

Lesley Cohen

List of Publications by Year in descending order

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301
papers

8,911
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53939

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times ranked

8551
citing authors

#	ARTICLE	IF	CITATIONS
1	Large low-field magnetoresistance in La _{0.7} Ca _{0.3} MnO ₃ induced by artificial grain boundaries. <i>Nature</i> , 1997, 387, 266-268.	13.7	433
2	Microwave Dielectric Loss of Titanium Oxide. <i>Journal of the American Ceramic Society</i> , 2000, 83, 95-100.	1.9	318
3	Direct observation of magnetic monopole defects in an artificial spin-ice system. <i>Nature Physics</i> , 2010, 6, 359-363.	6.5	308
4	Enhancement of the high-magnetic-field critical current density of superconducting MgB ₂ by proton irradiation. <i>Nature</i> , 2001, 411, 561-563.	13.7	287
5	High critical current density and improved irreversibility field in bulk MgB ₂ made by a scaleable, nanoparticle addition route. <i>Applied Physics Letters</i> , 2002, 81, 2026-2028.	1.5	204
6	Vortex dynamics in superconducting MgB ₂ and prospects for applications. <i>Nature</i> , 2001, 410, 563-565.	13.7	199
7	Magnetic relaxation phenomena and cluster glass properties of La _{0.7-x} Y _x Ca _{0.3} MnO ₃ manganites. <i>Physical Review B</i> , 2001, 64, .	1.1	191
8	Tailoring SOFC Electrode Microstructures for Improved Performance. <i>Advanced Energy Materials</i> , 2018, 8, 1800120.	10.2	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.	1.6	152
10	First Order Magnetic Transition in Doped CeFe ₂ Alloys: Phase Coexistence and Metastability. <i>Physical Review Letters</i> , 2004, 92, 147203.	2.9	128
11	Influence of oxygen stoichiometry on the irreversible magnetization and flux creep in RBa ₂ Cu ₃ O _{7-δ} (R=Y,Tm) single crystals. <i>Physical Review B</i> , 1995, 51, 12704-12714.	1.1	125
12	Specific heat and magnetic order in LaMnO ₃ + δ . <i>Physical Review B</i> , 1999, 60, 12184-12190.	1.1	125
13	Structural, magnetic, electronic, and spin transport properties of epitaxial Fe ₃ Si δ -GaAs(001). <i>Physical Review B</i> , 2005, 71, .	1.1	124
14	Evidence of a magnetic glass state in the magnetocaloric material Gd ₅ Ge ₄ . <i>Physical Review B</i> , 2006, 74, .	1.1	112
15	Emerging Chirality in Artificial Spin Ice. <i>Science</i> , 2012, 335, 1597-1600.	6.0	107
16	Enhanced spin pumping into superconductors provides evidence for superconducting pure spin currents. <i>Nature Materials</i> , 2018, 17, 499-503.	13.3	107
17	Open questions in the magnetic behaviour of high-temperature superconductors. <i>Reports on Progress in Physics</i> , 1997, 60, 1581-1672.	8.1	102
18	Electromagnetic contribution to surface enhanced Raman scattering revisited. <i>Journal of Chemical Physics</i> , 2003, 119, 5281-5289.	1.2	98

