

Arthur F Hebard

List of Publications by Year in descending order

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184
all docs

184
docs citations

184
times ranked

17317
citing authors

#	ARTICLE	IF	CITATIONS
1	Superconductivity at 18 K in potassium-doped C60. Nature, 1991, 350, 600-601.	27.8	2,964
2	Transparent, Conductive Carbon Nanotube Films. Science, 2004, 305, 1273-1276.	12.6	2,797
3	Conducting films of C60 and C70 by alkali-metal doping. Nature, 1991, 350, 320-322.	27.8	1,057
4	Wide band gap ferromagnetic semiconductors and oxides. Journal of Applied Physics, 2003, 93, 1-13.	2.5	987
5	High Efficiency Graphene Solar Cells by Chemical Doping. Nano Letters, 2012, 12, 2745-2750.	9.1	861
6	Superconductivity at 28 K in RbxC60. Physical Review Letters, 1991, 66, 2830-2832.	7.8	848
7	Synthesis and Characterization of Silica-Coated Iron Oxide Nanoparticles in Microemulsion: The Effect of Nonionic Surfactants. Langmuir, 2001, 17, 2900-2906.	3.5	732
8	New Phases of C60 Synthesized at High Pressure. Science, 1994, 264, 1570-1572.	12.6	657
9	C60 thin film transistors. Applied Physics Letters, 1995, 67, 121-123.	3.3	546
10	Magnetic-field-tuned superconductor-insulator transition in two-dimensional films. Physical Review Letters, 1990, 65, 927-930.	7.8	473
11	Ferromagnetism in Mn-implanted ZnO:Sn single crystals. Applied Physics Letters, 2003, 82, 239-241.	3.3	403
12	Deposition and characterization of fullerene films. Applied Physics Letters, 1991, 59, 2109-2111.	3.3	337
13	Renormalization of the Mean-Field Superconducting Penetration Depth in Epitaxial YBa2Cu3O7 Films. Physical Review Letters, 1988, 61, 1419-1422.	7.8	272
14	Magnetic and structural properties of Mn-implanted GaN. Applied Physics Letters, 2001, 78, 3475-3477.	3.3	268
15	Indication of ferromagnetism in molecular-beam-epitaxy-derived N-type GaMnN. Applied Physics Letters, 2001, 79, 1312-1314.	3.3	268
16	Magnetic properties of MoS2: Existence of ferromagnetism. Applied Physics Letters, 2012, 101, .	3.3	249
17	Superconducting phase transitions in indium/indium-oxide thin-film composites. Physical Review B, 1983, 28, 5075-5087.	3.2	216
18	Unconventional Carrier-Mediated Ferromagnetism above Room Temperature in Ion-Implanted (Ga, Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	7.8	214

#	ARTICLE	IF	CITATIONS
19	Critical currents associated with the interaction of commensurate fluxâ€line sublattices in a perforated Al film. Applied Physics Letters, 1978, 32, 73-75.	3.3	200
20	Evidence for the Kosterlitz-Thouless Transition in Thin Superconducting Aluminum Films. Physical Review Letters, 1980, 44, 291-294.	7.8	198
21	Raman Studies of Alkali-Metal Doped AxC60 Films (A = Na, K, Rb, and Cs; x = 0, 3, and 6). Science, 1991, 254, 1625-1627.	12.6	196
22	Penetration depths of highTcfilms measured by twoâ€coil mutual inductances. Applied Physics Letters, 1988, 52, 2165-2167.	3.3	191
23	Metal-Insulator-Like Behavior in Semimetallic Bismuth and Graphite. Physical Review Letters, 2005, 94, 166601.	7.8	179
24	Built-in and induced polarization across LaAlO3/SrTiO3 heterojunctions. Nature Physics, 2011, 7, 80-86.	16.7	178
25	Low-temperature insulating phases of uniformly disordered two-dimensional superconductors. Physical Review Letters, 1992, 69, 1604-1607.	7.8	169
26	Effects of high-dose Mn implantation into ZnO grown on sapphire. Applied Physics Letters, 2004, 84, 2292-2294.	3.3	167
27	Stable hole doping of graphene for low electrical resistance and high optical transparency. Nanotechnology, 2011, 22, 425701.	2.6	163
28	Photoemission Spectra and Electronic Properties of KxC60. Science, 1991, 252, 1419-1421.	12.6	158
29	Metallic and superconducting surfaces ofYBa2Cu3O7probed by electrostatic charge modulation of epitaxial films. Physical Review Letters, 1990, 65, 3441-3444.	7.8	153
30	Phase Transitions of Dirac Electrons in Bismuth. Science, 2008, 321, 547-550.	12.6	150
31	ZnO spintronics and nanowire devices. Journal of Electronic Materials, 2006, 35, 862-868.	2.2	148
32	Evidence for the Existence of Fractional Charge on Matter. Physical Review Letters, 1977, 38, 1011-1014.	7.8	141
33	Electronic transport properties ofK3C60films. Physical Review Letters, 1992, 68, 1054-1057.	7.8	140
34	Graphite based Schottky diodes formed on Si, GaAs, and 4H-SiC substrates. Applied Physics Letters, 2009, 95, .	3.3	140
35	Rectification at Graphene-Semiconductor Interfaces: Zero-Gap Semiconductor-Based Diodes. Physical Review X, 2012, 2, .	8.9	137
36	Photoelectrochemical behavior of C60 films. Journal of the American Chemical Society, 1991, 113, 6291-6293.	13.7	127

