

# Lesley Cohen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4848599/publications.pdf>

Version: 2024-02-01

301  
papers

8,911  
citations

47006

47  
h-index

60623

81  
g-index

306  
all docs

306  
docs citations

306  
times ranked

7753  
citing authors

#	ARTICLE	IF	CITATIONS
1	Large low-field magnetoresistance in La <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> induced by artificial grain boundaries. <i>Nature</i> , 1997, 387, 266-268.	27.8	433
2	Microwave Dielectric Loss of Titanium Oxide. <i>Journal of the American Ceramic Society</i> , 2000, 83, 95-100.	3.8	318
3	Direct observation of magnetic monopole defects in an artificial spin-ice system. <i>Nature Physics</i> , 2010, 6, 359-363.	16.7	308
4	Enhancement of the high-magnetic-field critical current density of superconducting MgB <sub>2</sub> by proton irradiation. <i>Nature</i> , 2001, 411, 561-563.	27.8	287
5	High critical current density and improved irreversibility field in bulk MgB <sub>2</sub> made by a scaleable, nanoparticle addition route. <i>Applied Physics Letters</i> , 2002, 81, 2026-2028.	3.3	204
6	Vortex dynamics in superconducting MgB <sub>2</sub> and prospects for applications. <i>Nature</i> , 2001, 410, 563-565.	27.8	199
7	Magnetic relaxation phenomena and cluster glass properties of La <sub>0.7-x</sub> Y <sub>x</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> manganites. <i>Physical Review B</i> , 2001, 64, .	3.2	191
8	Tailoring SOFC Electrode Microstructures for Improved Performance. <i>Advanced Energy Materials</i> , 2018, 8, 1800120.	19.5	159
9	Defect-induced spin disorder and magnetoresistance in single-crystal and polycrystal rare-earth manganite thin films. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 1998, 356, 1593-1615.	3.4	152
10	First Order Magnetic Transition in Doped CeFe <sub>2</sub> Alloys: Phase Coexistence and Metastability. <i>Physical Review Letters</i> , 2004, 92, 147203.	7.8	128
11	Influence of oxygen stoichiometry on the irreversible magnetization and flux creep in RBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> (R=Y,Tm) single crystals. <i>Physical Review B</i> , 1995, 51, 12704-12714.	3.2	125
12	Specific heat and magnetic order in LaMnO <sub>3</sub> + $\delta$ . <i>Physical Review B</i> , 1999, 60, 12184-12190.	3.2	125
13	Structural, magnetic, electronic, and spin transport properties of epitaxial Fe <sub>3</sub> Si $\delta$ -GaAs(001). <i>Physical Review B</i> , 2005, 71, .	3.2	124
14	Evidence of a magnetic glass state in the magnetocaloric material Gd <sub>5</sub> Ge <sub>4</sub> . <i>Physical Review B</i> , 2006, 74, .	3.2	112
15	Emerging Chirality in Artificial Spin Ice. <i>Science</i> , 2012, 335, 1597-1600.	12.6	107
16	Enhanced spin pumping into superconductors provides evidence for superconducting pure spin currents. <i>Nature Materials</i> , 2018, 17, 499-503.	27.5	107
17	Open questions in the magnetic behaviour of high-temperature superconductors. <i>Reports on Progress in Physics</i> , 1997, 60, 1581-1672.	20.1	102
18	Electromagnetic contribution to surface enhanced Raman scattering revisited. <i>Journal of Chemical Physics</i> , 2003, 119, 5281-5289.	3.0	98

#	ARTICLE	IF	CITATIONS
19	Quantifying Figures of Merit for Localized Surface Plasmon Resonance Applications: A Materials Survey. ACS Photonics, 2019, 6, 240-259.	6.6	93
20	Non-stoichiometry, structural defects and properties of LaMnO <sub>3</sub> + $\delta$ with high $\delta$ values (0.11 to 0.29). Journal of Materials Chemistry, 1997, 7, 2139-2144.	6.7	91
21	Implications of magnetic-hysteresis-loop scaling in high-temperature superconductors. Physical Review B, 1995, 51, 8513-8520.	3.2	84
22	Reducing extrinsic hysteresis in first-order La(Fe,Co,Si) <sub>13</sub> magnetocaloric systems. Applied Physics Letters, 2009, 95, .	3.3	83
23	Thin-film alternating current nanocalorimeter for low temperatures and high magnetic fields. Review of Scientific Instruments, 2005, 76, 043906.	1.3	82
24	Structural, magnetic, and transport properties of thin films of the Heusler alloy Co <sub>2</sub> MnSi. Applied Physics Letters, 2004, 84, 2367-2369.	3.3	78
25	Influence of strain and microstructure on magnetotransport in La <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> thin films. Journal of Applied Physics, 1998, 84, 3939-3948.	2.5	72
26	Flux dynamics associated with the second magnetization peak in the iron pnictide $\text{BaFe}_2\text{As}_2$ . Physical Review B, 2010, 82, .	3.2	70
27	Realization of ground state in artificial kagome spin ice via topological defect-driven magnetic writing. Nature Nanotechnology, 2018, 13, 53-58.	31.5	70
28	Novel La(Fe,Si) <sub>13</sub> /Cu Composites for Magnetic Cooling. Advanced Energy Materials, 2012, 2, 1323-1327.	19.5	69
29	Dynamics of the First-Order Metamagnetic Transition in Magnetocaloric La(Fe,Si) <sub>13</sub> : Reducing Hysteresis. Advanced Energy Materials, 2015, 5, 1401639.	19.5	67
30	Plasmon induced thermoelectric effect in graphene. Nature Communications, 2018, 9, 5190.	12.8	67
31	Metastable magnetic response across the antiferromagnetic to ferromagnetic transition in Gd <sub>5</sub> Ge <sub>4</sub> . Physical Review B, 2004, 70, .	3.2	65
32	Zero-field spin splitting and spin-dependent broadening in high-mobility $\text{InSb}$ quantum well heterostructure. Physical Review B, 2009, 79, .	3.2	63
33	Possibilities and limitations of point-contact spectroscopy for measurements of spin polarization. Physical Review B, 2005, 71, .	3.2	62
34	Raman Spectroscopy as a Probe of Temperature and Oxidation State for Gadolinium-Doped Ceria Used in Solid Oxide Fuel Cells. Journal of Physical Chemistry A, 2008, 112, 1497-1501.	2.5	62
35	Metamagnetism Seeded by Nanostructural Features of Single-Crystalline Gd <sub>5</sub> Si <sub>2</sub> Ge <sub>2</sub> . Advanced Materials, 2009, 21, 3780-3783.	21.0	61
36	The non-random walk of chiral magnetic charge carriers in artificial spin ice. Scientific Reports, 2013, 3, 1252.	3.3	61

