

Frances Hellman

List of Publications by Year in descending order

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190
papers

6,291
citations

76326

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74
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202
all docs

202
docs citations

202
times ranked

7718
citing authors

#	ARTICLE	IF	CITATIONS
1	Interface-induced phenomena in magnetism. <i>Reviews of Modern Physics</i> , 2017, 89, .	45.6	672
2	Tricritical Point and the Doping Dependence of the Order of the Ferromagnetic Phase Transition of $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$. <i>Physical Review Letters</i> , 2002, 89, 227202.	7.8	282
3	Reconfigurable ferromagnetic liquid droplets. <i>Science</i> , 2019, 365, 264-267.	12.6	278
4	Thin film microcalorimeter for heat capacity measurements from 1.5 to 800 K. <i>Review of Scientific Instruments</i> , 1994, 65, 946-959.	1.3	237
5	Levitation of a magnet over a flat type II superconductor. <i>Journal of Applied Physics</i> , 1988, 63, 447-450.	2.5	231
6	Critical behavior of $\text{La}_{0.75}\text{Sr}_{0.25}\text{MnO}_3$. <i>Physical Review B</i> , 2002, 65, .	3.2	148
7	A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. <i>Astrophysical Journal</i> , 2021, 909, 218.	4.5	144
8	Thermal Conductivity and Specific Heat of Thin-Film Amorphous Silicon. <i>Physical Review Letters</i> , 2006, 96, 055902.	7.8	129
9	A cryogenic silicon interferometer for gravitational-wave detection. <i>Classical and Quantum Gravity</i> , 2020, 37, 165003.	4.0	120
10	Evidence of a Surface-Mediated Magnetically Induced Miscibility Gap in Co-Pt Alloy Thin Films. <i>Physical Review Letters</i> , 1995, 75, 1843-1846.	7.8	112
11	Thermodynamic Measurements of Magnetic Ordering in Antiferromagnetic Superlattices. <i>Physical Review Letters</i> , 1996, 77, 3451-3454.	7.8	111
12	Sharp angular sensitivity of pinning due to twin boundaries in $\text{Ba}_2\text{YCu}_3\text{O}_7$. <i>Applied Physics Letters</i> , 1990, 56, 2465-2467.	3.3	107
13	Fe Spin Reorientation across the Metamagnetic Transition in Strained FeRh Thin Films. <i>Physical Review Letters</i> , 2012, 109, 117201.	7.8	103
14	Specific heat and thermal conductivity of low-stress amorphous Si_xN_y membranes. <i>Solid State Communications</i> , 2004, 129, 199-204.	1.9	101
15	Image contrast in near-field optics. <i>Journal of Applied Physics</i> , 1992, 71, 4659-4663.	2.5	96
16	Spin-orbit torques in ferrimagnetic GdFeCo alloys. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	95
17	Growth-induced magnetic anisotropy in amorphous Tb-Fe. <i>Physical Review Letters</i> , 1992, 68, 1391-1394.	7.8	88
18	Metal-Insulator Transition and Giant Negative Magnetoresistance in Amorphous Magnetic Rare Earth Silicon Alloys. <i>Physical Review Letters</i> , 1996, 77, 4652-4655.	7.8	88

