitaxial MnAs thin films. Journal of Applied Physics, 2012, 111, 07E125.	1.1	6
111	Nonstochastic magnetic reversal in artificial quasicrystalline spin ice. Journal of Applied Physics, 2014, 115, .	1.1	6
112	Ferromagnetic resonance in a topographically modulated permalloy film. Physical Review B, 2015, 91, .	1.1	6
113	Investigation of Current Gain in Superconducting-Ferromagnetic Transistors With High-j ${}_{m c}$ Acceptor. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.1	6
114	Coupled macrospins: Mode dynamics in symmetric and asymmetric vertices. AIP Advances, 2018, 8, 056020.	0.6	6
115	Propagation of magnetostatic spin waves in an yttrium iron garnet film for out-of-plane magnetic fields. Journal of Magnetism and Magnetic Materials, 2018, 456, 241-250.	1.0	6
116	Direct detection of multiple backward volume modes in yttrium iron garnet at micron scale wavelengths. Physical Review B, 2019, 99, .	1.1	6
117	Amplification of sound by conduction electrons in a piezoelectric superlattice. Applied Physics Letters, 1983, 43, 43-45.	1.5	5
118	Formation of ultrathin tungsten filaments via selective lowâ€pressure chemical vapor deposition. Journal of Applied Physics, 1985, 58, 987-989.	1.1	5
119	Apparatus for making superlattice Langmuirâ€“Blodgett films with atmosphere and temperature control. Review of Scientific Instruments, 1987, 58, 822-825.	0.6	5
120	Bi1â^'xSbx/Bi superlattice grown by molecular beam epitaxy. Applied Physics Letters, 1994, 64, 1283-1285.	1.5	5
121	Photoionization cross section of1sorthoexcitons in cuprous oxide. Physical Review B, 2014, 89, .	1.1	5
122	Anisotropy of the Metamagnetic Transition in UPt3. Journal of Low Temperature Physics, 2000, 121, 221-226.	0.6	4
123	Î²-phase-domain-free Î±â€MnAs thin films on GaAs(001) by postgrowth annealing. Applied Physics Letters, 2005, 87, 092504.	1.5	4
124	Silverâ€coated inverse opals formed from polystyrene spheres for surfaceâ€enhanced Raman scattering. Journal of Raman Spectroscopy, 2011, 42, 941-944.	1.2	4
125	FMR Study of Permalloy Films Patterned Into Square Lattices of Diamond Antidots. IEEE Transactions on Magnetics, 2013, 49, 1029-1032.	1.2	4
126	Excitation of the three principal spin waves in yttrium iron garnet using a wavelength-specific multi-element antenna. AIP Advances, 2018, 8, 056015.	0.6	4

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127	Phase detection of spin waves in yttrium iron garnet and metal induced nonreciprocity. Journal of Applied Physics, 2019, 125, 053905.	1.1	4
128	Josephson Junctions with Artificial Superparamagnetic Barrier: A Promising Avenue for Nanoscale Magnetometry. Physical Review Applied, 2020, 14, .	1.5	4
129	Ferromagnetic Resonance Modes in the Exchange-Dominated Limit in Cylinders of Finite Length. Physical Review Applied, 2021, 16, .	1.5	4
130	Anisotropic Ultrasound Propagation in a Cholesteric Liquid Crystal. Molecular Crystals and Liquid Crystals, 1978, 44, 1-22.	0.9	3
131	Solution Spectra and Stability of Current Biased Josephson Junctions in a Magnetic Field. Journal of Low Temperature Physics, 1999, 115, 45-60.	0.6	3
132	Anomalous two-photon generation of excitons in CuCl pellets. Applied Physics Letters, 2008, 92, 051912.	1.5	3
133	Effect of growth temperature on magnetic and electronic properties of epitaxially grown MnAs thin films on GaAs(100) substrates. Journal of Applied Physics, 2013, 113, 17C307.	1.1	3
134	Currentâ€“voltage characteristics of Nbâ€“carbonâ€“Nb junctions. Low Temperature Physics, 2014, 40, 191-198.	0.2	3
