

Lesley Cohen

List of Publications by Year in descending order

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301
papers

8,911
citations

47006

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60623

81
g-index

306
all docs

306
docs citations

306
times ranked

7753
citing authors

#	ARTICLE	IF	CITATIONS
1	Applied Physics Letters 2022 60th Anniversary Editorial. Applied Physics Letters, 2022, 120, 110401.	3.3	0
2	Multi-component self-assembled molecular-electronic films: towards new high-performance thermoelectric systems. Chemical Science, 2022, 13, 5176-5185.	7.4	14
3	Assembly, structure and thermoelectric properties of 1,1- ϵ^2 -dialkynylferrocene "hinges"™. Chemical Science, 2022, 13, 8380-8387.	7.4	8
4	Identifying the octupole antiferromagnetic domain orientation in Mn ₃ NiN by scanning anomalous Nernst effect microscopy. Applied Physics Letters, 2022, 120, .	3.3	8
5	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
6	Optimised power harvesting by controlling the pressure applied to molecular junctions. Chemical Science, 2021, 12, 5230-5235.	7.4	18
7	Spin-orbit coupling suppression and singlet-state blocking of spin-triplet Cooper pairs. Science Advances, 2021, 7, .	10.3	14
8	Barocaloric properties of quaternary $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:msub} \langle \text{mml:mi} \text{Mn} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \langle \text{mml:mi} \text{N} \langle \text{mml:mi} \rangle \langle \text{mml:math} \text{N} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle \text{ for room-temperature refrigeration applications. Physical Review B, 2021, 104, .$	3.2	7
9	Tunable double epsilon-near-zero behavior in niobium oxynitride thin films. Applied Surface Science, 2021, 569, 150912.	6.1	1
10	Strain dependence of Berry-phase-induced anomalous Hall effect in the non-collinear antiferromagnet Mn ₃ NiN. Applied Physics Letters, 2021, 119, .	3.3	9
11	Fine control of Curie temperature of magnetocaloric alloys La(Fe,Co,Si) ₁₃ using electrolytic hydriding. Scripta Materialia, 2020, 175, 33-37.	5.2	6
12	<i>Applied Physics Letters</i> welcomes papers in Quantum Technologies. Applied Physics Letters, 2020, 116, .	3.3	1
13	Tunable Pure Spin Supercurrents and the Demonstration of Their Gateability in a Spin-Wave Device. Physical Review X, 2020, 10, .	8.9	17
14	To boldly go: New frontiers for APL. Applied Physics Letters, 2020, 117, .	3.3	1
15	Tuning the thermoelectrical properties of anthracene-based self-assembled monolayers. Chemical Science, 2020, 11, 6836-6841.	7.4	26
16	IR hot carrier based photodetection in titanium nitride oxide thin film-Si junctions. MRS Advances, 2020, 5, 1843-1850.	0.9	0
17	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
18	Experimentally correlating thermal hysteresis and phase compatibility in multifunctional Heusler alloys. Physical Review Materials, 2020, 4, .	2.4	8

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19	Hot carrier optoelectronics with titanium nitride. , 2020, , .		1
20	The Biaxial Strain Dependence of Magnetic Order in Spin Frustrated Mn ₃ NiN Thin Films. Advanced Functional Materials, 2019, 29, 1902502.	14.9	23
21	View from the Bridge. Applied Physics Letters, 2019, 115, .	3.3	0
22	Tunable magnetization dynamics in artificial spin ice via shape anisotropy modification. Physical Review B, 2019, 100, .	3.2	47
23	Doping Dependence of the Second Magnetization Peak, Critical Current Density, and Pinning Mechanism in BaFe ₂ NiAs ₂ Pnictide Superconductors. ACS Applied Electronic Materials, 2019, 1, 179-188.	4.3	10
24	Effect of Meissner Screening and Trapped Magnetic Flux on Magnetization Dynamics in Thick Nb/Ni ₈₀ Mn ₂₀ Trilayers. Physical Review Applied, 2019, 11, .	3.8	44
25	Quantifying Figures of Merit for Localized Surface Plasmon Resonance Applications: A Materials Survey. ACS Photonics, 2019, 6, 240-259.	6.6	93
26	TiO ₂ -Enhanced IR Hot Carrier Based Photodetection in Metal Thin Film/Si Junctions. ACS Photonics, 2019, 6, 953-960.	6.6	31
27	Anomalous vortex nucleation and its detrimental effect on superconducting spin pumping in Pt/Nb ₈₀ Mn ₂₀ /Ni ₈₀ Mn ₂₀ .	3.2	25
28	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
29	Study of Nb _{0.18} Re _{0.82} non-centrosymmetric superconductor in the normal and superconducting states. Superconductor Science and Technology, 2019, 32, 055003.	3.5	12
30	Exchange-field enhancement of superconducting spin pumping. Physical Review B, 2019, 99, .	3.2	31
31	Spin transport parameters of NbN thin films characterized by spin pumping experiments. Physical Review Materials, 2019, 3, .	2.4	30
32	Anomalous Hall effect in noncollinear antiferromagnetic Mn ₂ Te thin films. Physical Review Materials, 2019, 3, .	2.3	11
33	Plasmonic photo-thermo-electric effect in graphene. , 2019, , .		0
34	Highly Stable Plasmon Induced Hot Hole Transfer into Silicon via a SrTiO ₃ Passivation Interface. Advanced Functional Materials, 2018, 28, 1705829.	14.9	24
35	Enhanced spin pumping into superconductors provides evidence for superconducting pure spin currents. Nature Materials, 2018, 17, 499-503.	27.5	107
36	Electric power transfer in spin-pumping experiments. Applied Physics Express, 2018, 11, 013004.	2.4	3