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19	Relations between complexity, quality and cognitive automation in mixed-model assembly. Journal of Manufacturing Systems, 2013, 32, 449-455.	13.9	87
20	Surface structure of thin epitaxial CoSi ₂ grown on Si(111). Physical Review B, 1988, 37, 10786-10794.	3.2	86
21	Finite size effects on the moment and ordering temperature in antiferromagnetic CoO layers. Physical Review B, 2003, 67, .	3.2	85
22	Temperature-driven nucleation of ferromagnetic domains in FeRh thin films. Applied Physics Letters, 2012, 100, .	3.3	79
23	Gender Differences and Performance in Science. Science, 2005, 307, 1043b-1043b.	12.6	77
24	Thermodynamic Measurements of Fe-Rh Alloys. Physical Review Letters, 2012, 109, 255901.	7.8	77
25	Thin film nanocalorimeter for heat capacity measurements of 30 nm films. Review of Scientific Instruments, 2009, 80, 063901.	1.3	71
26	Flux pinning enhancement in ferromagnetic and superconducting thin-film multilayers. Applied Physics Letters, 2003, 82, 778-780.	3.3	68
27	Electronic Structure Changes across the Metamagnetic Transition in FeRh via Hard X-Ray Photoemission. Physical Review Letters, 2012, 108, 257208.	7.8	68
28	Hydrogen-Free Amorphous Silicon with No Tunneling States. Physical Review Letters, 2014, 113, 025503.	7.8	67
29	Excess Specific Heat in Evaporated Amorphous Silicon. Physical Review Letters, 2013, 110, 135901.	7.8	65
30	Observation of boron diffusion in an annealed Ta/CoFeB/MgO magnetic tunnel junction with standing-wave hard x-ray photoemission. Applied Physics Letters, 2012, 101, .	3.3	64
31	Mean-field behavior with Gaussian fluctuations at the ferromagnetic phase transition of SrRuO ₃ . Physical Review B, 2003, 67, .	3.2	58
32	Spin-orbit torque and Nernst effect in Bi-Sb/Co heterostructures. Physical Review B, 2019, 99, .	3.2	53
33	Long ferromagnetic correlation length in amorphous TbFe ₂ . Physical Review B, 1999, 59, 11408-11417.	3.2	50
34	Growth-induced magnetic anisotropy and clustering in vapor-deposited Co-Pt alloy films. Physical Review B, 1999, 60, 12826-12836.	3.2	49
35	Spin-Glass Freezing and RKKY Interactions near the Metal-Insulator Transition in Amorphous Gd-Si Alloys. Physical Review Letters, 2000, 84, 5411-5414.	7.8	48
36	Density of States of Amorphous Gd _x Si _{1-x} at the Metal-Insulator Transition. Physical Review Letters, 2000, 85, 848-851.	7.8	46

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37	Measurement of thermal conductivity of thin films with a Si-N membrane-based microcalorimeter. Review of Scientific Instruments, 2005, 76, 024901.	1.3	46
38	Effect of capping material on interfacial ferromagnetism in FeRh thin films. Journal of Applied Physics, 2014, 115, .	2.5	45
39	Si-N membrane-based microcalorimetry: Heat capacity and thermal conductivity of thin films. Thermochimica Acta, 2005, 432, 158-168.	2.7	40
40	Quenched magnetic moment in Mn-doped amorphous Si films. Physical Review B, 2008, 77, .	3.2	40
41	Role of element-specific damping in ultrafast, helicity-independent, all-optical switching dynamics in amorphous (Gd,Tb)Co thin films. Physical Review B, 2021, 103, .	3.2	40
42	Ultrafast magnetization switching in nanoscale magnetic dots. Applied Physics Letters, 2019, 114, .	3.3	39
43	A15 Nb δ Sn tunnel junction fabrication and properties. Journal of Applied Physics, 1984, 55, 3544-3553.	2.5	38
44	Temperature-driven growth of antiferromagnetic domains in thin-film FeRh. Journal of Physics Condensed Matter, 2015, 27, 256001.	1.8	38
45	Low-temperature magnetoresistance in insulating GdxSi1-x alloys. Physical Review B, 1999, 59, R3929-R3933.	3.2	37
46	Magnetic field induced insulator to metal transition in amorphous-GdxSi1-x. Solid State Communications, 2000, 114, 81-86.	1.9	33
47	Unexpected unidirectional anisotropy in amorphous TbFe/NiFeMo bilayer films. Applied Physics Letters, 1987, 50, 296-298.	3.3	32
48	Quasi-2D behavior in bulk isotropic type-II superconductors: Shape effects. Physical Review Letters, 1992, 68, 867-870.	7.8	32
49	Prototype of a radiation hard resistive bolometer for ITER. Plasma Physics and Controlled Fusion, 2005, 47, 2123-2143.	2.1	32
50	Effect of strain and thickness on the transition temperature of epitaxial FeRh thin-films. Applied Physics Letters, 2017, 111, .	3.3	32
51	Antiferromagnetism in Cr Al_3 and relation to semiconducting behavior. Physical Review B, 2012, 85, .	3.2	31
52	Surface-induced ordering: A model for vapor deposition growth of amorphous materials. Applied Physics Letters, 1994, 64, 1947-1949.	3.3	30
53	Large Magnetic Entropy in Giant Magnetoresistive Amorphous Gadolinium Silicon. Physical Review Letters, 1999, 83, 2266-2269.	7.8	30
54	Magnetic and structural investigation of the composition dependence of the local order in amorphous Tb-Fe. Physical Review B, 1989, 39, 10591-10605.	3.2	29

