

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	Coexistence of soft and hard magnetic phases in single layer amorphous Tb-Co thin films. Journal of Applied Physics, 2022, 131, .	2.5	4
2	Compositional trends in surface enhanced diffusion in lead silicate glasses. Computational Materials Science, 2022, 206, 111304.	3.0	0
3	Temperature effects on the structure and mechanical properties of vapor deposited a-SiO ₂ . Journal of Non-Crystalline Solids, 2022, 587, 121588.	3.1	4
4	First joint observation by the underground gravitational-wave detector KAGRA with GEO 600. Progress of Theoretical and Experimental Physics, 2022, 2022, .	6.6	20
5	Structural tunability and origin of two-level systems in amorphous silicon. Physical Review Materials, 2022, 6, .	2.4	1
6	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
7	Internal friction measurements of low energy excitations in amorphous germanium thin films. Journal of Alloys and Compounds, 2021, 856, 157616.	5.5	2
8	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
9	Chiral Spin Textures in Amorphous Iron-Germanium Thick Films. Advanced Materials, 2021, 33, e2004830.	21.0	13
10	Magnetic Materials: Chiral Spin Textures in Amorphous Iron-Germanium Thick Films (Adv. Mater.)	21.0	1
11	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
12	Origin of mechanical and dielectric losses from two-level systems in amorphous silicon. Physical Review Materials, 2021, 5, .	2.4	13
13	A Gravitational-wave Measurement of the Hubble Constant Following the Second Observing Run of Advanced LIGO and Virgo. Astrophysical Journal, 2021, 909, 218.	4.5	144
14	Structural disorder-driven topological phase transition in noncentrosymmetric BiTeI. Physical Review B, 2021, 103, .	3.2	7
15	Decoupling between propagating acoustic waves and two-level systems in hydrogenated amorphous silicon. Physical Review B, 2021, 104, .	3.2	2
16	Itinerant ferromagnetism and intrinsic anomalous Hall effect in amorphous iron-germanium. Physical Review B, 2020, 101, .	3.2	10
17	Tilted fluctuation electron microscopy. Applied Physics Letters, 2020, 117, .	3.3	6
18	Magnetotactic Bacteria Accumulate a Large Pool of Iron Distinct from Their Magnetite Crystals. Applied and Environmental Microbiology, 2020, 86, .	3.1	25

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19	A cryogenic silicon interferometer for gravitational-wave detection. Classical and Quantum Gravity, 2020, 37, 165003.	4.0	120
20	Two-level systems and growth-induced metastability in hydrogenated amorphous silicon. Materials Research Express, 2020, 7, 095201.	1.6	8
21	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
22	Reconfigurable ferromagnetic liquid droplets. Science, 2019, 365, 264-267.	12.6	278
23	Ultrafast magnetization switching in nanoscale magnetic dots. Applied Physics Letters, 2019, 114, .	3.3	39
24	Tilted Fluctuation Electron Microscopy Characterization of Magnetically Anisotropic Amorphous Metal Films. Microscopy and Microanalysis, 2019, 25, 1886-1887.	0.4	0
25	Generation and stability of structurally imprinted target skyrmions in magnetic multilayers. Applied Physics Letters, 2019, 115, .	3.3	14
26	Spin-orbit torque and Nernst effect in Bi-Sb/Co heterostructures. Physical Review B, 2019, 99, .	3.2	53
27	Characterizing Magnetic Anisotropy in Amorphous Metal Films Using Tilted Fluctuation Electron Microscopy. Microscopy and Microanalysis, 2018, 24, 204-205.	0.4	1
28	Perpendicular magnetic tunnel junction performance under mechanical strain. Applied Physics Letters, 2018, 112, .	3.3	4
29	Fundamental origin of the large impact of strain on superconducting Nb ₃ Sn. Superconductor Science and Technology, 2018, 31, 105011.	3.5	23
30	Enhanced spin polarization of amorphous $F_x e_x S_i$	2.4	6
31	The effects of disorder on the normal state and superconducting properties of Nb ₃ Sn. Superconductor Science and Technology, 2017, 30, 025006.	3.5	9
32	Effect of strain and thickness on the transition temperature of epitaxial FeRh thin-films. Applied Physics Letters, 2017, 111, .	3.3	32
33	Interface-induced phenomena in magnetism. Reviews of Modern Physics, 2017, 89, .	45.6	672
34	Spin-orbit torques in ferrimagnetic GdFeCo alloys. Applied Physics Letters, 2016, 109, .	3.3	95
35	Scaling of the anomalous Hall effect in lower conductivity regimes. Europhysics Letters, 2016, 114, 57004.	2.0	7
36	Magnetic properties of ultrathin discontinuous Co/Pt multilayers: Comparison with short-range ordered and isotropic CoPt ₃ films. Physical Review B, 2016, 93, .	3.2	16