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37	Critical-Exponent Measurements of a Two-Dimensional Superconductor. Physical Review Letters, 1983, 50, 1603-1606.	7.8	119
38	Wide bandgap GaN-based semiconductors for spintronics. Journal of Physics Condensed Matter, 2004, 16, R209-R245.	1.8	117
39	Pair-breaking model for disorder in two-dimensional superconductors. Physical Review B, 1984, 30, 4063-4066.	3.2	115
40	Electrical Resistivity and Stoichiometry of K ₃ C ₆₀ Films. Science, 1992, 255, 184-186.	12.6	114
41	Graphene/GaN Schottky diodes: Stability at elevated temperatures. Applied Physics Letters, 2011, 99, 102102.	3.3	111
42	Role of molecular oxygen and other impurities in the electrical transport and dielectric properties of C ₆₀ films. Physical Review B, 1997, 55, 16439-16449.	3.2	99
43	Buckminsterfullerene. Annual Review of Materials Research, 1993, 23, 159-191.	5.5	87
44	Absence of saturation in the normal-state resistivity of thin films of K ₃ C ₆₀ and Rb ₃ C ₆₀ . Physical Review B, 1993, 48, 9945-9948.	3.2	86
45	Transport properties of Al ₆₅ Cu ₁₅ Co ₂₀ and Al ₇₀ Ni ₁₅ Co ₁₅ decagonal quasicrystals. Physical Review Letters, 1991, 67, 719-722.	7.8	85
46	Nonlinear temperature dependence of the normal-state resistivity in YBa ₂ Cu ₄ O _{8±δ} films. Physical Review B, 1989, 39, 9611-9613.	3.2	82
47	Supermetallic conductivity in bromine-intercalated graphite. Physical Review B, 2010, 81, .	3.2	76
48	Magnetization dependence on electron density in epitaxial ZnO thin films codoped with Mn and Sn. Journal of Applied Physics, 2005, 97, 053904.	2.5	73
49	Mining for high T _c ferromagnetism in ion-implanted dilute magnetic semiconductors. Journal Physics D: Applied Physics, 2004, 37, 511-517.	2.8	72
50	Electron Mobility, Conductivity, and Superconductivity near the Metal-Insulator Transition. Physical Review Letters, 1984, 52, 2057-2060.	7.8	70
51	Pair-breaking description of the vortex-depinning critical field in YBa ₂ Cu ₃ O ₇ thin films. Physical Review B, 1989, 40, 5243-5246.	3.2	64
52	Use of ion implantation to facilitate the discovery and characterization of ferromagnetic semiconductors. Journal of Applied Physics, 2002, 91, 7499.	2.5	63
53	Intrinsic Tunneling in Phase Separated Manganites. Physical Review Letters, 2009, 102, 077205.	7.8	63
54	Flux-Lattice Melting in Amorphous Composite In ₂ O ₃ Two-Dimensional Superconductors. Physical Review Letters, 1988, 60, 144-147.	7.8	62