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55	Specific heat of amorphous rare-earth ^{3d} transition-metal films. <i>Physical Review B</i> , 1998, 58, 5672-5683.	3.2	29
56	Distinct local electronic structure and magnetism for Mn in amorphous Si and Ge. <i>Physical Review B</i> , 2010, 82, .	3.2	29
57	Two-level systems in evaporated amorphous silicon. <i>Journal of Non-Crystalline Solids</i> , 2015, 426, 19-24.	3.1	29
58	Thin film microcalorimeter for heat capacity measurements in high magnetic fields. <i>Review of Scientific Instruments</i> , 2002, 73, 1841-1844.	1.3	28
59	Numerical simulation of the heat transfer in amorphous silicon nitride membrane-based microcalorimeters. <i>Review of Scientific Instruments</i> , 2003, 74, 4389-4403.	1.3	27
60	Specific heat of C ₆₀ and K ₃ C ₆₀ thin films for T=6 ³ 400K. <i>Physical Review B</i> , 1999, 60, 11765-11772.	3.2	26
61	Resonant impurity scattering and electron-phonon scattering in the electrical resistivity of Cr thin films. <i>Physical Review B</i> , 2009, 80, .	3.2	26
62	Deposition-temperature dependence of structural anisotropy in amorphous Tb-Fe films. <i>Physical Review B</i> , 1994, 49, 3637-3640.	3.2	25
63	Gate-controlled magnetic properties of the magnetic semiconductor (Zn,Co)O. <i>Applied Physics Letters</i> , 2009, 94, 212106.	3.3	25
64	Magnetotactic Bacteria Accumulate a Large Pool of Iron Distinct from Their Magnetite Crystals. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	25
65	Effect of chemical order on the magnetic and electronic properties of epitaxial off-stoichiometry Fe _x Si _{1-x} thin films. <i>Physical Review B</i> , 2015, 91, .	3.2	24
66	Roughness effects in uncompensated antiferromagnets. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	23
67	Fundamental origin of the large impact of strain on superconducting Nb ₃ Sn. <i>Superconductor Science and Technology</i> , 2018, 31, 105011.	3.5	23
68	Coercivity in amorphous Tb-Fe alloys. <i>Journal of Applied Physics</i> , 1999, 86, 1047-1052.	2.5	22
69	Enhancement of the electronic contribution to the low-temperature specific heat of an Fe/Cr magnetic multilayer. <i>Physical Review B</i> , 2002, 65, .	3.2	21
70	A silicon on sapphire thermometer for small sample low temperature calorimetry. <i>Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics</i> , 1981, 107, 327-328.	0.9	20
71	X-ray absorption study of the electronic structure of Mn-doped amorphous Si. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	20
72	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. <i>Progress of Theoretical and Experimental Physics</i> , 2022, 2022, .	6.6	20