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37	Giant Piezomagnetism in Mn_3NiN . ACS Applied Materials & Interfaces, 2018, 10, 18863-18868.	8.0	46
38	Contributions to Hysteresis in Magnetocaloric Materials. Physica Status Solidi (B): Basic Research, 2018, 255, 1700317.	1.5	24
39	Realization of ground state in artificial Kagome spin ice via topological defect-driven magnetic writing. Nature Nanotechnology, 2018, 13, 53-58.	31.5	70
40	Multisite Exchange-Enhanced Barocaloric Response in Mn_3NiN . Physical Review X, 2018, 8, .	8.9	24
41	Plasmon induced thermoelectric effect in graphene. Nature Communications, 2018, 9, 5190.	12.8	67
42	Cross-plane conductance through a graphene/molecular monolayer/Au sandwich. Nanoscale, 2018, 10, 19791-19798.	5.6	12
43	The Reduction Properties of "Doped (M=Zr, Gd) CeO_2 /YSZ Scaffolds Co-Infiltrated with Nickel. Energy Technology, 2018, 6, 2045-2052.	3.8	8
44	Adsorption dynamics of CVD graphene investigated by a contactless microwave method. 2D Materials, 2018, 5, 035024.	4.4	6
45	Andreev reflection spectroscopy in transition metal oxides. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20150001.	3.4	2
46	Temperature stability of thin film refractory plasmonic materials. Optics Express, 2018, 26, 15726.	3.4	34
47	Spin-Pumping-Induced Inverse Spin Hall Effect in $NbNi_{80}Sn_{20}$ Bilayers and its Strong Decay Across the Superconducting Transition Temperature. Physical Review Applied, 2018, 10, .	3.8	38
48	Tailoring SOFC Electrode Microstructures for Improved Performance. Advanced Energy Materials, 2018, 8, 1800120.	19.5	159
49	Hexapod Hall scanner for high-resolution large area magnetic imaging. Review of Scientific Instruments, 2018, 89, 065111.	1.3	2
50	Andreev bound states in superconductor/ferromagnet point contact Andreev reflection spectra. Physical Review B, 2017, 95, .	3.2	5
51	Determining the first-order character of $La_{1-x}Sr_x$. Physical Review B, 2017, 95, .	3.2	5
52	Electron transport lifetimes in $InSb/Al_{1-x}In_x$ quantum well 2DEGs. Semiconductor Science and Technology, 2017, 32, 085002.	2.0	8
53	Tunable, Low Optical Loss Strontium Molybdate Thin Films for Plasmonic Applications. Advanced Optical Materials, 2017, 5, 1700622.	7.3	24
54	Nucleation and dynamics of the metamagnetic transition in magnetocaloric $La(Fe,Mn,Si)_{13}$. Journal Physics D: Applied Physics, 2017, 50, 424004.	2.8	9