#	ARTICLE	IF	CITATIONS
37	Specific heat and entropy change at the first order phase transition of La(Fe-Mn-Si) <sub>13</sub> -H compounds. Journal of Applied Physics, 2015, 118, .	2.5	60
38	Capturing first- and second-order behavior in magnetocaloric $\text{CoMnSi}_{1-x}\text{Mn}_x$ . Physical Review B, 2009, 79, .	3.2	59
39	Enhancement of critical current density in low level Al-doped MgB <sub>2</sub> . Superconductor Science and Technology, 2004, 17, 1093-1096.	3.5	56
40	High-mobility thin InSb films grown by molecular beam epitaxy. Applied Physics Letters, 2004, 84, 4463-4465.	3.3	56
41	Reducing the operational magnetic field in the prototype magnetocaloric system Gd <sub>5</sub> Ge <sub>4</sub> by approaching the single cluster size limit. Applied Physics Letters, 2006, 88, 072501.	3.3	56
42	The electric field within high-temperature superconductors: mapping the E-J-B surface. Superconductor Science and Technology, 1994, 7, 412-422.	3.5	51
43	Synthesis and physical properties of arc melted NiMnSb. Journal of Applied Physics, 2004, 95, 8063-8068.	2.5	51
44	Temperature dependence of the electron Landé $g$ factor in InSb and GaAs. Physical Review B, 2008, 77, .	3.2	50
45	Structural and transport studies of stoichiometric and off-stoichiometric thin films of the full Heusler alloy Co <sub>2</sub> MnSi. Journal of Applied Physics, 2004, 95, 7231-7233.	2.5	48
46	A Raman spectroscopic study of the carbon deposition mechanism on Ni/CGO electrodes during CO/CO <sub>2</sub> electrolysis. Physical Chemistry Chemical Physics, 2014, 16, 13063-13068.	2.8	48
47	Plasmon-Induced Optical Anisotropy in Hybrid Graphene-Metal Nanoparticle Systems. Nano Letters, 2015, 15, 3458-3464.	9.1	48
48	Devitrification of the low temperature magnetic-glass state in Gd <sub>5</sub> Ge <sub>4</sub> . Physical Review B, 2007, 75, .	3.2	47
49	Tunable magnetization dynamics in artificial spin ice via shape anisotropy modification. Physical Review B, 2019, 100, .	3.2	47
50	Correlating the local magnetic properties of the magnetic phase transition in Gd <sub>5</sub> Ge <sub>4</sub> using scanning Hall probe imaging. Physical Review B, 2006, 73, .	3.2	46
51	Giant Piezomagnetism in Mn <sub>3</sub> NiN. ACS Applied Materials & Interfaces, 2018, 10, 18863-18868.	8.0	46
52	A mechanistic study of the interactions between methane and nickel supported on doped ceria. Applied Catalysis B: Environmental, 2019, 248, 332-340.	20.2	45
53	What Happens Inside a Fuel Cell? Developing an Experimental Functional Map of Fuel Cell Performance. ChemPhysChem, 2010, 11, 2714-2731.	2.1	44
54	Exploiting SERS Hot Spots for Disease-Specific Enzyme Detection. Journal of Physical Chemistry C, 2010, 114, 7231-7235.	3.1	44

#	ARTICLE	IF	CITATIONS
55	Raman Spectroscopy of Solid Oxide Fuel Cells: Technique Overview and Application to Carbon Deposition Analysis. Fuel Cells, 2013, 13, 455-469.	2.4	44
56	Effect of Meissner Screening and Trapped Magnetic Flux on Magnetization Dynamics in Thick $\text{NbNi}_{80}\text{Mn}_{20}$ Trilayers. Physical Review Applied, 2019, 11, .	3.8	44
57	Anomalous Hall effect in noncollinear antiferromagnetic $\text{MnMn}_2\text{P}$ thin films. Physical Review Materials, 2019, 3, .	2.3	41
58	Stokes/anti-Stokes anomalies under surface enhanced Raman scattering conditions. Journal of Chemical Physics, 2004, 120, 11746-11753.	3.0	42
59	Point contact Andreev reflection spectroscopy of $\text{NdFeAsO}_{0.85}$ . Superconductor Science and Technology, 2008, 21, 092003.	3.5	42
60	Superconducting critical fields and anisotropy of a $\text{MgB}_2$ single crystal. Superconductor Science and Technology, 2002, 15, 1156-1159.	3.5	41
61	Effects of high vacancy concentrations on the magnetic properties of $\text{La}_{1-x}\text{Mn}_y\text{O}_3$ ( $0.02 \leq x \leq 0.13$ ). Journal of Applied Physics, 1998, 83, 394-399.	2.5	40
62	Growth of strongly biaxially aligned $\text{MgB}_2$ thin films on sapphire by postannealing of amorphous precursors. Applied Physics Letters, 2001, 79, 4001-4003.	3.3	40
63	Structure of the superconducting gap in $\text{MgB}_2$ from point-contact spectroscopy. Superconductor Science and Technology, 2002, 15, 526-532.	3.5	40
64	Spin polarization of the transport current at the free surface of bulk $\text{NiMnSb}$ . Physical Review B, 2004, 69, .	3.2	40
65	Monopole defects and magnetic Coulomb blockade. New Journal of Physics, 2011, 13, 023023.	2.9	40
66	Oblique Hanle measurements of $\text{InAs/GaAs}$ quantum dot spin-light emitting diodes. Applied Physics Letters, 2006, 88, 022113.	3.3	39
67	Direct observation and control of magnetic monopole defects in an artificial spin-ice material. New Journal of Physics, 2011, 13, 063032.	2.9	39
68	Spin-Pumping-Induced Inverse Spin Hall Effect in $\text{NbNi}_{80}\text{Mn}_{20}$ Bilayers and its Strong Decay Across the Superconducting Transition Temperature. Physical Review Applied, 2018, 10, .	3.8	38
69	Andreev reflection spectroscopy of niobium point contacts in a magnetic field. Physical Review B, 2005, 72, .	3.2	37
70	Spontaneous magnetization above $T_C$ in polycrystalline $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ and $\text{La}_{0.7}\text{Ba}_{0.3}\text{MnO}_3$ . Physical Review B, 2014, 90, .	3.2	37
71	Critical fields and critical currents in $\text{MgB}_2$ . Superconductor Science and Technology, 2003, 16, 176-182.	3.5	36
72	Temperature and doping dependence of spin relaxation in $\text{InAs}$ . Physical Review B, 2005, 72, .	3.2	36