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19	Quantifying Figures of Merit for Localized Surface Plasmon Resonance Applications: A Materials Survey. ACS Photonics, 2019, 6, 240-259.	3.2	93
20	Non-stoichiometry, structural defects and properties of $\text{LaMnO}_{3+\delta}$ with high δ 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.	1.1	84
22	Reducing extrinsic hysteresis in first-order $\text{La}(\text{Fe},\text{Co},\text{Si})_{13}$ magnetocaloric systems. Applied Physics Letters, 2009, 95, .	1.5	83
23	Thin-film alternating current nanocalorimeter for low temperatures and high magnetic fields. Review of Scientific Instruments, 2005, 76, 043906.	0.6	82
24	Structural, magnetic, and transport properties of thin films of the Heusler alloy Co_2MnSi . Applied Physics Letters, 2004, 84, 2367-2369.	1.5	78
25	Influence of strain and microstructure on magnetotransport in $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ thin films. Journal of Applied Physics, 1998, 84, 3939-3948.	1.1	72
26	Flux dynamics associated with the second magnetization peak in the iron pnictide BaFe_2As_2 . Physical Review B, 2010, 82, .	1.1	70
27	Realization of ground state in artificial kagome spin ice via topological defect-driven magnetic writing. Nature Nanotechnology, 2018, 13, 53-58.	15.6	70
28	Novel $\text{La}(\text{Fe},\text{Si})_{13}/\text{Cu}$ Composites for Magnetic Cooling. Advanced Energy Materials, 2012, 2, 1323-1327.	10.2	69
29	Dynamics of the First-Order Metamagnetic Transition in Magnetocaloric $\text{La}(\text{Fe},\text{Si})_{13}$: Reducing Hysteresis. Advanced Energy Materials, 2015, 5, 1401639.	10.2	67
30	Plasmon induced thermoelectric effect in graphene. Nature Communications, 2018, 9, 5190.	5.8	67
31	Metastable magnetic response across the antiferromagnetic to ferromagnetic transition in Gd_5Ge_4 . Physical Review B, 2004, 70, .	1.1	65
32	Zero-field spin splitting and spin-dependent broadening in high-mobility InSb quantum well heterostructure. Physical Review B, 2009, 79, .	1.1	63
33	Possibilities and limitations of point-contact spectroscopy for measurements of spin polarization. Physical Review B, 2005, 71, .	1.1	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.	1.1	62
35	Metamagnetism Seeded by Nanostructural Features of Single-Crystalline $\text{Gd}_5\text{Si}_2\text{Ge}_2$. Advanced Materials, 2009, 21, 3780-3783.	11.1	61
36	The non-random walk of chiral magnetic charge carriers in artificial spin ice. Scientific Reports, 2013, 3, 1252.	1.6	61

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37	Specific heat and entropy change at the first order phase transition of La(Fe-Mn-Si) ₁₃ -H compounds. Journal of Applied Physics, 2015, 118, .	1.1	60
38	Capturing first- and second-order behavior in magnetocaloric $\text{CoMnSi}_{1-x}\text{Mn}_x$. Physical Review B, 2009, 79, .	1.1	59
39	Enhancement of critical current density in low level Al-doped MgB ₂ . Superconductor Science and Technology, 2004, 17, 1093-1096.	1.8	56
40	High-mobility thin InSb films grown by molecular beam epitaxy. Applied Physics Letters, 2004, 84, 4463-4465.	1.5	56
41	Reducing the operational magnetic field in the prototype magnetocaloric system Gd ₅ Ge ₄ by approaching the single cluster size limit. Applied Physics Letters, 2006, 88, 072501.	1.5	56
42	The electric field within high-temperature superconductors: mapping the E-J-B surface. Superconductor Science and Technology, 1994, 7, 412-422.	1.8	51
43	Synthesis and physical properties of arc melted NiMnSb. Journal of Applied Physics, 2004, 95, 8063-8068.	1.1	51
44	Temperature dependence of the electron Landé factor in InSb and GaAs. Physical Review B, 2008, 77, .	1.1	50
45	Structural and transport studies of stoichiometric and off-stoichiometric thin films of the full Heusler alloy Co ₂ MnSi. Journal of Applied Physics, 2004, 95, 7231-7233.	1.1	48
46	A Raman spectroscopic study of the carbon deposition mechanism on Ni/CGO electrodes during CO/CO ₂ electrolysis. Physical Chemistry Chemical Physics, 2014, 16, 13063-13068.	1.3	48
47	Plasmon-Induced Optical Anisotropy in Hybrid Graphene-Metal Nanoparticle Systems. Nano Letters, 2015, 15, 3458-3464.	4.5	48
48	Devitrification of the low temperature magnetic-glass state in Gd ₅ Ge ₄ . Physical Review B, 2007, 75, .	1.1	47
49	Tunable magnetization dynamics in artificial spin ice via shape anisotropy modification. Physical Review B, 2019, 100, .	1.1	47
50	Correlating the local magnetic properties of the magnetic phase transition in Gd ₅ Ge ₄ using scanning Hall probe imaging. Physical Review B, 2006, 73, .	1.1	46
51	Giant Piezomagnetism in Mn ₃ NiN. ACS Applied Materials & Interfaces, 2018, 10, 18863-18868.	4.0	46
52	A mechanistic study of the interactions between methane and nickel supported on doped ceria. Applied Catalysis B: Environmental, 2019, 248, 332-340.	10.8	45
53	What Happens Inside a Fuel Cell? Developing an Experimental Functional Map of Fuel Cell Performance. ChemPhysChem, 2010, 11, 2714-2731.	1.0	44
54	Exploiting SERS Hot Spots for Disease-Specific Enzyme Detection. Journal of Physical Chemistry C, 2010, 114, 7231-7235.	1.5	44