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55	Structural and electronic properties of $(\text{NH}_3)_x\text{K}_3\text{C}_6\text{O}$. Physical Review B, 1995, 52, 483-489.	3.2	62
56	Spatial distribution and electronic state of Co in epitaxial anatase $\text{Co}_x\text{Ti}_{1-x}\text{O}_2$ thin films grown by reactive sputtering. Applied Physics Letters, 2004, 84, 2608-2610.	3.3	62
57	Structural phase transitions of indium/indium oxide thin film composites. Applied Physics Letters, 1982, 41, 1130-1132.	3.3	60
58	Charge transfer at aluminum- C_6O interfaces in thin-film multilayer structures. Physical Review B, 1994, 50, 17740-17743.	3.2	59
59	Electrical Resistivity and Stoichiometry of $\text{Ca}_x\text{C}_6\text{O}$ and $\text{Sr}_x\text{C}_6\text{O}$ Films. Science, 1992, 258, 1636-1638.	12.6	58
60	Properties of Co-, Cr-, or Mn-implanted AlN. Journal of Applied Physics, 2003, 94, 1592-1596.	2.5	58
61	Colossal magnetocapacitance and scale-invariant dielectric response in phase-separated manganites. Nature Physics, 2007, 3, 551-555.	16.7	56
62	Characterization of high dose Fe implantation into p-GaN. Applied Physics Letters, 2001, 79, 3452-3454.	3.3	54
63	Diverging Characteristic Lengths at Critical Disorder in Thin-Film Superconductors. Physical Review Letters, 1985, 54, 2155-2158.	7.8	49
64	Magnetic Properties of Fe- and Mn-Implanted SiC. Electrochemical and Solid-State Letters, 2001, 4, G119.	2.2	47
65	Role of Clusters in the Approach to Localization of Josephson-Coupled Granular Lead Films. Physical Review Letters, 1980, 44, 50-54.	7.8	46
66	Observation of a halide (F/Cl) stabilized, new perovskite phase in superconducting $\text{Y}_2\text{Ba}_5\text{Cu}_7\text{O}_x$ films. Applied Physics Letters, 1988, 52, 1625-1627.	3.3	46
67	Infrared spectroscopy through the orientational phase transition in fullerene films. Physical Review B, 1992, 46, 2591-2594.	3.2	45
68	Magnetic properties of P-type GaMnP grown by molecular-beam epitaxy. Applied Physics Letters, 2001, 79, 3128-3130.	3.3	45
69	Growth and characterization of multiferroic BiMnO_3 thin films. Journal of Applied Physics, 2011, 109, .	2.5	45
70	Ion beam thinning and polishing of $\text{YBa}_2\text{Cu}_3\text{O}_7$ films. Applied Physics Letters, 1989, 55, 1915-1917.	3.3	44
71	Magnetic and structural characterization of Mn-implanted, single-crystal ZnGeSiN_2 . Journal of Applied Physics, 2002, 92, 2047-2051.	2.5	43
72	Charge transfer and surface scattering at Cu- C_6O planar interfaces. Physical Review B, 1996, 54, 14052-14060.	3.2	41