#	ARTICLE	IF	CITATIONS
73	Measurement of the magnetocaloric properties of $\text{CoMn}_{1-x}\text{Si}_x$ Alloys for Energy Efficient Magnetic Cooling. Physical Review B, 2008, 78, .	3.2	36
74	Electrolytic Hydriding of $\text{LaFe}_{13}\text{Si}_x$ Alloys for Energy Efficient Magnetic Cooling. Advanced Materials, 2012, 24, 2042-2046.	21.0	36
75	Reduction Dynamics of Doped Ceria, Nickel Oxide, and Cermet Composites Probed Using In Situ Raman Spectroscopy. Advanced Science, 2016, 3, 1500146.	11.2	36
76	Evidence for supercurrent connectivity in conglomerate particles in $\text{NdFeAsO}_{1-x}$ . Superconductor Science and Technology, 2008, 21, 092004.	3.5	35
77	Experimental determination of the Rashba coefficient in $\text{InSb}/\text{InAlSb}$ quantum wells at zero magnetic field and elevated temperatures. Journal of Physics Condensed Matter, 2011, 23, 035801.	1.8	35
78	Transmission electron microscopy and x-ray structural investigation of $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ thin films. Journal of Materials Research, 1998, 13, 2161-2169.	2.6	34
79	Temperature stability of thin film refractory plasmonic materials. Optics Express, 2018, 26, 15726.	3.4	34
80	Scale-Up of Room-Temperature Constructive Quantum Interference from Single Molecules to Self-Assembled Molecular-Electronic Films. Journal of the American Chemical Society, 2020, 142, 8555-8560.	13.7	34
81	Interface effects in highly oriented films of the Heusler alloy $\text{Co}_2\text{MnSi}$ on $\text{GaAs}(001)$ . Journal of Applied Physics, 2006, 99, 013904.	2.5	33
82	Investigation of superconducting gap structure in $\text{TbFeAsO}_{0.9}\text{F}_{0.1}$ using point contact Andreev reflection. New Journal of Physics, 2009, 11, 025015.	2.9	33
83	Physics of single molecule fluctuations in surface enhanced Raman spectroscopy active liquids. Journal of Chemical Physics, 2004, 121, 8901-8910.	3.0	32
84	Geometric manipulation of the high-field linear magnetoresistance in $\text{InSb}$ epilayers on $\text{GaAs}(001)$ . Applied Physics Letters, 2005, 86, 202116.	3.3	32
85	Zero-field spin splitting and spin lifetime in $\text{InSb}$ . $\ln_{1-x}\text{Sb}_x$	3.2	32
86	3D-Printed Structural Pseudocapacitors. Advanced Materials Technologies, 2016, 1, 1600167.	5.8	32
87	Highly aligned, spin polarized thin films of $\text{Sr}_2\text{FeMoO}_6$ by a chemical vapor process. Applied Physics Letters, 2002, 81, 5003-5005.	3.3	31
88	Heat capacity and latent heat measurements of $\text{CoMnSi}$ using a microcalorimeter. Review of Scientific Instruments, 2008, 79, 074901.	1.3	31
89	Plastic pinning replaces collective pinning as the second magnetization peak disappears in the pnictide superconductor $\text{Ba}_{1-x}\text{K}_x\text{FeAs}_2$ . Physical Review B, 2017, 95, .	3.1	31
90	$\text{TiO}_2$ -Enhanced IR Hot Carrier Based Photodetection in Metal Thin Film $\text{Si}$ Junctions. ACS Photonics, 2019, 6, 953-960.	6.6	31

#	ARTICLE	IF	CITATIONS
91	Exchange-field enhancement of superconducting spin pumping. Physical Review B, 2019, 99, .	3.2	31
92	Effect of magnetic field on the two superconducting gaps in MgB <sub>2</sub> . Physical Review B, 2004, 69, .	3.2	30
93	Spin transport parameters of NbN thin films characterized by spin pumping experiments. Physical Review Materials, 2019, 3, .	2.4	30
94	Microwave surface resistance of MgB <sub>2</sub> . Applied Physics Letters, 2002, 80, 2347-2349.	3.3	29
95	Enhanced intergrain magnetoresistance in bulk Sr <sub>2</sub> FeMoO <sub>6</sub> through controlled processing. Applied Physics Letters, 2003, 83, 2384-2386.	3.3	29
96	The microwave surface impedance of MgB <sub>2</sub> thin films. Superconductor Science and Technology, 2003, 16, 1-6.	3.5	29
97	The spin polarization of CrO <sub>2</sub> revisited. Applied Physics Letters, 2007, 91, .	3.3	29
98	Contributions to the entropy change in melt-spun LaFe <sub>11.6</sub> Si <sub>1.4</sub> . Journal Physics D: Applied Physics, 2010, 43, 132001.	2.8	28
99	Evidence for spin mixing in holmium thin film and crystal samples. Physical Review B, 2011, 83, .	3.2	26
100	History dependence of directly observed magnetocaloric effects in (Mn, Fe)As. Applied Physics Letters, 2012, 100, .	3.3	26
101	Tuning the thermoelectrical properties of anthracene-based self-assembled monolayers. Chemical Science, 2020, 11, 6836-6841.	7.4	26
102	Large positive magnetoresistance in nonstoichiometric NiMnSb thin films on silicon. Applied Physics Letters, 2004, 84, 2358-2360.	3.3	25
103	The effect of columnar defects on the pinning properties of NdFeAsO <sub>0.85</sub> conglomerate particles. Superconductor Science and Technology, 2009, 22, 125023.	3.5	25
104	A calorimetric method to detect a weak or distributed latent heat contribution at first order magnetic transitions. Review of Scientific Instruments, 2012, 83, 033901.	1.3	25
105	Alexandrov vortex nucleation and its detrimental effect on superconducting spin pumping in Pt/NbNi <sub>80</sub> thin films.	3.2	25
106	Tunable, Low Optical Loss Strontium Molybdate Thin Films for Plasmonic Applications. Advanced Optical Materials, 2017, 5, 1700622.	7.3	24
107	Highly Stable Plasmon Induced Hot Hole Transfer into Silicon via a SrTiO <sub>3</sub> Passivation Interface. Advanced Functional Materials, 2018, 28, 1705829.	14.9	24
108	Contributions to Hysteresis in Magnetocaloric Materials. Physica Status Solidi (B): Basic Research, 2018, 255, 1700317.	1.5	24