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55	The La(Fe,Mn,Si) ₁₃ H _z magnetic phase transition under pressure. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700143.	2.4	7
56	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, .	3.2	31
57	Comparison of the ultrafast hot electron dynamics of titanium nitride and gold for plasmonic applications. , 2017, , .		3
58	3D Printed Structural Pseudocapacitors (Adv. Mater. Technol. 9/2016). Advanced Materials Technologies, 2016, 1, .	5.8	1
59	The impact of surface morphology on the magnetovolume transition in magnetocaloric LaFe _{11.8} Si _{1.2} . APL Materials, 2016, 4, 106101.	5.1	16
60	3D Printed Structural Pseudocapacitors. Advanced Materials Technologies, 2016, 1, 1600167.	5.8	32
61	Low-temperature specific heat in hydrogenated and Mn-doped La _{1-x} Mn _x (O _{1-x} F _x) ₂ Physical Review B, 2016, 94, .	3.2	10
62	Reduction Dynamics of Doped Ceria, Nickel Oxide, and Cermet Composites Probed Using In Situ Raman Spectroscopy. Advanced Science, 2016, 3, 1500146.	11.2	36
63	Magnetic relaxation dynamics driven by the first-order character of magnetocaloric La(Fe,Mn,Si) ₁₃ . Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150307.	3.4	6
64	A novel method for the injection and manipulation of magnetic charge states in nanostructures. Scientific Reports, 2016, 6, 32864.	3.3	20
65	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
66	Multifunctional semiconductor micro-Hall devices for magnetic, electric, and photo-detection. Applied Physics Letters, 2015, 107, .	3.3	5
67	Limitations in artificial spin ice path selectivity: the challenges beyond topological control. New Journal of Physics, 2015, 17, 013054.	2.9	16
68	Dynamics of the First-Order Metamagnetic Transition in Magnetocaloric La(Fe,Si) ₁₃ : Reducing Hysteresis. Advanced Energy Materials, 2015, 5, 1401639.	19.5	67
69	Plasmon-Induced Optical Anisotropy in Hybrid Graphene-Metal Nanoparticle Systems. Nano Letters, 2015, 15, 3458-3464.	9.1	48
70	Quantifying the deleterious role of strong correlations in La _{1-x} Mn _x O ₂ the magnetocaloric transition. Physical Review B, 2015, 91, .	3.2	10
71	Signatures of filamentary superconductivity in antiferromagnetic BaFe ₂ As ₂ single crystals. Europhysics Letters, 2015, 111, 37005.	2.0	2
72	Magnetotransport of proton-irradiated BaFe ₂ As ₂ and BaFe _{1.985} Co _{0.015} As ₂ single crystals. Physical Review B, 2015, 91, .	3.2	7

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73	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, .	2.5	60
74	Scanning Hall Probe Imaging of LaFe _{13-x} Si _x . Advances in Science and Technology, 2014, 93, 219-224.	0.2	3
75	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.	2.8	48
76	Spontaneous magnetization above T _C in polycrystalline La _{0.7} Ca _{0.3} MnO ₃ and La _{0.7} Ba _{0.3} MnO ₃ . Physical Review B, 2014, 90, .	3.2	37
77	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
78	Raman Spectroscopy of Solid Oxide Fuel Cells: Technique Overview and Application to Carbon Deposition Analysis. Fuel Cells, 2013, 13, 455-469.	2.4	44
79	In-Operando Raman Spectroscopy Study of Passivation Effects on Ni-CGO Electrodes in CO ₂ Electrolysis Conditions. ECS Transactions, 2013, 57, 3111-3117.	0.5	11
80	In-Operando Raman Characterization of Carbon Deposition on SOFC Anodes. ECS Transactions, 2013, 57, 1619-1626.	0.5	3
81	Observation of wrinkle induced potential drops in biased chemically derived graphene thin film networks. Carbon, 2013, 64, 35-44.	10.3	11
82	Identifying the critical point of the weakly first-order itinerant magnet DyCo ₂ with complementary magnetization and calorimetric measurements. Physical Review B, 2013, 87, .	3.2	21
83	Influence of Cu substrate topography on the growth morphology of chemical vapour deposited graphene. Carbon, 2013, 65, 7-12.	10.3	14
84	Andreev spectroscopy of CrO ₂ thin films on TiO ₂ and Al ₂ O ₃ . Europhysics Letters, 2013, 103, 67005.	2.0	13
85	High resolution InSb quantum well ballistic nanosensors for room temperature applications. , 2013, , .		1
86	Photon induced Schottky barrier effects in inverse-extraordinary optoconductance structures. , 2013, , .		0
87	Vortex dynamics as a function of field orientation in BaFe _{1.9} Ni _{0.1} As ₂ . Superconductor Science and Technology, 2013, 26, 025006.	3.5	9
88	The non-random walk of chiral magnetic charge carriers in artificial spin ice. Scientific Reports, 2013, 3, 1252.	3.3	61
89	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
90	Transverse focusing of spin-polarized photocurrents. Physical Review B, 2012, 85, .	3.2	11