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73	Bad Metals Made with Good-Metal Components. <i>Physical Review Letters</i> , 1998, 81, 3936-3939.	7.8	40
74	Magnetization dependence on carrier doping in epitaxial ZnO thin films co-doped with Mn and P. <i>Journal of Applied Physics</i> , 2007, 101, 123909.	2.5	40
75	Fabrication and Properties of Free-Standing C60 Membranes. <i>Science</i> , 1993, 259, 1887-1890.	12.6	39
76	Magnetocapacitance: Probe of Spin-Dependent Potentials. <i>Physical Review Letters</i> , 2003, 90, 117201.	7.8	39
77	A new approach to high resolution measurements of structure in superconducting tunneling currents. <i>Review of Scientific Instruments</i> , 1974, 45, 529-533.	1.3	37
78	Fermi-liquid behavior in the electrical resistivity of K_3C_6O and Rb_3C_6O . <i>Physical Review B</i> , 1994, 50, 3462-3465.	3.2	37
79	Drawing graphene nanoribbons on SiC by ion implantation. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	37
80	Interface contribution to the capacitance of thin Al_2O_3 film Al_2O_3/Al trilayer structures. <i>Applied Physics Letters</i> , 1987, 51, 1349-1351.	3.3	34
81	Correlation of structural quality with superconducting behavior in epitaxial thin films of $Ba_2YCu_3O_7$ on $LaAlO_3(100)$. <i>Journal of Applied Physics</i> , 1991, 70, 4982-4988.	2.5	34
82	Frequency-dependent interface capacitance of Al_2O_3/Al tunnel junctions. <i>Applied Physics Letters</i> , 1999, 74, 302-304.	3.3	32
83	Magnetoconductance of thin-film superconductors near critical disorder. <i>Physical Review B</i> , 1986, 33, 1691-1699.	3.2	31
84	Tunneling magnetoresistance in phase-separated manganite nanobridges. <i>Physical Review B</i> , 2009, 80, .	3.2	31
85	Current transport across the pentacene/CVD-grown graphene interface for diode applications. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 255802.	1.8	30
86	Carbon nanotube-modified cantilevers for improved spatial resolution in electrostatic force microscopy. <i>Applied Physics Letters</i> , 1999, 75, 2842-2844.	3.3	29
87	Unambiguous determination of the g factor for holes in bismuth at high B/T . <i>Physical Review B</i> , 2001, 64, .	3.2	28
88	Magnetic penetration depth of $YBa_2Cu_3O_7$. <i>Physical Review Letters</i> , 1989, 62, 2885-2885.	7.8	26
89	Vortex-pair nucleation at defects: A mechanism for anomalous temperature dependence in the superconducting screening length. <i>Physical Review B</i> , 1991, 44, 9753-9756.	3.2	25
90	Coherent phonons in alkali metal-doped C60. <i>Applied Physics Letters</i> , 1997, 71, 2734-2736.	3.3	24

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91	Transition metal ion implantation into AlGaIn. Journal of Applied Physics, 2003, 94, 4956.	2.5	23
92	Nanoscale Magnetic Regions Formed in GaIn Implanted with Mn. Journal of Nanoscience and Nanotechnology, 2001, 1, 101-106.	0.9	22
93	Effects of High Dose Ni, Fe, Co, and Mn Implantation into SnO ₂ . Electrochemical and Solid-State Letters, 2004, 7, G309.	2.2	21
94	Extinction of ferromagnetism in highly ordered pyrolytic graphite by annealing. Carbon, 2012, 50, 1614-1618.	10.3	21
95	Block Copolymer-Mediated Formation of Superparamagnetic Nanocomposites. Chemistry of Materials, 2009, 21, 5644-5653.	6.7	20
96	Microstructure, dimensionality, and depression of the transition temperature in disordered superconducting films. Physical Review Letters, 1987, 58, 1131-1134.	7.8	19
97	Room temperature ferromagnetism in GaMnN and GaMnP. Physica Status Solidi A, 2003, 195, 222-227.	1.7	19
98	Low-temperature, site selective graphitization of SiC via ion implantation and pulsed laser annealing. Applied Physics Letters, 2012, 100, .	3.3	19
99	Systematics of the dielectric constant of vortex phases in superconducting films. Physical Review B, 1982, 25, 2073-2076.	3.2	18
100	Phototransformation in visible and near-IR femtosecond pump-probe studies of C ₆₀ films. Applied Physics Letters, 1996, 69, 296-298.	3.3	18
101	Large magnetoresistance of bismuth/gold films thermally deposited onto glass substrates. Applied Physics Letters, 2003, 82, 2293-2295.	3.3	18
102	Effects of hydrogen incorporation in GaMnN. Applied Physics Letters, 2003, 83, 5458-5460.	3.3	18
103	Synthesis and magnetic characterization of microstructures prepared from microbial templates of differing morphology. Materials Letters, 2006, 60, 19-22.	2.6	18
104	Fe doped CdTeS magnetic quantum dots for bioimaging. Journal of Materials Chemistry B, 2013, 1, 6312.	5.8	18
105	Diagnostics with series-connected Josephson tunnel junctions. Journal of Applied Physics, 1978, 49, 338-343.	2.5	17
106	Ultrapure multilayer graphene in bromine-intercalated graphite. Physical Review B, 2011, 84, .	3.2	16
107	Asymmetric Design of Spin-Crossover Complexes to Increase the Volatility for Surface Deposition. Journal of the American Chemical Society, 2021, 143, 14563-14572.	13.7	16
108	Structural aspects of tunnel junction coupled granular lead films. Journal of Vacuum Science and Technology, 1981, 18, 268-272.	1.9	15