#	ARTICLE	IF	CITATIONS
109	Multisite Exchange-Enhanced Barocaloric Response in $Mn_3NiN$ . Physical Review X, 2018, 8, .	8.9	24
110	Spin relaxation in n-InSb/AlInSb quantum wells. New Journal of Physics, 2006, 8, 49-49.	2.9	23
111	Ultrasmall particle detection using a submicron Hall sensor. Journal of Applied Physics, 2010, 107, 09E708.	2.5	23
112	The Biaxial Strain Dependence of Magnetic Order in Spin Frustrated $Mn_3NiN$ Thin Films. Advanced Functional Materials, 2019, 29, 1902502.	14.9	23
113	Effects of proton irradiation and ageing on the superconducting properties of single crystalline and polycrystalline MgB <sub>2</sub> . Superconductor Science and Technology, 2004, 17, 232-235.	3.5	22
114	Microwave surface resistance in MgB <sub>2</sub> . Superconductor Science and Technology, 2001, 14, L13-L16.	3.5	21
115	Using PCAR to study Cu/Co bilayers. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1471-E1473.	2.3	21
116	Resonance contributions to anti-Stokes/Stokes ratios under surface enhanced Raman scattering conditions. Journal of Chemical Physics, 2005, 123, 084702.	3.0	21
117	The magnetocaloric performance in pure and mixed magnetic phase CoMnSi. Journal Physics D: Applied Physics, 2010, 43, 195001.	2.8	21
118	Fishtail and vortex dynamics in the Ni-doped iron pnictide BaFe <sub>1.82</sub> Ni <sub>0.18</sub> As. Superconducting property and Fe valence state of FeSe thick films grown from high temperature solution. Journal of Alloys and Compounds, 2011, 509, 6350-6353.	3.2	21
119	Disorder-independent control of magnetic monopole defect population in artificial spin-ice honeycombs. New Journal of Physics, 2012, 14, 045010.	5.5	21
120	Identifying the critical point of the weakly first-order itinerant magnet DyCo <sub>2</sub> with complementary magnetization and calorimetric measurements. Physical Review B, 2013, 87, .	2.9	21
121	Electron diffusivities in MgB <sub>2</sub> from point contact spectroscopy. Physical Review B, 2005, 72, .	3.2	20
122	Transport effects in remote-doped InSb/Al <sub>1-x</sub> In <sub>x</sub> Sb heterostructures. New Journal of Physics, 2010, 12, 053022.	2.9	20
123	Ballistic transport and boundary scattering in InSb/In <sub>1-x</sub> Al <sub>x</sub> Sb heterostructures. Physical Review B, 2010, 82, 040402.	3.2	20
124	A novel method for the injection and manipulation of magnetic charge states in nanostructures. Scientific Reports, 2016, 6, 32864.	3.3	20
125	Comparison of dc and microwave resistivity in polycrystalline La <sub>0.7</sub> Y <sub>x</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> samples: Influence of Y at grain boundaries. Journal of Applied Physics, 2000, 88, 4703.	2.5	19



#	ARTICLE	IF	CITATIONS
127	Localized plasmon resonances in inhomogeneous metallic nanoclusters. Chemical Physics Letters, 2004, 383, 577-583.	2.6	19
128	Coexistence of Universal and Topological Anomalous Hall Effects in Metal $\text{CrO}_2$ Thin Films in the Dirty Limit. Physical Review Letters, 2009, 102, 227201.	7.8	19
129	Determining the first-order character of $\text{LaMnO}_3$ . Physical Review B, 2017, 95, .	3.2	19
130	InSb epilayers on GaAs(100) for spintronic and magneto-resistive sensor applications. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 20, 216-219.	2.7	18
131	Strong dependence of spin dynamics on the orientation of an external magnetic field for InSb and InAs. Applied Physics Letters, 2010, 96, 111107.	3.3	18
132	Optimised power harvesting by controlling the pressure applied to molecular junctions. Chemical Science, 2021, 12, 5230-5235.	7.4	18
133	Suppression of Dzyaloshinskii-Moriya spin relaxation in InAs and InSb by n-type doping at 300 K. Applied Physics Letters, 2003, 83, 5220-5222.	3.3	17
134	Temperature insensitivity of the spin-polarization in $\text{Co}_2\text{MnSi}$ films on GaAs (001). New Journal of Physics, 2007, 9, 42-42.	2.9	17
135	Tunable Pure Spin Supercurrents and the Demonstration of Their Gateability in a Spin-Wave Device. Physical Review X, 2020, 10, .	8.9	17
136	Microwave power dependence in Gd 123 and Tl 2212 thin films: Examining the evidence for limiting behavior. Journal of Superconductivity and Novel Magnetism, 1997, 10, 85-90.	0.5	16
137	Intermodulation Measurements on High Temperature Superconducting Thin Films. Journal of Superconductivity and Novel Magnetism, 2001, 14, 29-33.	0.5	16
138	Detection of a Micron-Sized Magnetic Particle Using InSb Hall Sensor. IEEE Transactions on Magnetics, 2009, 45, 4499-4502.	2.1	16
139	Designing a miniaturised heated stage for <i>in situ</i> optical measurements of solid oxide fuel cell electrode surfaces, and probing the oxidation of solid oxide fuel cell anodes using <i>in situ</i> Raman spectroscopy. Review of Scientific Instruments, 2012, 83, 053707.	1.3	16
140	Limitations in artificial spin ice path selectivity: the challenges beyond topological control. New Journal of Physics, 2015, 17, 013054.	2.9	16
141	The impact of surface morphology on the magnetovolume transition in magnetocaloric $\text{LaFe}_{11.8}\text{Si}_{1.2}$ . APL Materials, 2016, 4, 106101.	5.1	16
142	Superconductor-semiconductor interaction effects in mesoscopic hybrid structures. Physical Review B, 1996, 54, 14026-14031.	3.2	15
143	Flux creep associated with bulk pinning and edge barriers in BSCCO-2212 single crystals. Superconductor Science and Technology, 1997, 10, 195-202.	3.5	15
144	Thermally induced nonlinear behaviour of HTS films at high microwave power. Superconductor Science and Technology, 2002, 15, 559-565.	3.5	15