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37	Ultrathin IBAD MgO films for epitaxial growth on amorphous substrates and sub-50nm membranes. Applied Physics Letters, 2016, 109, .	3.3	4
38	Effect of chemical order on the magnetic and electronic properties of epitaxial off-stoichiometry Fe _x Si _{1-x} thin films. Physical Review B, 2015, 91, .	3.2	24
39	Light-induced metastability in pure and hydrogenated amorphous silicon. Europhysics Letters, 2015, 112, 26001.	2.0	3
40	Amorphous Dielectric Thin Films with Extremely Low Mechanical Loss. Archives of Metallurgy and Materials, 2015, 60, 359-363.	0.6	2
41	Temperature-driven growth of antiferromagnetic domains in thin-film FeRh. Journal of Physics Condensed Matter, 2015, 27, 256001.	1.8	38
42	Surface-induced phenomena in uncompensated collinear antiferromagnets. Journal of Physics Condensed Matter, 2015, 27, 086001.	1.8	3
43	Two-level systems in evaporated amorphous silicon. Journal of Non-Crystalline Solids, 2015, 426, 19-24.	3.1	29
44	Roughness effects in uncompensated antiferromagnets. Journal of Applied Physics, 2015, 117, .	2.5	23
45	Using structural disorder to enhance the magnetism and spin-polarization in Fe _x Si _{1-x} thin films for spintronics. Materials Research Express, 2014, 1, 026102.	1.6	11
46	Anomalous magnetic thermodynamics in uncompensated collinear antiferromagnets. Europhysics Letters, 2014, 107, 27002.	2.0	5
47	Hydrogen-Free Amorphous Silicon with No Tunneling States. Physical Review Letters, 2014, 113, 025503.	7.8	67
48	Magnetization switching and inverted hysteresis in perpendicular antiferromagnetic superlattices. Applied Physics Letters, 2014, 104, .	3.3	10
49	Effect of capping material on interfacial ferromagnetism in FeRh thin films. Journal of Applied Physics, 2014, 115, .	2.5	45
50	Superconductivity in Nb-Sn Thin Films of Stoichiometric and Off-Stoichiometric Compositions. IEEE Transactions on Applied Superconductivity, 2013, 23, 7100505-7100505.	1.7	3
51	High spatial resolution Raman thermometry analysis of TiO ₂ microparticles. Review of Scientific Instruments, 2013, 84, 104906.	1.3	15
52	Relations between complexity, quality and cognitive automation in mixed-model assembly. Journal of Manufacturing Systems, 2013, 32, 449-455.	13.9	87
53	Electron-Mediated Ferromagnetic Behavior in CoO/ZnO Multilayers. Physical Review Letters, 2013, 110, 087206.	7.8	11
54	Cr(110) texture induced by epitaxy on Al ₂ O ₃ (0001) substrates: Preferential grain growth in the $\langle 001 \rangle$ direction. Applied Physics Letters, 2013, 102, 141601.	3.3	3