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73	Specific heat of endohedral and higher fullerene thin films. Journal of Chemical Physics, 1999, 111, 5291-5294.	3.0	19
74	Growth-induced perpendicular magnetic anisotropy and clustering in NixPt1-x alloys. Journal of Magnetism and Magnetic Materials, 2001, 223, 221-232.	2.3	19
75	Simulation of clustering and anisotropy due to Co step-edge segregation in vapor-deposited CoPt3. Physical Review B, 2006, 73, .	3.2	19
76	Calorimetry of epitaxial thin films. Review of Scientific Instruments, 2011, 82, 023908.	1.3	19
77	Specific heat of thin-film Al5 superconductors: An anomalous inhomogeneity discovered. Physical Review B, 1987, 36, 107-120.	3.2	18
78	Measurement of magnetic anisotropy of ferrimagnets near compensation. Applied Physics Letters, 1991, 59, 2757-2759.	3.3	18
79	Beneficial effects of annealing on amorphous Nb-Si thin-film thermometers. Applied Physics Letters, 2005, 87, 221901.	3.3	18
80	Miscut-angle dependence of perpendicular magnetic anisotropy in thin epitaxial CoPt3 films grown on vicinal MgO. Applied Physics Letters, 2002, 81, 517-519.	3.3	17
81	XAFS study of local disorder in the a-GdxSi1-x amorphous magnetic semiconductor. Physical Review B, 2003, 67, .	3.2	17
82	Spin-density wave in polycrystalline Cr films from infrared reflectivity. Physical Review B, 2007, 76, .	3.2	17
83	Thermodynamic measurements of submilligram bulk samples using a membrane-based calorimeter on a chip. Review of Scientific Instruments, 2008, 79, 053902.	1.3	17
84	Magnetic moments and interactions near the metal-insulator transition in amorphous magnetic semiconductors. Physical Review B, 2002, 66, .	3.2	16
85	Towards analysis of the electron density of states of Nb3Sn as a function of strain. AIP Conference Proceedings, 2012, , .	0.4	16
86	Effect of gadolinium adatoms on the transport properties of graphene. Physical Review B, 2012, 86, .	3.2	16
87	Magnetic properties of ultrathin discontinuous Co/Pt multilayers: Comparison with short-range ordered and isotropic CoPt3 films. Physical Review B, 2016, 93, .	3.2	16
88	Heat transfer simulation and thermal measurements of microfabricated x-ray transparent heater stages. Review of Scientific Instruments, 2011, 82, 093904.	1.3	15
89	High spatial resolution Raman thermometry analysis of TiO2 microparticles. Review of Scientific Instruments, 2013, 84, 104906.	1.3	15
90	Substrate temperature effect on the structural anisotropy in amorphous Tb-Fe films. Journal of Applied Physics, 1993, 73, 5785-5787.	2.5	14

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91	Variation of the density of states in amorphous GdSi at the metal-insulator transition. Physical Review B, 2004, 69, .	3.2	14
92	Characteristic temperature in magnetically doped amorphous semiconductors. Physical Review B, 2005, 71, .	3.2	14
93	Generation and stability of structurally imprinted target skyrmions in magnetic multilayers. Applied Physics Letters, 2019, 115, .	3.3	14
94	The use of thermomagnetometry to follow reactions of thin films. Thermochemica Acta, 1987, 121, 231-239.	2.7	13
95	Destruction of superconductivity in the narrow-band metal K ₃ C ₆₀ s. Physical Review B, 1997, 55, 3866-3869.	3.2	13
96	Hard x-ray photoemission study of near-Heusler Fe _x Si _{1-x} alloys. Physical Review B, 2011, 83, .	3.2	13
97	Chiral Spin Textures in Amorphous Iron-Germanium Thick Films. Advanced Materials, 2021, 33, e2004830.	21.0	13
98	Origin of mechanical and dielectric losses from two-level systems in amorphous silicon. Physical Review Materials, 2021, 5, .	2.4	13
99	Kinetic simulation of vapor deposition and growth. Physical Review B, 1993, 48, 3079-3084.	3.2	12
100	Application of calorimetry on a chip to high-pressure materials. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9187-9191.	7.1	12
101	Band Gap and Electronic Structure of an Epitaxial, Semiconducting Cr _{0.80} Al _{0.20} Thin Film. Physical Review Letters, 2010, 105, 236404.	7.8	12
102	Magnetic imaging with full-field soft X-ray microscopies. Journal of Electron Spectroscopy and Related Phenomena, 2013, 189, 196-205.	1.7	12
103	Further investigations of the solid-liquid reaction and high-field critical current density in liquid-infiltrated Nb-Sn superconductors. IEEE Transactions on Magnetics, 1985, 21, 771-774.	2.1	11
104	Growth of Single Crystal type A and type B Co _x Ni _{1-x} Si ₂ Layers on Si(111). Materials Research Society Symposia Proceedings, 1987, 91, 451.	0.1	11
105	Field- and concentration-tuned scaling of a quantum phase transition in a magnetically doped semiconductor. Physical Review B, 2006, 73, .	3.2	11
106	Microstructure, magnetotransport, and magnetic properties of Gd-doped amorphous carbon. Physical Review B, 2007, 75, .	3.2	11
107	Evidence for nanoscale two-dimensional Co clusters in CoPt ₃ films with perpendicular magnetic anisotropy. Journal of Physics Condensed Matter, 2010, 22, 146002.	1.8	11
108	Electron-Mediated Ferromagnetic Behavior in CoO/ZnO Multilayers. Physical Review Letters, 2013, 110, 087206.	7.8	11