135	Surface coupling to collective and single-particle spin modes in normal 3He. Journal of Low Temperature Physics, 1988, 71, 445-461.	0.6	2
136	A New Hybrid Pvd/Omcvd Route to Highâ€Tc Superconducting Thin Films of Tlâ€Baâ€Caâ€Cuâ€O. Materials Research Society Symposia Proceedings, 1989, 169, 619.	0.1	2
137	LaSrCuGaO5: A New Brownmillerite-Related Mixed-Metal Copper Oxide. Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics, 1990, 184, 335-342.	0.3	2
138	High energy resolution xâ€ray detection based on a coupled Fiske cavity and Josephson junction oscillator. Applied Physics Letters, 1996, 69, 1631-1633.	1.5	2
139	Variable path cryogenic acoustic interferometer. Review of Scientific Instruments, 1998, 69, 4156-4159.	0.6	2
140	Steady transfer of a monolayer between two Langmuir troughs via the Marangoni effect. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1998, 77, 831-847.	0.6	2
141	Growth habit of rhombohedral Bi thin films on zinc-blende CdTe substrates with various orientations. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1999, 17, 3473-3476.	0.9	2
142	Band structure observed in the current-voltage characteristics of SININIS-type junctions. JETP Letters, 2000, 71, 342-344.	0.4	2
143	ULTRASONIC AND MAGNETIZATION STUDIES AT THE METAMAGNETIC TRANSITION IN UPt3. International Journal of Modern Physics B, 2002, 16, 3066-3069.	1.0	2
144	Enhancement of the Josephson critical current in a multiterminal SINIS device under current injection. Physical Review B, 2007, 76, .	1.1	2

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145	Magnetic Properties of Ge/MnAs Digital Heterostructure. IEEE Transactions on Magnetics, 2007, 43, 3034-3036.	1.2	2
146	Metal-semiconductor transition and magnetic properties of epitaxially grown MnAsâˆ•GaAs superlattices. Journal of Applied Physics, 2008, 103, 07B501.	1.1	2
147	Resonantly enhanced reflection of quadrupole polaritons in Cu2O. Applied Physics Letters, 2008, 93, 121111.	1.5	2
148	Growth and magnetic and electrical-transport properties of NiAs structured Mn1âˆ’xGaxAs thin films. Journal of Applied Physics, 2008, 103, 07D102.	1.1	2
149	Observation of Robust FMR in Permalloy Quasiperiodic Arrays. IEEE Transactions on Magnetics, 2013, 49, 3101-3104.	1.2	2
150	DC and RF measurements of superconducting-ferromagnetic multi-terminal devices. , 2013, , .		2
151	Study of Surface Character of Micrometer-Scale Dipole-Exchange Spin Waves in an Yttrium Iron Garnet Film. IEEE Transactions on Magnetics, 2019, 55, 1-4.	1.2	2
152	Simulating Resonant Magnetization Reversals in Nanomagnets. IEEE Transactions on Magnetics, 2021, 57, 1-4.	1.2	2
153	Magnetic Field Sensor Based on a Single Josephson Junction With a Multilayer Ferromagnet/Normal Metal Barrier. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	2
154	Ferromagnetic resonance in single vertices and 2D lattices macro-dipoles of elongated nanoelements: measurements and simulations. Journal of Physics Condensed Matter, 2021, 33, 065803.	0.7	2
155	Magnetic Transitions in Fe/Cr Superlattices. Materials Research Society Symposia Proceedings, 1986, 77, 515.	0.1	1
156	Direct measurements of the mechanical properties of polymerized and unpolymerized langmuir-blodgett films. Journal of Polymer Science, Part B: Polymer Physics, 1989, 27, 1289-1300.	2.4	1
157	Ferroelectric Properties of a-Axis Textured BaTiO3 Thin Films. Materials Research Society Symposia Proceedings, 1993, 310, 319.	0.1	1