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109	Oxygen-rich polycrystalline magnesium oxide—A high quality thin-film dielectric. Applied Physics Letters, 1986, 48, 520-522.	3.3	15
110	Unusual Shubnikov-de Haas oscillations in BiTeCl. Physical Review B, 2014, 90, .	3.2	15
111	A Superconducting Suspension with Variable Restoring Force and Low Damping. Review of Scientific Instruments, 1973, 44, 425-429.	1.3	14
112	A criterion for the determination of upper critical fields in highly disordered thin-film superconductors. Applied Physics Letters, 1984, 45, 794-796.	3.3	14
113	Doping-induced spectral evolution in C60: Evidence of immiscible stoichiometric phases in Ax C60 (A=K,Rb; x=0, 3, and 6) thin films. Physical Review B, 1993, 48, 2738-2742.	3.2	14
114	Spin-Peierls transition in NaV2O5 in high magnetic fields. Physical Review B, 2000, 61, R13321-R13324.	3.2	14
115	Bulk Fermi surface and electronic properties of Cu0.07Bi2Se3. Physical Review B, 2013, 87, .	3.2	14
116	Tunneling Studies of the Formation of Intermetallic Compounds in Gold-Lead Films. Journal of Vacuum Science and Technology, 1973, 10, 606-610.	1.9	13
117	Josephson Junctions in Transverse Magnetic Fields. Physical Review Letters, 1975, 35, 1310-1311.	7.8	13
118	Magnetization measurements of single levitated grains of Ba2YCu3O7. Applied Physics Letters, 1988, 53, 2238-2240.	3.3	13
119	Hierarchically occupied pinning distributions and vortex transport in superconductors. Physical Review B, 1991, 43, 6253-6256.	3.2	13
120	Contribution of interface capacitance to the electric-field breakdown in thin-film Al-AlOx-Al capacitors. Applied Physics Letters, 2003, 83, 2417-2419.	3.3	13
121	Optical recording applications of reactive ion beam sputter deposited thin-film composites. Applied Physics Letters, 1984, 44, 1023-1025.	3.3	12
122	Possibility of the vortex-antivortex transition temperature of a thin-film superconductor being renormalized by disorder. Physical Review B, 1989, 39, 4105-4109.	3.2	12
123	Field and Hall effects in semiconducting YBa2Cu3O6+δ. Physical Review B, 1992, 46, 520-523.	3.2	12
124	Magnetically Driven Single DNA Nanomotor. Small, 2011, 7, 601-605.	10.0	12
125	Cation termination at ion-polished and chemically etched (001)YBa2Cu3O7 crystal surfaces: An ion channeling study. Applied Physics Letters, 1991, 58, 777-779.	3.3	11
126	Fiory et al. reply. Physical Review Letters, 1991, 67, 3196-3196.	7.8	11