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109	Using structural disorder to enhance the magnetism and spin-polarization in Fe _x Si _{1-x} thin films for spintronics. <i>Materials Research Express</i> , 2014, 1, 026102.	1.6	11
110	Magnetization switching and inverted hysteresis in perpendicular antiferromagnetic superlattices. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	10
111	Itinerant ferromagnetism and intrinsic anomalous Hall effect in amorphous iron-germanium. <i>Physical Review B</i> , 2020, 101, .	3.2	10
112	Use of the longitudinal magneto-optical Kerr effect to study nonmagnetic/magnetic bilayers. <i>Journal of Applied Physics</i> , 1988, 64, 6098-6100.	2.5	9
113	Infrared probe of metal-insulator transition in Si _{1-x} Gd _x and Si _{1-x} Y _x amorphous alloys in magnetic field. <i>Europhysics Letters</i> , 2002, 57, 240-246.	2.0	9
114	Mean-field simulation of metal oxide antiferromagnetic films and multilayers. <i>Physical Review B</i> , 2013, 87, .	3.2	9
115	The effects of disorder on the normal state and superconducting properties of Nb ₃ Sn. <i>Superconductor Science and Technology</i> , 2017, 30, 025006.	3.5	9
116	Oxygen-assisted room-temperature deposition of CoPt ₃ films with perpendicular magnetic anisotropy. <i>Applied Physics Letters</i> , 2002, 81, 4011-4013.	3.3	8
117	Magnetic and transport properties of amorphous Tb-Si alloys near the metal-insulator transition. <i>Physical Review B</i> , 2003, 67, .	3.2	8
118	Magneto-electronic properties of Gd-implanted tetrahedral amorphous carbon. <i>Physical Review B</i> , 2011, 84, .	3.2	8
119	Two-level systems and growth-induced metastability in hydrogenated amorphous silicon. <i>Materials Research Express</i> , 2020, 7, 095201.	1.6	8
120	Hall effect at a tunable metal-insulator transition. <i>Physical Review B</i> , 2003, 67, .	3.2	7
121	The role of the spin-density wave and disorder in the density of states of sputtered Cr films. <i>Journal of Applied Physics</i> , 2009, 105, 07C314.	2.5	7
122	Scaling of the anomalous Hall effect in lower conductivity regimes. <i>Europhysics Letters</i> , 2016, 114, 57004.	2.0	7
123	Structural disorder-driven topological phase transition in noncentrosymmetric BiTeI. <i>Physical Review B</i> , 2021, 103, .	3.2	7
124	Structural and magnetic length scales in amorphous TbFe ₂ . <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 256, 322-327.	2.3	6
125	Excess modes and enhanced scattering in rare-earth-doped amorphous silicon thin films. <i>Physical Review B</i> , 2006, 74, .	3.2	6
126	Concentration dependent microstructure and transport properties of the magnetic semiconductor Gd-Si. <i>Journal of Applied Physics</i> , 2007, 101, 093712.	2.5	6