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55	Mean-field simulation of metal oxide antiferromagnetic films and multilayers. Physical Review B, 2013, 87, .	3.2	9
56	Magnetic imaging with full-field soft X-ray microscopies. Journal of Electron Spectroscopy and Related Phenomena, 2013, 189, 196-205.	1.7	12
57	Excess Specific Heat in Evaporated Amorphous Silicon. Physical Review Letters, 2013, 110, 135901.	7.8	65
58	Towards analysis of the electron density of states of Nb ₃ Sn as a function of strain. AIP Conference Proceedings, 2012, , .	0.4	16
59	Effect of gadolinium adatoms on the transport properties of graphene. Physical Review B, 2012, 86, .	3.2	16
60	Antiferromagnetism in Cr ₃ Al and relation to semiconducting behavior. Physical Review B, 2012, 85, .	3.2	31
61	Chemical ordering in Cr ₃ Al and relation to semiconducting behavior. Physical Review B, 2012, 86, .	3.2	6
62	Fe Spin Reorientation across the Metamagnetic Transition in Strained FeRh Thin Films. Physical Review Letters, 2012, 109, 117201.	7.8	103
63	The Effect of Ta and Ti Additions on the Strain Sensitivity of Bulk Niobium-Tin. Physics Procedia, 2012, 36, 491-496.	1.2	6
64	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
65	Thermodynamic Measurements of Fe-Rh Alloys. Physical Review Letters, 2012, 109, 255901.	7.8	77
66	Electronic Structure Changes across the Metamagnetic Transition in FeRh via Hard X-Ray Photoemission. Physical Review Letters, 2012, 108, 257208.	7.8	68
67	Temperature-driven nucleation of ferromagnetic domains in FeRh thin films. Applied Physics Letters, 2012, 100, .	3.3	79
68	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
69	Magneto-electronic properties of Gd-implanted tetrahedral amorphous carbon. Physical Review B, 2011, 84, .	3.2	8
70	Hard x-ray photoemission study of near-Heusler Fe _x Si _{1-x} alloys. Physical Review B, 2011, 83, .	3.2	13
71	Heat transfer simulation and thermal measurements of microfabricated x-ray transparent heater stages. Review of Scientific Instruments, 2011, 82, 093904.	1.3	15
72	Calorimetry of epitaxial thin films. Review of Scientific Instruments, 2011, 82, 023908.	1.3	19

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73	Layer resolved magnetization reversal study in SmCo ₅ /Fe nanocomposite bilayers. Chinese Physics B, 2010, 19, 037504.	1.4	6
74	Effect of magnetic Gd adatoms on the transport properties of ultrathin gold films. Physical Review B, 2010, 82, .	3.2	0
75	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
76	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
77	Distinct local electronic structure and magnetism for Mn in amorphous Si and Ge. Physical Review B, 2010, 82, .	3.2	29
78	Tracking spin-glass barriers versus field and temperature in a-Gd _{0.19} Si _{0.81} . Physical Review B, 2009, 79, .	3.2	4
79	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
80	Gate-controlled magnetic properties of the magnetic semiconductor (Zn,Co)O. Applied Physics Letters, 2009, 94, 212106.	3.3	25
81	The role of the spin-density wave and disorder in the density of states of sputtered Cr films. Journal of Applied Physics, 2009, 105, 07C314.	2.5	7
82	Resonant impurity scattering and electron-phonon scattering in the electrical resistivity of Cr thin films. Physical Review B, 2009, 80, .	3.2	26
83	Thin film nanocalorimeter for heat capacity measurements of 30 nm films. Review of Scientific Instruments, 2009, 80, 063901.	1.3	71
84	Soft X-ray beam induced current technique. Journal of Physics: Conference Series, 2009, 186, 012023.	0.4	2
85	Using AG theory to model a S/I/N tunnel junction. Physica B: Condensed Matter, 2008, 403, 1321-1322.	2.7	0
86	Quenched magnetic moment in Mn-doped amorphous Si films. Physical Review B, 2008, 77, .	3.2	40
87	Thermodynamic measurements of submilligram bulk samples using a membrane-based calorimeter on a chip. Review of Scientific Instruments, 2008, 79, 053902.	1.3	17
88	X-ray absorption study of the electronic structure of Mn-doped amorphous Si. Applied Physics Letters, 2008, 92, .	3.3	20
89	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
90	Concentration dependent microstructure and transport properties of the magnetic semiconductor Gd-Si. Journal of Applied Physics, 2007, 101, 093712.	2.5	6