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127	Proximate transition temperatures amplify linear magnetoelectric coupling in strain-disordered multiferroic BiMnO_3 . Physical Review B, 2016, 93, .	3.2	11
128	Characteristics of Single-Molecule Magnet Dimers ($[\text{Mn}_3]_{2\text{O}_3}$) on Graphene and h-BN . Journal of Physical Chemistry C, 2020, 124, 28186-28200.	3.1	11
129	Magnetism in SiC implanted with high doses of Fe and Mn. Journal of Electronic Materials, 2002, 31, 336-339.	2.2	10
130	Growth of the dilute magnetic semiconductor GaMnN by molecular-beam epitaxy. Journal of Electronic Materials, 2003, 32, 298-306.	2.2	10
131	Hydrogenation Effects on Magnetic Properties of GaMnP. Electrochemical and Solid-State Letters, 2003, 6, C131.	2.2	10
132	Magnetodielectric coupling in nonmagnetic Au/GaAs:Si Schottky barriers. Physical Review B, 2009, 80, .	3.2	10
133	Thermal time constants of thin-film resistors using pulse nonlinearity measurements. Journal of Applied Physics, 1978, 49, 5250-5255.	2.5	9
134	Evidence for chemical annealing effects in indium oxide tunnel-junction barriers. Journal of Applied Physics, 1978, 49, 6039-6044.	2.5	9
135	Third sound and mass adsorption studies of ^4He on C_{60} . Journal of Low Temperature Physics, 1992, 89, 609-612.	1.4	9
136	Materials with a Buried C_{60} Layer Produced by Direct Wafer Bonding. Journal of the Electrochemical Society, 1994, 141, L137-L138.	2.9	9
137	Ferromagnetic semiconductors based upon AlGaP. Journal of Applied Physics, 2003, 93, 7861-7863.	2.5	9
138	Dipolar interactions and their influence on the critical single domain grain size of Ni in layered $\text{Ni/Al}_2\text{O}_3$ composites. Journal of Physics Condensed Matter, 2008, 20, 385213.	1.8	9
139	Finite size effects with variable range exchange coupling in thin-film Pd/Fe/Pd trilayers. Journal of Magnetism and Magnetic Materials, 2010, 322, 2618-2621.	2.3	9
140	Magnetic and magnetotransport properties of $\text{Ba}_2\text{FeMoO}_6$ pulsed laser deposited thin films. Journal of Applied Physics, 2012, 112, .	2.5	9
141	A collective dynamics description of dipolar interactions and the coercive field of magnetic nanoparticles. Journal of Applied Physics, 2010, 108, 123920.	2.5	8
142	Electronegative ligands enhance charge transfer to Mn^{12} single-molecule magnets deposited on graphene. Journal of Applied Physics, 2020, 127, 064303.	2.5	8
143	Mechanical measurements of two-dimensional flux lattices: Observation of two-stage melting. Physical Review B, 1989, 40, 7354-7356.	3.2	7
144	Coexistence of glassy antiferromagnetism and giant magnetoresistance in Fe/Cr multilayer structures. Journal of Magnetism and Magnetic Materials, 2003, 263, 32-37.	2.3	7