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127	Magnetic and transport properties of amorphous $Gd_{1-x}Ge_x$ near the metal-insulator transition. Physical Review B, 2007, 76, .	3.2	6
128	Growth and microstructure dependence of electronic and magnetic properties in magnetically doped Gd-Si amorphous semiconductors. Physical Review B, 2007, 75, .	3.2	6
129	Layer resolved magnetization reversal study in $SmCo_5/Fe$ nanocomposite bilayers. Chinese Physics B, 2010, 19, 037504.	1.4	6
130	Analysis of Bulk and Thin Film Model Samples Intended for Investigating the Strain Sensitivity of Niobium-Tin. IEEE Transactions on Applied Superconductivity, 2011, 21, 2550-2553.	1.7	6
131	Chemical ordering in Cr_3Al and relation to semiconducting behavior. Physical Review B, 2012, 86, .	3.2	6
132	The Effect of Ta and Ti Additions on the Strain Sensitivity of Bulk Niobium-Tin. Physics Procedia, 2012, 36, 491-496.	1.2	6
133	Tilted fluctuation electron microscopy. Applied Physics Letters, 2020, 117, .	3.3	6
134	Comparing amorphous silicon prepared by electron-beam evaporation and sputtering toward eliminating atomic tunneling states. Journal of Alloys and Compounds, 2021, 855, 157431.	5.5	6
135	Enhanced spin polarization of amorphous $F_{1-x}S_x$. Physical Review B, 2012, 86, .	2.4	6
136	The effect of non-hydrostatic strain on the superconducting properties of in-situ formed Cu-Nb ₃ Sn filamentary composites. IEEE Transactions on Magnetics, 1985, 21, 768-770.	2.1	5
137	Study of liquid-infiltrated Nb ₃ Sn superconducting composite wire by specific heat measurements. Journal of Applied Physics, 1986, 60, 3978-3981.	2.5	5
138	Surface-to-surface segregation during growth of polycrystalline thin films. Applied Physics Letters, 1987, 51, 948-950.	3.3	5
139	Composition and deposition temperature dependence of the structure of oxidized thin film amorphous Tb-Fe. Journal of Applied Physics, 1989, 65, 2847-2851.	2.5	5
140	Growth induced magnetic and chemical anisotropy in CoPt ₃ alloy films. Journal of Synchrotron Radiation, 2001, 8, 880-882.	2.4	5
141	Anomalous magnetic thermodynamics in uncompensated collinear antiferromagnets. Europhysics Letters, 2014, 107, 27002.	2.0	5
142	Unexpected dependence of the anomalous Hall angle on the Hall conductivity in amorphous transition metal thin films. Physical Review Materials, 2020, 4, .	2.4	5
143	Ion-beam-assisted growth of CoPt ₃ films. Applied Physics Letters, 2001, 79, 2782-2784.	3.3	4
144	High-field magneto-optic measurements of amorphous Gd-Si alloys. Physical Review B, 2003, 67, .	3.2	4

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145	Spin Polarized Tunneling at the Metal-Insulator Transition. International Journal of Modern Physics B, 2003, 17, 3723-3725.	2.0	4
146	Thermodynamic properties of excess-oxygen-doped $\text{La}_2\text{CuO}_{4.11}$ near a simultaneous transition to superconductivity and long-range magnetic order. Physical Review B, 2004, 69, .	3.2	4
147	Interplay between charge localization and magnetic ordering in amorphous GdSi_{1-x} . Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1351-1352.	2.3	4
148	Effects of annealing on amorphous $\text{Gd}_x\text{Si}_{1-x}$ near the metal-insulator transition. Journal of Applied Physics, 2007, 101, 023908.	2.5	4
149	Tracking spin-glass barriers versus field and temperature in $\text{a-Gd}_{0.19}\text{Si}_{0.81}$. Physical Review B, 2009, 79, .	3.2	4
150	Ultrathin IBAF MgO films for epitaxial growth on amorphous substrates and sub-50-nm membranes. Applied Physics Letters, 2016, 109, .	3.3	4
151	Perpendicular magnetic tunnel junction performance under mechanical strain. Applied Physics Letters, 2018, 112, .	3.3	4
152	Coexistence of soft and hard magnetic phases in single layer amorphous Tb-Co thin films. Journal of Applied Physics, 2022, 131, .	2.5	4
153	Temperature effects on the structure and mechanical properties of vapor deposited $\alpha\text{-SiO}_2$. Journal of Non-Crystalline Solids, 2022, 587, 121588.	3.1	4
154	Electricity and Magnetism Simulations. Computers in Physics, 1996, 10, 257.	0.5	3
155	Dimerization Transition in Phenalenyl-based Neutral Radicals at High Magnetic Fields. AIP Conference Proceedings, 2006, , .	0.4	3
156	Superconductivity in Nb-Sn Thin Films of Stoichiometric and Off-Stoichiometric Compositions. IEEE Transactions on Applied Superconductivity, 2013, 23, 7100505-7100505.	1.7	3
157	Cr(110) texture induced by epitaxy on $\text{Al}_2\text{O}_3(0001)$ substrates: Preferential grain growth in the $\langle 001 \rangle$ direction. Applied Physics Letters, 2013, 102, 141601.	3.3	3
158	Light-induced metastability in pure and hydrogenated amorphous silicon. Europhysics Letters, 2015, 112, 26001.	2.0	3
159	Surface-induced phenomena in uncompensated collinear antiferromagnets. Journal of Physics Condensed Matter, 2015, 27, 086001.	1.8	3
160	Influence of dislocations and twin walls in BaTiO_3 on the voltage-controlled switching of perpendicular magnetization. Physical Review Materials, 2021, 5, .	2.4	3
161	A New Look at the Growth of Thin Films of Nb-Sn. , 1986, , 593-602.		3
162	Epitaxy of Nb_3Sn Films on Sapphire. Materials Research Society Symposia Proceedings, 1984, 37, 517.	0.1	2