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55	Raman Spectroscopy of Solid Oxide Fuel Cells: Technique Overview and Application to Carbon Deposition Analysis. Fuel Cells, 2013, 13, 455-469.	1.5	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, .	1.5	44
57	Anomalous Hall effect in noncollinear antiferromagnetic MnMnO_3 thin films. Physical Review Materials, 2019, 3, .	1.3	41
58	Stokes/anti-Stokes anomalies under surface enhanced Raman scattering conditions. Journal of Chemical Physics, 2004, 120, 11746-11753.	1.2	42
59	Point contact Andreev reflection spectroscopy of $\text{NdFeAsO}_{0.85}$. Superconductor Science and Technology, 2008, 21, 092003.	1.8	42
60	Superconducting critical fields and anisotropy of a MgB_2 single crystal. Superconductor Science and Technology, 2002, 15, 1156-1159.	1.8	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.	1.1	40
62	Growth of strongly biaxially aligned MgB_2 thin films on sapphire by postannealing of amorphous precursors. Applied Physics Letters, 2001, 79, 4001-4003.	1.5	40
63	Structure of the superconducting gap in MgB_2 from point-contact spectroscopy. Superconductor Science and Technology, 2002, 15, 526-532.	1.8	40
64	Spin polarization of the transport current at the free surface of bulk NiMnSb . Physical Review B, 2004, 69, .	1.1	40
65	Monopole defects and magnetic Coulomb blockade. New Journal of Physics, 2011, 13, 023023.	1.2	40
66	Oblique Hanle measurements of InAs/GaAs quantum dot spin-light emitting diodes. Applied Physics Letters, 2006, 88, 022113.	1.5	39
67	Direct observation and control of magnetic monopole defects in an artificial spin-ice material. New Journal of Physics, 2011, 13, 063032.	1.2	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, .	1.5	38
69	Andreev reflection spectroscopy of niobium point contacts in a magnetic field. Physical Review B, 2005, 72, .	1.1	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, .	1.1	37
71	Critical fields and critical currents in MgB_2 . Superconductor Science and Technology, 2003, 16, 176-182.	1.8	36
72	Temperature and doping dependence of spin relaxation in InAs . Physical Review B, 2005, 72, .	1.1	36