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91	Effects of annealing on amorphous Gd_xSi_{1-x} near the metal-insulator transition. Journal of Applied Physics, 2007, 101, 023908.	2.5	4
92	Spin-density wave in polycrystalline Cr films from infrared reflectivity. Physical Review B, 2007, 76, .	3.2	17
93	Magnetic and transport properties of amorphous Gd_xGe_{1-x} near the metal-insulator transition. Physical Review B, 2007, 76, .	3.2	6
94	Growth and microstructure dependence of electronic and magnetic properties in magnetically doped Gd-Si amorphous semiconductors. Physical Review B, 2007, 75, .	3.2	6
95	Microstructure, magnetotransport, and magnetic properties of Gd-doped amorphous carbon. Physical Review B, 2007, 75, .	3.2	11
96	Dimerization Transition in Phenalenyl-based Neutral Radicals at High Magnetic Fields. AIP Conference Proceedings, 2006, , .	0.4	3
97	Improved Fitting Of the Spin Polarized Tunneling Conductance Near the Metal-Insulator Transition. AIP Conference Proceedings, 2006, , .	0.4	0
98	Thermal Conductivity and Specific Heat of Thin-Film Amorphous Silicon. Physical Review Letters, 2006, 96, 055902.	7.8	129
99	Magnetic Rare Earth (Gd) Implanted Tetrahedral Amorphous Carbon (ta-C). Materials Research Society Symposia Proceedings, 2006, 941, 1.	0.1	2
100	Excess modes and enhanced scattering in rare-earth-doped amorphous silicon thin films. Physical Review B, 2006, 74, .	3.2	6
101	Simulation of clustering and anisotropy due to Co step-edge segregation in vapor-deposited $CoPt_3$. Physical Review B, 2006, 73, .	3.2	19
102	Field- and concentration-tuned scaling of a quantum phase transition in a magnetically doped semiconductor. Physical Review B, 2006, 73, .	3.2	11
103	Si-N membrane-based microcalorimetry: Heat capacity and thermal conductivity of thin films. Thermochimica Acta, 2005, 432, 158-168.	2.7	40
104	Measurement of thermal conductivity of thin films with a Si-N membrane-based microcalorimeter. Review of Scientific Instruments, 2005, 76, 024901.	1.3	46
105	Gender Differences and Performance in Science. Science, 2005, 307, 1043b-1043b.	12.6	77
106	Prototype of a radiation hard resistive bolometer for ITER. Plasma Physics and Controlled Fusion, 2005, 47, 2123-2143.	2.1	32
107	Beneficial effects of annealing on amorphous $NbSi$ thin-film thermometers. Applied Physics Letters, 2005, 87, 221901.	3.3	18
108	Characteristic temperature in magnetically doped amorphous semiconductors. Physical Review B, 2005, 71, .	3.2	14

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109	Variation of the density of states in amorphous GdSi at the metal-insulator transition. Physical Review B, 2004, 69, .	3.2	14
110	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
111	Specific heat and thermal conductivity of low-stress amorphous Si^{N} membranes. Solid State Communications, 2004, 129, 199-204.	1.9	101
112	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
113	Structural and magnetic length scales in amorphous TbFe_2 . Journal of Magnetism and Magnetic Materials, 2003, 256, 322-327.	2.3	6
114	The Hall effect in $a\text{-Gd}_x\text{Si}_{1-x}$ at the metal-insulator transition. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 18, 266-269.	2.7	1
115	High-field magneto-optic measurements of amorphous Gd-Si alloys. Physical Review B, 2003, 67, .	3.2	4
116	Magnetic and transport properties of amorphous Tb-Si alloys near the metal-insulator transition. Physical Review B, 2003, 67, .	3.2	8
117	Flux pinning enhancement in ferromagnetic and superconducting thin-film multilayers. Applied Physics Letters, 2003, 82, 778-780.	3.3	68
118	Numerical simulation of the heat transfer in amorphous silicon nitride membrane-based microcalorimeters. Review of Scientific Instruments, 2003, 74, 4389-4403.	1.3	27
119	Hall effect at a tunable metal-insulator transition. Physical Review B, 2003, 67, .	3.2	7
120	Publisher's Note: Hall effect at a tunable metal-insulator transition [Phys. Rev. B67, 121102 (2003)]. Physical Review B, 2003, 67, .	3.2	0
121	Finite size effects on the moment and ordering temperature in antiferromagnetic CoO layers. Physical Review B, 2003, 67, .	3.2	85
122	XAFS study of local disorder in the $a\text{-Gd}_x\text{Si}_{1-x}$ amorphous magnetic semiconductor. Physical Review B, 2003, 67, .	3.2	17
123	Mean-field behavior with Gaussian fluctuations at the ferromagnetic phase transition of SrRuO_3 . Physical Review B, 2003, 67, .	3.2	58
124	Spin Polarized Tunneling at the Metal-Insulator Transition. International Journal of Modern Physics B, 2003, 17, 3723-3725.	2.0	4
125	Magnetic moments and interactions near the metal-insulator transition in amorphous magnetic semiconductors. Physical Review B, 2002, 66, .	3.2	16
126	Oxygen-assisted room-temperature deposition of CoPt_3 films with perpendicular magnetic anisotropy. Applied Physics Letters, 2002, 81, 4011-4013.	3.3	8