158	Miniature multitarget sputtering system for the in situ xâ€ray study of high Tc multilayer film growth. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1994, 12, 598-600.	0.9	1
159	Vortex structure and cavity modes in stacked double Nb/AlOx/Nb Josephson junctions. Journal of Applied Physics, 1996, 80, 2949-2954.	1.1	1
160	Thermoelectric and Structural Properties of Bi1-xTe1+x Thin Films on CdTe(111). Materials Research Society Symposia Proceedings, 1998, 545, 177.	0.1	1
161	Bi1-xSbx Alloy Thin Film and Superlattice Thermoelectrics. Materials Research Society Symposia Proceedings, 1998, 545, 283.	0.1	1
162	A pulser for medium-frequency modulated direct-current reactive sputter deposition of insulators. Review of Scientific Instruments, 2000, 71, 2560-2562.	0.6	1

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163	ULTRASONIC SPECTROMETERS FOR CONDENSED MATTER STUDIES AT VERY HIGH MAGNETIC FIELD. International Journal of Modern Physics B, 2002, 16, 3391-3394.	1.0	1
164	Instrumentation for cryogenic microwave cavity resonance measurements. Review of Scientific Instruments, 2004, 75, 3158-3163.	0.6	1
165	Magnetic and electrical-transport property variations of epitaxially grown MnAs thin films. Journal of Applied Physics, 2005, 97, 10M107.	1.1	1
166	Characteristics of Zr-based single- and multiple-barrier superconducting tunnel junctions. Applied Physics Letters, 2006, 88, 212504.	1.5	1
167	Hydroxyapatite Coatings Produced by Right Angle Magnetron Sputtering for Biomedical Applications. Materials Research Society Symposia Proceedings, 2007, 1008, 1.	0.1	1
168	Assembly of ordered magnetic microsphere arrays. Journal of Applied Physics, 2008, 104, 044701.	1.1	1
169	Four-wave-mixing theory for two-photon generation of excitons in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Cu</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msu Physical Review B, 2009, 80, .	1.1	1
170	Probing the Frequency and Wavevector Dependent Response of 3He Using Patterned Piezoelectric Transducers. Journal of Low Temperature Physics, 2010, 159, 606-613.	0.6	1
171	Four-wave mixing theory for two-photon generation of excitons in thin films of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Cu</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msu Physical Review B, 2010, 81, .	1.1	1
172	Anisotropic spin structure along the easy axis of magnetization in epitaxially grown MnAs/GaAs(100) thin films. Journal of Applied Physics, 2014, 115, 17C105.	1.1	1
173	Optorheological thickening under the pulsed laser photocrosslinking of a polymer. Journal of Applied Polymer Science, 2014, 131, .	1.3	1
174	Magneto-transport anisotropy in epitaxially grown hybrid MnAs/GaAs multilayer. Journal of Applied Physics, 2015, 117, 17B903.	1.1	1
175	Measurements of long-wavelength spin waves for the magnetic field in the Damon-Eshbach, backward-volume and forward-volume geometries of an yttrium iron garnet film. Journal of Applied Physics, 2018, 123, 123902.	1.1	1
176	Thickness dependence of spin wave dynamics in three-fold nano-ellipse clusters. AIP Advances, 2018, 8, 101502.	0.6	1
177	Magnetostatic spin-waves in an yttrium iron garnet thin film: Comparison between theory and experiment for arbitrary field directions. Journal of Applied Physics, 2019, 126, .	1.1	1
178	Spin dynamics in permalloy nano-ellipses for honeycomb and square lattices. AIP Advances, 2022, 12, 035131.	0.6	1
179	A novel method of images for solving Laplace's equation and deriving demagnetization factors for spheroidal bodies. American Journal of Physics, 2022, 90, 520-528.	0.3	1