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73	Measurement of the magnetocaloric properties of $\text{CoMn}_{1-x}\text{Si}_x$ Alloys for Energy Efficient Magnetic Cooling. <i>Physical Review B</i> , 2008, 78, .	1.1	36
74	Electrolytic Hydriding of $\text{LaFe}_{13}\text{Si}_x$ Alloys for Energy Efficient Magnetic Cooling. <i>Advanced Materials</i> , 2012, 24, 2042-2046.	11.1	36
75	Reduction Dynamics of Doped Ceria, Nickel Oxide, and Cermet Composites Probed Using In Situ Raman Spectroscopy. <i>Advanced Science</i> , 2016, 3, 1500146.	5.6	36
76	Evidence for supercurrent connectivity in conglomerate particles in $\text{NdFeAsO}_{1-\delta}$. <i>Superconductor Science and Technology</i> , 2008, 21, 092004.	1.8	35
77	Experimental determination of the Rashba coefficient in $\text{InSb}/\text{InAlSb}$ quantum wells at zero magnetic field and elevated temperatures. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 035801.	0.7	35
78	Transmission electron microscopy and x-ray structural investigation of $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ thin films. <i>Journal of Materials Research</i> , 1998, 13, 2161-2169.	1.2	34
79	Temperature stability of thin film refractory plasmonic materials. <i>Optics Express</i> , 2018, 26, 15726.	1.7	34
80	Scale-Up of Room-Temperature Constructive Quantum Interference from Single Molecules to Self-Assembled Molecular-Electronic Films. <i>Journal of the American Chemical Society</i> , 2020, 142, 8555-8560.	6.6	34
81	Interface effects in highly oriented films of the Heusler alloy Co_2MnSi on $\text{GaAs}(001)$. <i>Journal of Applied Physics</i> , 2006, 99, 013904.	1.1	33
82	Investigation of superconducting gap structure in $\text{TbFeAsO}_{0.9}\text{F}_{0.1}$ using point contact Andreev reflection. <i>New Journal of Physics</i> , 2009, 11, 025015.	1.2	33
83	Physics of single molecule fluctuations in surface enhanced Raman spectroscopy active liquids. <i>Journal of Chemical Physics</i> , 2004, 121, 8901-8910.	1.2	32
84	Geometric manipulation of the high-field linear magnetoresistance in InSb epilayers on $\text{GaAs}(001)$. <i>Applied Physics Letters</i> , 2005, 86, 202116.	1.5	32
85	Zero-field spin splitting and spin lifetime in InSb . <i>Physical Review B</i> , 2017, 95, .	1.1	32
86	3D-Printed Structural Pseudocapacitors. <i>Advanced Materials Technologies</i> , 2016, 1, 1600167.	3.0	32
87	Highly aligned, spin polarized thin films of $\text{Sr}_2\text{FeMoO}_6$ by a chemical vapor process. <i>Applied Physics Letters</i> , 2002, 81, 5003-5005.	1.5	31
88	Heat capacity and latent heat measurements of CoMnSi using a microcalorimeter. <i>Review of Scientific Instruments</i> , 2008, 79, 074901.	0.6	31
89	Plastic pinning replaces collective pinning as the second magnetization peak disappears in the pnictide superconductor $\text{BaKFe}_2\text{As}_2$. <i>Physical Review B</i> , 2017, 95, .	0.75	31
90	TiO_2 -Enhanced IR Hot Carrier Based Photodetection in Metal Thin Film Si Junctions. <i>ACS Photonics</i> , 2019, 6, 953-960.	3.2	31

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91	Exchange-field enhancement of superconducting spin pumping. Physical Review B, 2019, 99, .	1.1	31
92	Effect of magnetic field on the two superconducting gaps in MgB ₂ . Physical Review B, 2004, 69, .	1.1	30
93	Spin transport parameters of NbN thin films characterized by spin pumping experiments. Physical Review Materials, 2019, 3, .	0.9	30
94	Microwave surface resistance of MgB ₂ . Applied Physics Letters, 2002, 80, 2347-2349.	1.5	29
95	Enhanced intergrain magnetoresistance in bulk Sr ₂ FeMoO ₆ through controlled processing. Applied Physics Letters, 2003, 83, 2384-2386.	1.5	29
96	The microwave surface impedance of MgB ₂ thin films. Superconductor Science and Technology, 2003, 16, 1-6.	1.8	29
97	The spin polarization of CrO ₂ revisited. Applied Physics Letters, 2007, 91, .	1.5	29
98	Contributions to the entropy change in melt-spun LaFe _{11.6} Si _{1.4} . Journal Physics D: Applied Physics, 2010, 43, 132001.	1.3	28
99	Evidence for spin mixing in holmium thin film and crystal samples. Physical Review B, 2011, 83, .	1.1	26
100	History dependence of directly observed magnetocaloric effects in (Mn, Fe)As. Applied Physics Letters, 2012, 100, .	1.5	26
101	Tuning the thermoelectrical properties of anthracene-based self-assembled monolayers. Chemical Science, 2020, 11, 6836-6841.	3.7	26
102	Large positive magnetoresistance in nonstoichiometric NiMnSb thin films on silicon. Applied Physics Letters, 2004, 84, 2358-2360.	1.5	25
103	The effect of columnar defects on the pinning properties of NdFeAsO _{0.85} conglomerate particles. Superconductor Science and Technology, 2009, 22, 125023.	1.8	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.	0.6	25
105	Abrikosov vortex nucleation and its detrimental effect on superconducting spin pumping in Pt/NbNi₈₀ thin films	1.1	25
106	Tunable, Low Optical Loss Strontium Molybdate Thin Films for Plasmonic Applications. Advanced Optical Materials, 2017, 5, 1700622.	3.6	24
107	Highly Stable Plasmon Induced Hot Hole Transfer into Silicon via a SrTiO ₃ Passivation Interface. Advanced Functional Materials, 2018, 28, 1705829.	7.8	24
108	Contributions to Hysteresis in Magnetocaloric Materials. Physica Status Solidi (B): Basic Research, 2018, 255, 1700317.	0.7	24