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145	Superparamagnetic Nanocomposites Templated with Pyrazole-Containing Diblock Copolymers. <i>Polymers</i> , 2012, 4, 1211-1225.	4.5	7
146	Detection of charge density wave phase transitions at 1T-TaS ₂ /GaAs interfaces. <i>Applied Physics Letters</i> , 2017, 110, 181603.	3.3	7
147	Bi-2212/1T-TaS ₂ Van der Waals junctions: Interplay of proximity induced high-T _c superconductivity and CDW order. <i>Scientific Reports</i> , 2017, 7, 4639.	3.3	7
148	Ultrasonic investigation of granular superconducting films. <i>Physical Review B</i> , 1991, 43, 505-513.	3.2	6
149	Ultrafast dynamics of superconducting K ₃ C ₆₀ and Rb ₃ C ₆₀ . <i>Physical Review B</i> , 2000, 62, 1366-1378.	3.2	6
150	Magnetic scattering in Fe/Cr multilayers in the ferromagnetic state at low temperatures. <i>Journal of Applied Physics</i> , 2003, 93, 7684-7686.	2.5	6
151	Graphite in the bilayer regime: In-plane transport. <i>Physical Review B</i> , 2009, 80, .	3.2	6
152	Observation of dissipation asymmetries in tunnel junctions at high bias. <i>Physical Review B</i> , 1976, 14, 1751-1757.	3.2	5
153	4He Adsorption and Superfluid Transition on C ₆₀ . <i>Journal of Low Temperature Physics</i> , 1997, 109, 243-265.	1.4	5
154	Strain-induced suppression of weak localization in CVD-grown graphene. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 475304.	1.8	5
155	Superlattice periodicity and magnetic properties of Ba ₂ FeMoO ₆ /Ba _{0.5} Sr _{0.5} TiO ₃ system. <i>Journal of Applied Physics</i> , 2016, 119, 215303.	2.5	5
156	van der Waals Schottky barriers as interface probes of the correlation between chemical potential shifts and charge density wave formation in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \rangle T \langle \text{mml:mi} \rangle \langle \text{mml:mtext} \rangle \hat{a}^? \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \rangle H \langle \text{mml:mi} \rangle \langle \text{mml:mtext} \rangle \hat{a}^? \langle \text{mml:math} \rangle$	3.2	5
157	Physical Review B, 2017, 96, . Magnetic effects of direct ion implantation of Mn and Fe into p-GaN. <i>Journal of Electronic Materials</i> , 2002, 31, 411-415.	2.2	4
158	The effects of oxygen pressure on disordering and magneto-transport properties of Ba ₂ FeMoO ₆ thin films grown via pulsed laser deposition. <i>Journal of Applied Physics</i> , 2015, 118, 033903.	2.5	4
159	Synthesis of graphene and graphene nanostructures by ion implantation and pulsed laser annealing. <i>Journal of Applied Physics</i> , 2016, 120, .	2.5	4
160	Optimization of atomically smooth and metallic surface of SrTiO ₃ . <i>Journal of Applied Physics</i> , 2017, 121, .	2.5	4
161	Anomalous 4He Adsorption to in situ Baked C ₆₀ . <i>Journal of Low Temperature Physics</i> , 1998, 113, 453-458.	1.4	3
162	Thin Film Adsorption of 4He To C ₆₀ . <i>Journal of Low Temperature Physics</i> , 1998, 110, 647-652.	1.4	3

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163	Bad-Metal Behavior: Exotic Physics or a Consequence of Microstructure?. Journal of Superconductivity and Novel Magnetism, 1999, 12, 159-162.	0.5	3
164	Epitaxial Growth of Dilute Magnetic Semiconductors: GaMnN and GaMnP. Materials Research Society Symposia Proceedings, 2001, 674, 1.	0.1	3
165	Competing soft dielectric phases and detailed balance in thin film manganites. Physical Review B, 2012, 86, .	3.2	3
166	Orientational strain modulation of ferroelectric polarization in multiferroic BiMnO ₃ . Applied Physics Letters, 2014, 105, .	3.3	3
167	Strain induced enhancement of magnetization in Ba ₂ FeMoO ₆ based heterostructure with (Ba _x Sr _{1-x})TiO ₃ . Journal of Applied Physics, 2016, 119, .	2.5	3
168	Moderately-doped Schottky barriers: a description using thermionic emission over a wide temperature range. Journal Physics D: Applied Physics, 2016, 49, 455101.	2.8	3
169	Anomalous tunneling into superconducting InOx films. Physical Review Letters, 1990, 65, 666-666.	7.8	2
170	Plasmon Fine Structures in Multiple Inelastic Electron Scattering off C ₆₀ Crystallites. Europhysics Letters, 1994, 27, 519-524.	2.0	2
171	Ion Beam Deposited Gmr Materials. Materials Research Society Symposia Proceedings, 2001, 690, F9.12.1.	0.1	2
172	Ferromagnetic and Paramagnetic Semiconductors Based upon GaN, AlGaN, and GaP. Materials Research Society Symposia Proceedings, 2001, 690, F1.5.1.	0.1	2
173	Measurement of the polarization vector in BiMnO ₃ multiferroic thin films using surface and embedded microelectrodes. Journal of Applied Physics, 2013, 114, 094104.	2.5	2
174	Chelation-assisted assembly of multidentate colloidal nanoparticles into metal-organic nanoparticles. Nanoscale, 2018, 10, 21369-21373.	5.6	2
175	Ultrasonic investigation of amorphous superconducting films. Physical Review B, 1994, 50, 3988-3994.	3.2	1
176	A search for ⁴ He in C ₆₀ interstitial sites. European Physical Journal D, 1996, 46, 421-422.	0.4	1
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