180	Collective modes in 3He-B. AIP Conference Proceedings, 1983, , .	0.3	0

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181	Possibility of obtaining coherent short wave radiation from a solid state free electron laser. AIP Conference Proceedings, 1986, , .	0.3	0
182	Technique to produce coherent xâ€ray radiation via laser pumping of a relativistic ion beam. Applied Physics Letters, 1986, 49, 311-313.	1.5	0
183	A compact, bipolar, constantâ€“currentâ€voltage source for superconducting junction characterization. Review of Scientific Instruments, 1989, 60, 3822-3824.	0.6	0
184	Multilayered superconducting tunnel junction xâ€ray detectors. International Journal of Remote Sensing, 1994, 8, 227-234.	1.1	0
185	Microwave impedance measurements on the heavy fermion superconductors UPt3 and UBe13. European Physical Journal D, 1996, 46, 773-774.	0.4	0
186	Fabrication and characteristics of weak links between Ã¢- and Ä‰-axis normal grains of Y₁Ba₂Cu₃O_{7âˆ’x}. Journal of Materials Research, 1996, 11, 1086-1093.	1.2	0
187	A three gun sputtering system for the deposition of superconductor/insulator multilayers. Review of Scientific Instruments, 1997, 68, 2127-2131.	0.6	0
188	Thermoelectric Power of Bi And Bi1âˆ’xSbx Alloy Thin Films And Superlattices Grown by MBE. Materials Research Society Symposia Proceedings, 1997, 478, 67.	0.1	0
189	Mbe Growth and Thermoelectric Properties OF Bi2Te3 Thin Films. Materials Research Society Symposia Proceedings, 1998, 545, 183.	0.1	0
190	Artificially Atomic-scale Ordered Superlattice Alloys for Thermoelectric Applications. Materials Research Society Symposia Proceedings, 2000, 626, 241.	0.1	0
191	Thermal Conductivity Of Bi/Sb Superlattice. Materials Research Society Symposia Proceedings, 2000, 626, 911.	0.1	0
192	ULTRASONIC MEASUREMENTS AT THE METAMAGNETIC TRANSITION IN URu2Si2. International Journal of Modern Physics B, 2002, 16, 3037-3040.	1.0	0
193	Room Temperature Ferromagnetism of Ge/MnAs Digital Alloys. Journal of Superconductivity and Novel Magnetism, 2005, 18, 75-78.	0.5	0
194	Growth-Temperature Dependence of Magnetic and Magneto-Transport Properties of Epitaxially Grown MnAs/GaAs Hybrid Multilayers. Journal of Superconductivity and Novel Magnetism, 2005, 18, 105-108.	0.5	0
195	Ferromagnetism of Mn/Ge Multilayers Grown by Molecular Beam Epitaxy. Journal of Superconductivity and Novel Magnetism, 2006, 18, 335-338.	0.5	0
196	Postgrowth annealing effects on heteroepitaxial MnAs thin films grown on GaAs(001) and Si(001). Journal of Applied Physics, 2006, 99, 08D513.	1.1	0
197	Resonant Switching Using Spin Valves. IEEE Transactions on Magnetics, 2007, 43, 2920-2922.	1.2	0
198	High accuracy subwavelength distance measurements: A variable-angle standing-wave total-internal-reflection optical microscope. Journal of Applied Physics, 2009, 105, .	1.1	0

#	Article	IF	Citations
199	Low-field FMR studies of magnetic confinement effects in patterned ferromagnetic thin films. , 2011, , .		0
200	Spin Currents in Antiferromagnets. , 2016, , .		0
201	Direct Detection of Multiple Backward Volume Modes in Yttrium Iron Garnet at Micron Scale Wavelengths. Proceedings (mdpi), 2019, 26, 48.	0.2	0
202	ULTRASONIC AND MAGNETIZATION STUDIES AT THE METAMAGNETIC TRANSITION IN UPt3. , 2002, , .		0
203	ULTRASONIC SPECTROMETERS FOR CONDENSED MATTER STUDIES AT VERY HIGH MAGNETIC FIELDS. , 2002, , .		0
204	ULTRASONIC MEASUREMENTS AT THE METAMAGNETIC TRANSITION IN URu2Si2. , 2002, , .		0