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109	Multisite Exchange-Enhanced Barocaloric Response in Mn_3NiN . Physical Review X, 2018, 8, .	2.8	24
110	Spin relaxation in n-InSb/AlInSb quantum wells. New Journal of Physics, 2006, 8, 49-49.	1.2	23
111	Ultrasmall particle detection using a submicron Hall sensor. Journal of Applied Physics, 2010, 107, 09E708.	1.1	23
112	The Biaxial Strain Dependence of Magnetic Order in Spin Frustrated Mn_3NiN Thin Films. Advanced Functional Materials, 2019, 29, 1902502.	7.8	23
113	Effects of proton irradiation and ageing on the superconducting properties of single crystalline and polycrystalline MgB ₂ . Superconductor Science and Technology, 2004, 17, 232-235.	1.8	22
114	Microwave surface resistance in MgB ₂ . Superconductor Science and Technology, 2001, 14, L13-L16.	1.8	21
115	Using PCAR to study Cu/Co bilayers. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1471-E1473.	1.0	21
116	Resonance contributions to anti-Stokes/Stokes ratios under surface enhanced Raman scattering conditions. Journal of Chemical Physics, 2005, 123, 084702.	1.2	21
117	The magnetocaloric performance in pure and mixed magnetic phase CoMnSi. Journal Physics D: Applied Physics, 2010, 43, 195001.	1.3	21
118	Fishtail and vortex dynamics in the Ni-doped iron pnictide BaFe _{1.82} Ni _{0.18} 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.	1.1	21
119	Disorder-independent control of magnetic monopole defect population in artificial spin-ice honeycombs. New Journal of Physics, 2012, 14, 045010.	2.8	21
120	Identifying the critical point of the weakly first-order itinerant magnet DyCo ₂ with complementary magnetization and calorimetric measurements. Physical Review B, 2013, 87, .	1.2	21
121	Electron diffusivities in MgB ₂ from point contact spectroscopy. Physical Review B, 2005, 72, .	1.1	20
122	Transport effects in remote-doped InSb/Al _{1-x} In _x Sb heterostructures. New Journal of Physics, 2010, 12, 053022.	1.2	20
123	Ballistic transport and boundary scattering in InSb/In _{1-x} Al _x Sb heterostructures. New Journal of Physics, 2010, 12, 053022.	1.1	20
124	A novel method for the injection and manipulation of magnetic charge states in nanostructures. Scientific Reports, 2016, 6, 32864.	1.6	20
125	Comparison of dc and microwave resistivity in polycrystalline La _{0.7-x} Y _x Ca _{0.3} MnO ₃ samples: Influence of Y at grain boundaries. Journal of Applied Physics, 2000, 88, 4703.	1.1	19