#	ARTICLE	IF	CITATIONS
145	Microstructural characterization of $\text{Yb}_{2-x}\text{Cu}_3\text{O}_{7-\delta}$ thick films grown at very high rates and high temperatures by pulsed laser deposition. <i>Journal of Materials Research</i> , 2003, 18, 956-964.	2.6	15
146	Microwave intermodulation distortion of $\text{MgB}_2$ thin films. <i>Applied Physics Letters</i> , 2003, 82, 4525-4527.	3.3	15
147	Effect of chemical substitution on the electronic properties of highly aligned thin films of $\text{Sr}_{2-x}\text{A}_x\text{FeMoO}_6$ (A=Ca, Ba, La; x=0, 0.1). <i>Journal of Applied Physics</i> , 2003, 94, 4714-4716.	2.5	15
148	The role of impurity band conduction in the low temperature characteristics of thin $\text{InSb}$ films grown by molecular beam epitaxy. <i>Semiconductor Science and Technology</i> , 2004, 19, 1406-1410.	2.0	15
149	Dynamics of magnetic phase cluster formation in the field-driven AFM $\rightarrow$ FM transition in $\text{Gd}_5\text{Ge}_4$ . <i>Journal of Physics Condensed Matter</i> , 2007, 19, 176213.	1.8	15
150	Sub-100-nm negative bend resistance ballistic sensors for high spatial resolution magnetic field detection. <i>Applied Physics Letters</i> , 2011, 98, 062106.	3.3	15
151	Influence of oxygen deficiency on anisotropy and $c$ -axis critical current densities in single crystals. <i>Superconductor Science and Technology</i> , 1999, 12, 135-141.	3.5	14
152	Spin lifetime in $\text{InAs}$ epitaxial layers grown on $\text{GaAs}$ . <i>Physical Review B</i> , 2006, 74, .	3.2	14
153	Tuning the inherent magnetoresistance of $\text{InSb}$ thin films. <i>Applied Physics Letters</i> , 2006, 88, 012110.	3.3	14
154	Spin lifetime in high quality $\text{InSb}$ epitaxial layers grown on $\text{GaAs}$ . <i>Journal of Applied Physics</i> , 2007, 101, 083105.	2.5	14
155	Study of the dynamical features of the austenite-martensite phase transition in the $\text{Ni}_{50}(\text{Mn})_{50}$ . <i>Journal of Applied Physics</i> , 2007, 101, 074314.	2.5	14
156	Influence of Cu substrate topography on the growth morphology of chemical vapour deposited graphene. <i>Carbon</i> , 2013, 65, 7-12.	10.3	14
157	Spin-orbit coupling suppression and singlet-state blocking of spin-triplet Cooper pairs. <i>Science Advances</i> , 2021, 7, .	10.3	14
158	Multi-component self-assembled molecular-electronic films: towards new high-performance thermoelectric systems. <i>Chemical Science</i> , 2022, 13, 5176-5185.	7.4	14
159	Raman study of $\text{Bi}_{2-x}\text{Pb}_x\text{Sr}_2\text{Ca}_{n-1}\text{Cu}_n\text{O}_{4+2n-\delta}$ ( $n=2,3$ ) superconductors. <i>Physical Review B</i> , 2000, 62, 1379-1386.	3.2	13
160	Spin Relaxation by Transient Monopolar and Bipolar Optical Orientation. <i>Physical Review Letters</i> , 2006, 96, 096603.	7.8	13
161	Dimensional crossover and weak localization in a 90 nm $n$ - $\text{GaAs}$ thin film. <i>Applied Physics Letters</i> , 2009, 95, 12113.	3.3	13
162	Room temperature ballistic transport in $\text{InSb}$ quantum well nanodevices. <i>Applied Physics Letters</i> , 2011, 99, 242101-2421013.	3.3	13

#	ARTICLE	IF	CITATIONS
163	Andreev spectroscopy of CrO <sub>2</sub> thin films on TiO <sub>2</sub> and Al <sub>2</sub> O <sub>3</sub> . Europhysics Letters, 2013, 103, 67005.	2.0	13
164	The field dependence of the microwave vortex pinning parameters: evidence for collective pinning effects and unconventional frictional damping. Superconductor Science and Technology, 1997, 10, 936-943.	3.5	12
165	Spin-polarized transport current in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle$ type codoped ZnO thin films measured by Andreev spectroscopy. Physical Review B, 2009, 80, .	3.2	12
166	Quantum well mobility and the effect of gate dielectrics in remote doped InSb/Al <sub>x</sub> In <sub>1-x</sub> Sb heterostructures. Semiconductor Science and Technology, 2010, 25, 125005.	2.0	12
167	Cross-plane conductance through a graphene/molecular monolayer/Au sandwich. Nanoscale, 2018, 10, 19791-19798.	5.6	12
168	Study of Nb <sub>0.18</sub> Re <sub>0.82</sub> non-centrosymmetric superconductor in the normal and superconducting states. Superconductor Science and Technology, 2019, 32, 055003.	3.5	12
169	A cryogenic microwave scanning near-field probe: Application to study of high-T <sub>c</sub> superconductors. Review of Scientific Instruments, 1999, 70, 4348-4355.	1.3	11
170	Magnetotransport properties of La <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> thick films prepared by spray pyrolysis. Journal of Materials Research, 2001, 16, 784-789.	2.6	11
171	Spectroscopic ellipsometry study of Co-doped TiO <sub>2</sub> films. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 880-883.	1.8	11
172	Local probing of arrested kinetics in Gd <sub>5</sub> Ge <sub>4</sub> . Journal of Physics Condensed Matter, 2008, 20, 465212.	1.8	11
173	Transverse focusing of spin-polarized photocurrents. Physical Review B, 2012, 85, .	3.2	11
174	In-Operando Raman Spectroscopy Study of Passivation Effects on Ni-CGO Electrodes in CO <sub>2</sub> Electrolysis Conditions. ECS Transactions, 2013, 57, 3111-3117.	0.5	11
175	Observation of wrinkle induced potential drops in biased chemically derived graphene thin film networks. Carbon, 2013, 64, 35-44.	10.3	11
176	Low temperature and high field regimes of connected kagome artificial spin ice: the role of domain wall topology. Scientific Reports, 2016, 6, 30218.	3.3	11
177	Josephson coupling, in-plane pinning, and vortex dimensionality in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + $\delta$ . Physical Review B, 1995, 51, 9368-9371.	3.2	10
178	Raman studies of laser-written patterns in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> films. Journal of Applied Physics, 1996, 80, 2929-2934.	2.5	10
179	Effect of deoxygenation on the vortex dynamics in RBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> high-temperature superconductors. Physical Review B, 1997, 55, 8110-8113.	3.2	10
180	Nonlinear microwave response of an MgB <sub>2</sub> thin film. Superconductor Science and Technology, 2004, 17, 681-684.	3.5	10