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127	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
128	Infrared probe of metal-insulator transition in $\text{Si}_{1-x}\text{Gd}_x$ and $\text{Si}_{1-x}\text{Y}_x$ amorphous alloys in magnetic field. <i>Europhysics Letters</i> , 2002, 57, 240-246.	2.0	9
129	Thin film microcalorimeter for heat capacity measurements in high magnetic fields. <i>Review of Scientific Instruments</i> , 2002, 73, 1841-1844.	1.3	28
130	Critical behavior of $\text{La}_{0.75}\text{Sr}_{0.25}\text{MnO}_3$. <i>Physical Review B</i> , 2002, 65, .	3.2	148
131	Miscut-angle dependence of perpendicular magnetic anisotropy in thin epitaxial CoPt_3 films grown on vicinal MgO. <i>Applied Physics Letters</i> , 2002, 81, 517-519.	3.3	17
132	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
133	Growth induced magnetic and chemical anisotropy in CoPt_3 alloy films. <i>Journal of Synchrotron Radiation</i> , 2001, 8, 880-882.	2.4	5
134	Growth-induced perpendicular magnetic anisotropy and clustering in $\text{Ni}_x\text{Pt}_{1-x}$ alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 223, 221-232.	2.3	19
135	Magnetic Films: Anisotropy. , 2001, , 4761-4767.		2
136	Ion-beam-assisted growth of CoPt_3 films. <i>Applied Physics Letters</i> , 2001, 79, 2782-2784.	3.3	4
137	Tunneling into amorphous $\text{Gd}_x\text{Si}_{1-x}$ at the Metal-Insulator Transition and its Independence of Magnetic Impurities in the Barrier. <i>Springer Proceedings in Physics</i> , 2001, , 250-251.	0.2	0
138	Magnetic field induced insulator to metal transition in amorphous- $\text{Gd}_x\text{Si}_{1-x}$. <i>Solid State Communications</i> , 2000, 114, 81-86.	1.9	33
139	Density of States of Amorphous $\text{Gd}_x\text{Si}_{1-x}$ at the Metal-Insulator Transition. <i>Physical Review Letters</i> , 2000, 85, 848-851.	7.8	46
140	Spin-Glass Freezing and RKKY Interactions near the Metal-Insulator Transition in Amorphous Gd-Si Alloys. <i>Physical Review Letters</i> , 2000, 84, 5411-5414.	7.8	48
141	Long ferromagnetic correlation length in amorphous TbFe_2 . <i>Physical Review B</i> , 1999, 59, 11408-11417.	3.2	50
142	Suppression of growth-induced perpendicular magnetic anisotropy in CoPt alloys by trace amounts of Si. <i>Applied Physics Letters</i> , 1999, 75, 4177-4179.	3.3	1
143	Coercivity in amorphous TbFe alloys. <i>Journal of Applied Physics</i> , 1999, 86, 1047-1052.	2.5	22
144	Specific heat of C_{60} and K_3C_{60} thin films for $T=6-400\text{K}$. <i>Physical Review B</i> , 1999, 60, 11765-11772.	3.2	26

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145	Specific heat of endohedral and higher fullerene thin films. Journal of Chemical Physics, 1999, 111, 5291-5294.	3.0	19
146	Large Magnetic Entropy in Giant Magnetoresistive Amorphous Gadolinium Silicon. Physical Review Letters, 1999, 83, 2266-2269.	7.8	30
147	Low-temperature magnetoresistance in insulating Gd_xSi_{1-x} alloys. Physical Review B, 1999, 59, R3929-R3933.	3.2	37
148	Growth-induced magnetic anisotropy and clustering in vapor-deposited Co-Pt alloy films. Physical Review B, 1999, 60, 12826-12836.	3.2	49
149	Specific heat of amorphous rare-earth transition-metal films. Physical Review B, 1998, 58, 5672-5683.	3.2	29
150	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
151	Destruction of superconductivity in the narrow-band metal K_3C_{60} s. Physical Review B, 1997, 55, 3866-3869.	3.2	13
152	Thermodynamic Measurements of Magnetic Ordering in Antiferromagnetic Superlattices. Physical Review Letters, 1996, 77, 3451-3454.	7.8	111
153	Metal-Insulator Transition and Giant Negative Magnetoresistance in Amorphous Magnetic Rare Earth Silicon Alloys. Physical Review Letters, 1996, 77, 4652-4655.	7.8	88
154	Electricity and Magnetism Simulations. Computers in Physics, 1996, 10, 257.	0.5	3
155	Structural and Magnetic Characterization of Bi-Substituted Garnet on Si and GaAs. Materials Research Society Symposia Proceedings, 1995, 384, 41.	0.1	0
156	Evidence of a Surface-Mediated Magnetically Induced Miscibility Gap in Co-Pt Alloy Thin Films. Physical Review Letters, 1995, 75, 1843-1846.	7.8	112
157	Surface-induced ordering: A model for vapor deposition growth of amorphous materials. Applied Physics Letters, 1994, 64, 1947-1949.	3.3	30
158	Deposition-temperature dependence of structural anisotropy in amorphous Tb-Fe films. Physical Review B, 1994, 49, 3637-3640.	3.2	25
159	Thin film microcalorimeter for heat capacity measurements from 1.5 to 800 K. Review of Scientific Instruments, 1994, 65, 946-959.	1.3	237
160	Growth-induced Magnetic Anisotropy In Amorphous RE-TM Films. , 1993, , .		0
161	Substrate temperature effect on the structural anisotropy in amorphous Tb-Fe films. Journal of Applied Physics, 1993, 73, 5785-5787.	2.5	14
162	Kinetic simulation of vapor deposition and growth. Physical Review B, 1993, 48, 3079-3084.	3.2	12