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127	Localized plasmon resonances in inhomogeneous metallic nanoclusters. Chemical Physics Letters, 2004, 383, 577-583.	1.2	19
128	Coexistence of Universal and Topological Anomalous Hall Effects in Metal CrO_2 Thin Films in the Dirty Limit. Physical Review Letters, 2009, 102, 227201.	2.9	19
129	Determining the first-order character of LaMnO_3 . Physical Review B, 2017, 95, .		
130	InSb epilayers on GaAs(100) for spintronic and magneto-resistive sensor applications. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 20, 216-219.	1.3	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.	1.5	18
132	Optimised power harvesting by controlling the pressure applied to molecular junctions. Chemical Science, 2021, 12, 5230-5235.	3.7	18
133	Suppression of D'yakonov-Perel spin relaxation in InAs and InSb by n-type doping at 300 K. Applied Physics Letters, 2003, 83, 5220-5222.	1.5	17
134	Temperature insensitivity of the spin-polarization in Co_2MnSi films on GaAs (001). New Journal of Physics, 2007, 9, 42-42.	1.2	17
135	Tunable Pure Spin Supercurrents and the Demonstration of Their Gateability in a Spin-Wave Device. Physical Review X, 2020, 10, .	2.8	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.	1.2	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.	0.6	16
140	Limitations in artificial spin ice path selectivity: the challenges beyond topological control. New Journal of Physics, 2015, 17, 013054.	1.2	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.	2.2	16
142	Superconductor-semiconductor interaction effects in mesoscopic hybrid structures. Physical Review B, 1996, 54, 14026-14031.	1.1	15
143	Flux creep associated with bulk pinning and edge barriers in BSCCO-2212 single crystals. Superconductor Science and Technology, 1997, 10, 195-202.	1.8	15
144	Thermally induced nonlinear behaviour of HTS films at high microwave power. Superconductor Science and Technology, 2002, 15, 559-565.	1.8	15

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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.	1.2	15
146	Microwave intermodulation distortion of MgB_2 thin films. <i>Applied Physics Letters</i> , 2003, 82, 4525-4527.	1.5	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.	1.1	15
148	The role of impurity band conduction in the low temperature characteristics of thin InSb films grown by molecular beam epitaxy. <i>Semiconductor Science and Technology</i> , 2004, 19, 1406-1410.	1.0	15
149	Dynamics of magnetic phase cluster formation in the field-driven AFM \rightarrow FM transition in Gd_5Ge_4 . <i>Journal of Physics Condensed Matter</i> , 2007, 19, 176213.	0.7	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.	1.5	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.	1.8	14
152	Spin lifetime in InAs epitaxial layers grown on GaAs . <i>Physical Review B</i> , 2006, 74, .	1.1	14
153	Tuning the inherent magnetoresistance of InSb thin films. <i>Applied Physics Letters</i> , 2006, 88, 012110.	1.5	14
154	Spin lifetime in high quality InSb epitaxial layers grown on GaAs . <i>Journal of Applied Physics</i> , 2007, 101, 083105.	1.1	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.	1.1	14
156	Influence of Cu substrate topography on the growth morphology of chemical vapour deposited graphene. <i>Carbon</i> , 2013, 65, 7-12.	5.4	14
157	Spin-orbit coupling suppression and singlet-state blocking of spin-triplet Cooper pairs. <i>Science Advances</i> , 2021, 7, .	4.7	14
158	Multi-component self-assembled molecular-electronic films: towards new high-performance thermoelectric systems. <i>Chemical Science</i> , 2022, 13, 5176-5185.	3.7	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.	1.1	13
160	Spin Relaxation by Transient Monopolar and Bipolar Optical Orientation. <i>Physical Review Letters</i> , 2006, 96, 096603.	2.9	13
161	Dimensional crossover and weak localization in a 90 nm n - GaAs thin film. <i>Applied Physics Letters</i> , 2009, 95, 12113.	1.5	13
162	Room temperature ballistic transport in InSb quantum well nanodevices. <i>Applied Physics Letters</i> , 2011, 99, 242101-2421013.	1.5	13

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163	Andreev spectroscopy of CrO ₂ thin films on TiO ₂ and Al ₂ O ₃ . Europhysics Letters, 2013, 103, 67005.	0.7	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.	1.8	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, .	1.1	12
166	Quantum well mobility and the effect of gate dielectrics in remote doped InSb/Al _x In _{1-x} Sb heterostructures. Semiconductor Science and Technology, 2010, 25, 125005.	1.0	12
167	Cross-plane conductance through a graphene/molecular monolayer/Au sandwich. Nanoscale, 2018, 10, 19791-19798.	2.8	12
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