#	ARTICLE	IF	CITATIONS
181	Comparison of free surface polarization of NiMnSb and Co <sub>2</sub> MnSi. Applied Physics Letters, 2006, 88, 142512.	3.3	10
182	Suppression of the parasitic buffer layer conductance in InSb/Al <sub>x</sub> In <sub>1-x</sub> heterostructures using a wide-band-gap barrier layer. Physical Review B, 2011, 84, .	3.2	10
183	Quantifying the deleterious role of strong correlations in the magnetocaloric transition. Physical Review B, 2015, 91, .	3.2	10
184	Low-temperature specific heat in hydrogenated and Mn-doped La <sub>1-x</sub> Mg <sub>x</sub> Al <sub>2</sub> O <sub>7</sub> . Physical Review B, 2016, 94, .	3.2	10
185	Doping Dependence of the Second Magnetization Peak, Critical Current Density, and Pinning Mechanism in BaFe <sub>2</sub> As <sub>2</sub> Ni <sub>x</sub> As <sub>2-2x</sub> Pnictide Superconductors. ACS Applied Electronic Materials, 2019, 1, 179-188.	4.3	10
186	Peculiarities of the phase transformation dynamics in bulk FeRh based alloys from magnetic and structural measurements. Journal of Magnetism and Magnetic Materials, 2021, 522, 167560.	2.3	10
187	Highly disordered intergrowths in Sr <sub>2</sub> FeMoO <sub>6</sub> . Journal of Applied Physics, 2004, 96, 7747-7749.	2.5	9
188	Angular dependence of the order-disorder transition in proton irradiated single crystal MgB <sub>2</sub> . Physical Review B, 2005, 71, .	3.2	9
189	Scanned micro-Hall microscope for detection of biofunctionalized magnetic beads. Applied Physics Letters, 2007, 90, 162502.	3.3	9
190	Visual evidence of the magnetic glass state and its re-crystallization in Gd <sub>5</sub> Ge <sub>4</sub> . Europhysics Letters, 2008, 83, 57006.	2.0	9
191	A nanoscale Ti/GaAs metal-semiconductor hybrid sensor for room temperature light detection. Applied Physics Letters, 2010, 97, 082105.	3.3	9
192	Thermopower of LaFe <sub>13</sub> Si <sub>x</sub> alloys. Europhysics Letters, 2012, 100, 57009.	2.0	9
193	Vortex dynamics as a function of field orientation in BaFe <sub>1.9</sub> Ni <sub>0.1</sub> As <sub>2</sub> . Superconductor Science and Technology, 2013, 26, 025006.	3.5	9
194	Nucleation and dynamics of the metamagnetic transition in magnetocaloric La(Fe,Mn,Si) <sub>13</sub> . Journal Physics D: Applied Physics, 2017, 50, 424004.	2.8	9
195	Strain dependence of Berry-phase-induced anomalous Hall effect in the non-collinear antiferromagnet Mn <sub>3</sub> NiN. Applied Physics Letters, 2021, 119, .	3.3	9
196	A study of 2H trapping in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-δ</sub> /LaAlO <sub>3</sub> samples under 2H+ irradiation. Journal of Applied Physics, 1994, 75, 4081-4084.	2.5	8
197	Effective vortex pinning in MgB <sub>2</sub> thin films. Superconductor Science and Technology, 2002, 15, 1392-1397.	3.5	8
198	Thickness dependence of Hall transport in Ni <sub>1.15</sub> Mn <sub>0.85</sub> Sb thin films on silicon. Physical Review B, 2004, 69, .	3.2	8

#	ARTICLE	IF	CITATIONS
199	Phase stability and optimum oxygenation conditions for Sr <sub>2</sub> FeMoO <sub>6</sub> formation. Applied Physics Letters, 2005, 87, 112505.	3.3	8
200	Spin Dynamics in Narrow-Gap Semiconductor Epitaxial Layers. Journal of Superconductivity and Novel Magnetism, 2007, 20, 461-465.	1.8	8
201	Interface properties of Pb <sup>2+</sup> /InAs planar structures for Andreev spectroscopy. Applied Physics Letters, 2008, 92, .	3.3	8
202	Evidence for nodal superconductivity in Sr <sub>2</sub> ScFePO <sub>3</sub> . Superconductor Science and Technology, 2010, 23, 022001.	3.5	8
203	A scanning Hall probe imaging study of the field induced martensite-austenite phase transition in Ni <sub>50</sub> Mn <sub>34</sub> In <sub>16</sub> alloy. Journal of Physics Condensed Matter, 2010, 22, 016008.	1.8	8
204	Electron transport lifetimes in InSb/Al <sub>1-x</sub> In <sub>x</sub> /Sb quantum well 2DEGs. Semiconductor Science and Technology, 2017, 32, 085002.	2.0	8
205	The Reduction Properties of M <sup>2+</sup> -Doped (M=Zr, Gd) CeO <sub>2</sub> /YSZ Scaffolds Co-Infiltrated with Nickel. Energy Technology, 2018, 6, 2045-2052.	3.8	8
206	Experimentally correlating thermal hysteresis and phase compatibility in multifunctional Heusler alloys. Physical Review Materials, 2020, 4, .	2.4	8
207	Assembly, structure and thermoelectric properties of 1,1'-dialkynylferrocene hinges <sup>TM</sup> . Chemical Science, 2022, 13, 8380-8387.	7.4	8
208	Identifying the octupole antiferromagnetic domain orientation in Mn <sub>3</sub> NiN by scanning anomalous Nernst effect microscopy. Applied Physics Letters, 2022, 120, .	3.3	8
209	A study on the nonlinear microwave electrodynamic response of e-beam evaporated MgB <sub>2</sub> superconducting thin films. Superconductor Science and Technology, 2003, 16, 260-263.	3.5	7
210	Superconducting gap structure and pinning in disordered MgB <sub>2</sub> films. Superconductor Science and Technology, 2004, 17, S350-S354.	3.5	7
211	Raman spectroscopy of highly aligned thin films of Sr <sub>2</sub> FeMoO <sub>6</sub> . Journal of Raman Spectroscopy, 2004, 35, 1081-1085.	2.5	7
212	The superconducting properties of co-doped polycrystalline MgB <sub>2</sub> . Superconductor Science and Technology, 2007, 20, S278-S281.	3.5	7
213	Magnetotransport of proton-irradiatedBaFe <sub>2</sub> As <sub>2</sub> andBaFe <sub>1.985</sub> Co <sub>0.015</sub> As <sub>2</sub> single crystals. Physical Review B, 2015, 91, .	3.2	7
214	The La(Fe,Mn,Si) <sub>13</sub> H <sub>z</sub> magnetic phase transition under pressure. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700143.	2.4	7
215	Barocaloric properties of quaternary Mn <sub>3</sub> N for room-temperature refrigeration applications. Physical Review B, 2021, 104, .	3.2	7
216	Narrow dip in the angular dependence of the irreversible magnetic moment in columnar-defectedYBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> single crystals. Physical Review B, 1998, 58, 8820-8825.	3.2	6