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163	Changes in the local structure of amorphous Tb-Fe observed by magnetic anisotropy measurements. Journal of Magnetism and Magnetic Materials, 1989, 81, 234-238.	2.3	2
164	Magnetic Films: Anisotropy. , 2001, , 4761-4767.		2
165	Magnetic Rare Earth (Gd) Implanted Tetrahedral Amorphous Carbon (ta-C). Materials Research Society Symposia Proceedings, 2006, 941, 1.	0.1	2
166	Soft X-ray beam induced current technique. Journal of Physics: Conference Series, 2009, 186, 012023.	0.4	2
167	Amorphous Dielectric Thin Films with Extremely Low Mechanical Loss. Archives of Metallurgy and Materials, 2015, 60, 359-363.	0.6	2
168	Internal friction measurements of low energy excitations in amorphous germanium thin films. Journal of Alloys and Compounds, 2021, 856, 157616.	5.5	2
169	Decoupling between propagating acoustic waves and two-level systems in hydrogenated amorphous silicon. Physical Review B, 2021, 104, .	3.2	2
170	Direction of the easy axis in amorphous Tb-Fe (abstract). Journal of Applied Physics, 1987, 61, 3249-3249.	2.5	1
171	Magnetic profile in Tb-Fe and Tb-Fe/Ni-Fe bilayer films (abstract). Journal of Applied Physics, 1988, 63, 3247-3247.	2.5	1
172	Suppression of growth-induced perpendicular magnetic anisotropy in Co-Pt alloys by trace amounts of Si. Applied Physics Letters, 1999, 75, 4177-4179.	3.3	1
173	The Hall effect in a-GdxSi1-x at the metal-insulator transition. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 18, 266-269.	2.7	1
174	Electronic and vibrational density of states through the metal-insulator transition in amorphous yttrium-silicon alloy thin films. Physical Review B, 2009, 79, .	3.2	1
175	Characterizing Magnetic Anisotropy in Amorphous Metal Films Using Tilted Fluctuation Electron Microscopy. Microscopy and Microanalysis, 2018, 24, 204-205.	0.4	1
176	Magnetic Materials: Chiral Spin Textures in Amorphous Iron-Germanium Thick Films (Adv. Mater.)	21.0	1
177	GROWTH-INDUCED MAGNETIC ANISOTROPY IN AMORPHOUS RE-TM ALLOYS. Journal of the Magnetism Society of Japan, 1993, 17, S1_272-273.	0.4	1
178	Structural tunability and origin of two-level systems in amorphous silicon. Physical Review Materials, 2022, 6, .	2.4	1
179	Anomalous composition dependence of anisotropy in amorphous Tb-Fe and Ho-Fe (abstract). Journal of Applied Physics, 1991, 69, 5466-5466.	2.5	0
180	Growth-induced Magnetic Anisotropy In Amorphous RE-TM Films. , 1993, , .		0

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181	Experimental Evidence, For The Structural Origins Of Magnetic Anisotropy In Amorphous Rare Earth-transition Metal Films. , 1993, , .		0
182	Structural and Magnetic Characterization of Bi-Substituted Garnet on Si and GaAs. Materials Research Society Symposia Proceedings, 1995, 384, 41.	0.1	0
183	Magnetic Order of Co _{0.1} Pt _{0.9} in Proximity of CoPt ₃ . Materials Research Society Symposia Proceedings, 1998, 517, 311.	0.1	0
184	Publisher's Note: Δ Hall effect at a tunable metal-insulator transition [Phys. Rev. B67, 121102 (2003)]. Physical Review B, 2003, 67, .	3.2	0
185	Improved Fitting Of the Spin Polarized Tunneling Conductance Near the Metal-Insulator Transition. AIP Conference Proceedings, 2006, , .	0.4	0
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