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163	Experimental Evidence, For The Structural Origins Of Magnetic Anisotropy In Amorphous Rare Earth-transition Metal Films. , 1993, , .		0
164	GROWTH-INDUCED MAGNETIC ANISOTROPY IN AMORPHOUS RE-TM ALLOYS. Journal of the Magnetism Society of Japan, 1993, 17, S1_272-273.	0.4	1
165	Quasi-2D behavior in bulk isotropic type-II superconductors: Shape effects. Physical Review Letters, 1992, 68, 867-870.	7.8	32
166	Image contrast in near-field optics. Journal of Applied Physics, 1992, 71, 4659-4663.	2.5	96
167	Growth-induced magnetic anisotropy in amorphous Tb-Fe. Physical Review Letters, 1992, 68, 1391-1394.	7.8	88
168	Anomalous composition dependence of anisotropy in amorphous Tb-Fe and Ho-Fe (abstract). Journal of Applied Physics, 1991, 69, 5466-5466.	2.5	0
169	Measurement of magnetic anisotropy of ferrimagnets near compensation. Applied Physics Letters, 1991, 59, 2757-2759.	3.3	18
170	Sharp angular sensitivity of pinning due to twin boundaries in Ba ₂ YCu ₃ O ₇ . Applied Physics Letters, 1990, 56, 2465-2467.	3.3	107
171	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
172	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
173	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
174	Surface structure of thin epitaxial CoSi ₂ grown on Si(111). Physical Review B, 1988, 37, 10786-10794.	3.2	86
175	Levitation of a magnet over a flat type II superconductor. Journal of Applied Physics, 1988, 63, 447-450.	2.5	231
176	Magnetic profile in Tb-Fe and Tb-Fe/Ni-Fe bilayer films (abstract). Journal of Applied Physics, 1988, 63, 3247-3247.	2.5	1
177	Use of the longitudinal magneto-optical Kerr effect to study nonmagnetic/magnetic bilayers. Journal of Applied Physics, 1988, 64, 6098-6100.	2.5	9
178	Specific heat of thin-film A15 superconductors: An anomalous inhomogeneity discovered. Physical Review B, 1987, 36, 107-120.	3.2	18
179	Direction of the easy axis in amorphous Tb-Fe (abstract). Journal of Applied Physics, 1987, 61, 3249-3249.	2.5	1
180	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

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181	Unexpected unidirectional anisotropy in amorphous Tb-Fe-Ni-Mo bilayer films. Applied Physics Letters, 1987, 50, 296-298.	3.3	32
182	Surface segregation during growth of polycrystalline thin films. Applied Physics Letters, 1987, 51, 948-950.	3.3	5
183	The use of thermomagnetometry to follow reactions of thin films. Thermochemica Acta, 1987, 121, 231-239.	2.7	13
184	Study of liquid-infiltrated Nb-Sn superconducting composite wire by specific heat measurements. Journal of Applied Physics, 1986, 60, 3978-3981.	2.5	5
185	A New Look at the Growth of Thin Films of Nb-Sn. , 1986, , 593-602.		3
186	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
187	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
188	A15 Nb-Sn tunnel junction fabrication and properties. Journal of Applied Physics, 1984, 55, 3544-3553.	2.5	38
189	Epitaxy of Nb ₃ Sn Films on Sapphire. Materials Research Society Symposia Proceedings, 1984, 37, 517.	0.1	2
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