#	ARTICLE	IF	CITATIONS
217	Reentrant metal-insulator-type transition induced by high fluence chromium ion implantation of La <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> thin films. Applied Physics Letters, 1998, 73, 1005-1007.	3.3	6
218	Magnetism and electronic transport in Sr <sub>4-x</sub> La <sub>x</sub> Ru <sub>2-x</sub> Mn <sub>x</sub> O <sub>9</sub> : Interplay of Mn and Ru redox chemistry. Journal of Applied Physics, 2005, 97, 10A304.	2.5	6
219	Prospects for detection of spin accumulation using submicron planar Andreev array spectroscopy. Applied Physics Letters, 2006, 89, 262505.	3.3	6
220	Preparation of InAs(0001) surface for spin injection via a chemical route. Journal Physics D: Applied Physics, 2007, 40, 3190-3193.	2.8	6
221	High-Purity FeSe <sub>1-x</sub> Superconductors Prepared by Solid-State Synthesis and Liquid Phase Processing. Journal of the American Ceramic Society, 2010, 93, 3195-3200.	3.8	6
222	Magnetic relaxation dynamics driven by the first-order character of magnetocaloric La(Fe,Mn,Si) <sub>13</sub> . Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150307.	3.4	6
223	Adsorption dynamics of CVD graphene investigated by a contactless microwave method. 2D Materials, 2018, 5, 035024.	4.4	6
224	Fine control of Curie temperature of magnetocaloric alloys La(Fe,Co,Si) <sub>13</sub> using electrolytic hydriding. Scripta Materialia, 2020, 175, 33-37.	5.2	6
225	Spin polarisation and anomalous Hall effect in NiMnSb films. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1399-E1401.	2.3	5
226	Observation of bevelled GaSb/InAs quantum wells by Raman mapping. Journal of Raman Spectroscopy, 2005, 36, 978-983.	2.5	5
227	Local enhancement of the upper critical field in niobium point contacts. Superconductor Science and Technology, 2005, 18, 1176-1178.	3.5	5
228	Exploration of the inherent magnetoresistance in InSb thin films. Semiconductor Science and Technology, 2006, 21, 1543-1546.	2.0	5
229	Hall Imaging of the History Dependence of the Magnetocaloric Effect in Gd <sub>5</sub> Si <sub>2.09</sub> Ge <sub>1.91</sub> . IEEE Transactions on Magnetics, 2008, 44, 3233-3236.	2.1	5
230	Multifunctional semiconductor micro-Hall devices for magnetic, electric, and photo-detection. Applied Physics Letters, 2015, 107, .	3.3	5
231	Andreev bound states in superconductor/ferromagnet point contact Andreev reflection spectra. Physical Review B, 2017, 95, .	3.2	5
232	Field, temperature, and angle dependence of the critical current density in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>10</sub> /Ag ribbons. Journal of Superconductivity and Novel Magnetism, 1995, 8, 37-42.	0.5	4
233	'Universal' creep rates in superconductors. Superconductor Science and Technology, 1995, 8, 366-367.	3.5	4
234	The microwave power handling of an FIB-generated weak link in a YBCO film. Superconductor Science and Technology, 1999, 12, 431-435.	3.5	4

#	ARTICLE	IF	CITATIONS
235	Kelvin probe force microscopy of beveled semiconductors. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2002, 20, 2133.	1.6	4
236	Amplification of local fields in disordered metallic structures. New Journal of Physics, 2004, 6, 142-142. Low-temperature Schottky barrier tunneling in $\text{In}_x\text{Mn}_{1-x}\text{As}$	2.9	4
237	$\ln \frac{S_b}{S_a} \approx \frac{1}{2} \ln \frac{A}{A_0} \approx \frac{1}{2} \ln \frac{1}{1 - \alpha^2} \approx \frac{1}{2} \alpha^2$	3.2	4
238	The effect of magnesium vacancies on the $\Gamma$ intraband scattering in $\text{Mg}_x\text{B}_2$ as determined by point contact Andreev reflection. Applied Physics Letters, 2007, 91, 122501.	3.3	4
239	Preparation of Ferromagnetic Cobalt Substituted $\text{TiO}_2$ (Anatase) Thin Films by Electrochemical Deposition. Chemistry of Materials, 2007, 19, 3084-3086.	6.7	4
240	Anisotropy and c-axis current densities in $\text{TmBa}_2\text{Cu}_3\text{O}_y$ single crystals. European Physical Journal D, 1996, 46, 1775-1776.	0.4	3
241	Structure and Magnetic Properties of $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ for $3 < T < 3.0$ . Journal of the American Ceramic Society, 2001, 84, 747-752.	3.8	3
242	Dynamic interactions between pancake vortex stacks and Josephson vortices in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ single crystals: relaxation and ratchets. Superconductor Science and Technology, 2005, 18, 1290-1293.	3.5	3
243	Evidence for dislocation-related amphoteric behaviour of Si dopant in high-mobility InSb thin films. Semiconductor Science and Technology, 2005, 20, 1153-1156.	2.0	3
244	Origin of Hysteresis in $\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ . Materials Research Society Symposia Proceedings, 2011, 1310, 1.	0.1	3
245	Observation of spin dependent photocoductivity in InSb quantum well nanowires. Applied Physics Letters, 2012, 101, 152407.	3.3	3
246	In-Operando Raman Characterization of Carbon Deposition on SOFC Anodes. ECS Transactions, 2013, 57, 1619-1626.	0.5	3
247	Scanning Hall Probe Imaging of $\text{LaFe}_{13-x}\text{Si}_x$ . Advances in Science and Technology, 2014, 93, 219-224.	0.2	3
248	Overview of the Characteristic Features of the Magnetic Phase Transition with Regards to the Magnetocaloric Effect: the Hidden Relationship Between Hysteresis and Latent Heat. Metallurgical and Materials Transactions E, 2014, 1, 153-159.	0.5	3
249	Electric power transfer in spin-pumping experiments. Applied Physics Express, 2018, 11, 013004.	2.4	3
250	Comparison of the ultrafast hot electron dynamics of titanium nitride and gold for plasmonic applications. , 2017, , .		3
251	Comparison of dynamic relaxation in columnar defected and virgin crystals. Superconductor Science and Technology, 1998, 11, 866-874.	3.5	2
252	Intermodulation distortion in HTS thin films: a global heating model. Physica C: Superconductivity and Its Applications, 2002, 372-376, 469-473.	1.2	2



#	ARTICLE	IF	CITATIONS
253	Electrical characterization of MgO tunnel barriers grown on InAs (001) epilayers. Applied Physics Letters, 2007, 91, 122106.	3.3	2
254	Characterisation of Combinatorial Libraries of Perovskite Materials for SOFC Cathode Applications. ECS Transactions, 2007, 7, 1005-1013.	0.5	2
255	Contributions to the entropy change in melt-spun $\text{LaFe}_{1.6}\text{Si}_{1.4}$ . Journal Physics D: Applied Physics, 2012, 45, 179501.	2.8	2
256	Signatures of filamentary superconductivity in antiferromagnetic $\text{BaFe}_2\text{As}_2$ single crystals. Europhysics Letters, 2015, 111, 37005.	2.0	2
257	Andreev reflection spectroscopy in transition metal oxides. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20150001.	3.4	2
258	Hexapod Hall scanner for high-resolution large area magnetic imaging. Review of Scientific Instruments, 2018, 89, 065111.	1.3	2
259	Correlated disorder and scaling in single crystals of BSCCO 2212. European Physical Journal D, 1996, 46, 1685-1686.	0.4	1
260	Characterization of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ thin films deposited by dc magnetron sputtering. Journal of Materials Science, 1996, 31, 6137-6144.	3.7	1
261	Influence of Mn-O bond length on carrier localization in $\text{La}_{1-x}(\text{Ca,Sr})_x\text{MnO}_3$ , where $x = 0.28$ to $0.375$ . Journal of Materials Research, 2000, 15, 1167-1175.	2.6	1
262	Investigation of microwave losses in superconducting liquid phase epitaxy $\text{Y}_{0.7}\text{Yb}_{0.3}\text{Ba}_2\text{Cu}_3\text{O}_7$ films. Superconductor Science and Technology, 2003, 16, 654-659.	3.5	1
263	Single- and double-beam pulsed laser deposition of ferromagnetic half-Heusler NiMnSb and MnSb/NiMnSb alloys: applications to spintronics. , 2004, , .		1
264	Failure analysis of high temperature superconducting films at high microwave power using microsecond time domain measurements. Applied Physics Letters, 2005, 86, 092506.	3.3	1
265	The effect of molecular oxygen on the thermal conductance of multi-walled nanotubes – a preliminary investigation. Physica Status Solidi (B): Basic Research, 2006, 243, 3380-3384.	1.5	1
266	Mapping the dynamic interactions between vortex species in highly anisotropic superconductors. Superconductor Science and Technology, 2008, 21, 075019.	3.5	1
267	Extracting the diffusivity ratio from point contact Andreev reflection spectroscopy and upper critical field measurements in $\text{MgB}_2$ . Journal of Physics: Conference Series, 2008, 97, 012213.	0.4	1
268	Asymmetry of the latent heat signature in <i>b</i> -axis oriented single crystal $\text{Gd}_5\text{Si}_2\text{Ge}_2$ . Materials Research Society Symposia Proceedings, 2011, 1310, 1.	0.1	1
269	Mending the broken pipe. Physics World, 2012, 25, 16-17.	0.0	1
270	In-Situ Raman Characterization of SOFC Anodes. Materials Research Society Symposia Proceedings, 2012, 1385, 1.	0.1	1

#	ARTICLE	IF	CITATIONS
271	High resolution InSb quantum well ballistic nanosensors for room temperature applications. , 2013, , .		1
272	3D Printing: 3D-Printed Structural Pseudocapacitors (Adv. Mater. Technol. 9/2016). Advanced Materials Technologies, 2016, 1, .	5.8	1
273	<i>Applied Physics Letters</i> welcomes papers in Quantum Technologies. Applied Physics Letters, 2020, 116, .	3.3	1
274	To boldly go: New frontiers for APL. Applied Physics Letters, 2020, 117, .	3.3	1
275	Tunable double epsilon-near-zero behavior in niobium oxynitride thin films. Applied Surface Science, 2021, 569, 150912.	6.1	1
276	Planar Andreev Spectroscopy in InAs. AIP Conference Proceedings, 2007, , .	0.4	1
277	Hot carrier optoelectronics with titanium nitride. , 2020, , .		1
278	Scaling and flux dynamics in YBCO 124, YBCO 123 and BSCCO 2212 single crystals. European Physical Journal D, 1996, 46, 1609-1610.	0.4	0
279	Effects of Chromium Ion Implantation on the Magneto-Transport Properties of La <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> Thin Films. Materials Research Society Symposia Proceedings, 1997, 494, 323.	0.1	0
280	The Nonlinear Microwave Characteristics of High-Temperature Superconducting Resonators. Journal of Superconductivity and Novel Magnetism, 1999, 12, 655-659.	0.5	0
281	Tuning hole transport in a highly dispersed blend of chemically similar polyfluorene copolymers. , 2006, 6333, 228.		0
282	Characterization of Superconducting Thin Films Using a Generic Property of Resonators. Journal of Superconductivity and Novel Magnetism, 2006, 19, 107-110.	1.8	0
283	Full-Heusler Co-based alloys grown by pulsed laser ablation: structural, optical, and magnetic characterizations. , 2006, , .		0
284	Inherent magnetoresistance and surface morphology of InSb thin films. AIP Conference Proceedings, 2007, , .	0.4	0
285	Oblique Hanle Measurements of InAs/GaAs Quantum Dot Spin-Light Emitting Diodes. AIP Conference Proceedings, 2007, , .	0.4	0
286	Improved Geometric Control of the High-Field Linear Magnetoresistance by Metallic Bridges in InSb Arrays. AIP Conference Proceedings, 2007, , .	0.4	0
287	Characterization of Superconducting Thin Films Using a Generic Property of Resonators. Journal of Superconductivity and Novel Magnetism, 2007, 19, 633-636.	1.8	0
288	Publisher's Note: Zero-field spin splitting and spin-dependent broadening in high-mobility quantum. Physical Review B, 2010, 81, .	3.2	0

#	ARTICLE	IF	CITATIONS
289	Monitoring Solid Oxide Fuel Cell Processes Using In-Situ Raman Spectroscopy. , 2010, , .		0
290	In-Situ Raman Spectroscopy of Graphene Defects in Reducing Atmospheres at High Temperature. , 2010, , .		0
291	Inverse-Extraordinary Optoconductance in Ti <sup>d</sup> •Au <sup>u</sup> •GaAs Hybrid Structures. , 2011, , .		0
292	Ballistic transport effects in a sub-micron InSb quantum well cross structure. , 2011, , .		0
293	Photon induced Schottky barrier effects in inverse-extraordinary optoconductance structures. , 2013, , .		0
294	View from the Bridge. Applied Physics Letters, 2019, 115, .	3.3	0
295	IR hot carrier based photodetection in titanium nitride oxide thin film-Si junctions. MRS Advances, 2020, 5, 1843-1850.	0.9	0
296	Influence of Microstructure and Magnetic State on Low Temperature Magnetoresistance Properties of Bulk LA0.7-xYxCA0.3MnO3. , 2000, , 57-65.		0
297	Magneto-Optical Properties of Co-doped TiO2 Thin Films Grown by Pulsed Laser Deposition. AIP Conference Proceedings, 2007, , .	0.4	0
298	Plasmonic photo-thermo-electric effect in graphene. , 2019, , .		0
299	Density and Well-Width Dependence of the Spin Relaxation in n-InSb/AlInSb Quantum Wells. Springer Proceedings in Physics, 2008, , 19-21.	0.2	0
300	Temperature Dependence of the Electron Lande g-Factor in InSb. Springer Proceedings in Physics, 2008, , 27-29.	0.2	0
301	Applied Physics Letters 2022 60th Anniversary Editorial. Applied Physics Letters, 2022, 120, 110401.	3.3	0