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91	Observation of spin dependent photocoductivity in InSb quantum well nanowires. Applied Physics Letters, 2012, 101, 152407.	3.3	3
92	Thermopower of LaFe ₁₃ Si alloys. Europhysics Letters, 2012, 100, 57009.	2.0	9
93	Study of the dynamical features of the austenite-martensite phase transition in the Ni ₅₀ (Mn) ₅₀ alloy. Applied Physics Letters, 2012, 101, 152407.	2.5	14
94	Mending the broken pipe. Physics World, 2012, 25, 16-17.	0.0	1
95	Contributions to the entropy change in melt-spun LaFe _{11.6} Si _{1.4} . Journal Physics D: Applied Physics, 2012, 45, 179501.	2.8	2
96	In-Situ Raman Characterization of SOFC Anodes. Materials Research Society Symposia Proceedings, 2012, 1385, 1.	0.1	1
97	Disorder-independent control of magnetic monopole defect population in artificial spin-ice honeycombs. New Journal of Physics, 2012, 14, 045010.	2.9	21
98	History dependence of directly observed magnetocaloric effects in (Mn, Fe)As. Applied Physics Letters, 2012, 100, .	3.3	26
99	Emerging Chirality in Artificial Spin Ice. Science, 2012, 335, 1597-1600.	12.6	107
100	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
101	Electrolytic Hydriding of LaFe ₁₃ Si Alloys for Energy Efficient Magnetic Cooling. Advanced Materials, 2012, 24, 2042-2046.	21.0	36
102	Novel La(Fe,Si) ₁₃ /Cu Composites for Magnetic Cooling. Advanced Energy Materials, 2012, 2, 1323-1327.	19.5	69
103	Asymmetry of the latent heat signature in <i>b</i> -axis oriented single crystal Gd ₅ Si ₂ Ge ₂ . Materials Research Society Symposia Proceedings, 2011, 1385, 1.	0.1	1
104	Chiral and vortex dynamics in the Ni-doped iron pnictide BaFe _{1.82} Ni _{0.18} As. Applied Physics Letters, 2011, 99, 242101-242103.	3.2	21
105	Room temperature ballistic transport in InSb quantum well nanodevices. Applied Physics Letters, 2011, 99, 242101-242103.	3.3	13
106	Ballistic transport and boundary scattering in InSb/In _{0.2} Ga _{0.8} Sb quantum well nanodevices. Applied Physics Letters, 2011, 99, 242101-242103.	3.2	20
107	Evidence for spin mixing in holmium thin film and crystal samples. Physical Review B, 2011, 83, .	3.2	26
108	Monopole defects and magnetic Coulomb blockade. New Journal of Physics, 2011, 13, 023023.	2.9	40

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109	Superconducting property and Fe valence state of FeSe thick films grown from high temperature solution. <i>Journal of Alloys and Compounds</i> , 2011, 509, 6350-6353.	5.5	21
110	Inverse-Extraordinary Optoconductance in Ti ^δ •Au ^δ •GaAs Hybrid Structures. , 2011, , .		0
111	Ballistic transport effects in a sub-micron InSb quantum well cross structure. , 2011, , .		0
112	Origin of Hysteresis in La _{0.67} Ca _{0.33} MnO ₃ . <i>Materials Research Society Symposia Proceedings</i> , 2011, 1310, 1.	0.1	3
113	Experimental determination of the Rashba coefficient in InSb/InAlSb quantum wells at zero magnetic field and elevated temperatures. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 035801.	1.8	35
114	Direct observation and control of magnetic monopole defects in an artificial spin-ice material. <i>New Journal of Physics</i> , 2011, 13, 063032.	2.9	39
115	Suppression of the parasitic buffer layer conductance in InSb/Al _x In _{1-x} Sb heterostructures using a wide-band gap barrier layer. <i>Physical Review B</i> , 2011, 84, .	3.2	10
116	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
117	Contributions to the entropy change in melt-spun LaFe _{11.6} Si _{1.4} . <i>Journal Physics D: Applied Physics</i> , 2010, 43, 132001.	2.8	28
118	What Happens Inside a Fuel Cell? Developing an Experimental Functional Map of Fuel Cell Performance. <i>ChemPhysChem</i> , 2010, 11, 2714-2731.	2.1	44
119	High-Purity FeSe _{1-x} Superconductors Prepared by Solid-State Synthesis and Liquid Phase Processing. <i>Journal of the American Ceramic Society</i> , 2010, 93, 3195-3200.	3.8	6
120	Direct observation of magnetic monopole defects in an artificial spin-ice system. <i>Nature Physics</i> , 2010, 6, 359-363.	16.7	308
121	Transport effects in remote-doped InSb/Al _x In _{1-x} Sb heterostructures. <i>New Journal of Physics</i> , 2010, 12, 053022.	2.9	20
122	Evidence for nodal superconductivity in Sr ₂ ScFePO ₃ . <i>Superconductor Science and Technology</i> , 2010, 23, 022001.	3.5	8
123	A nanoscale Ti/GaAs metal-semiconductor hybrid sensor for room temperature light detection. <i>Applied Physics Letters</i> , 2010, 97, 082105.	3.3	9
124	Publisher's Note: Zero-field spin splitting and spin-dependent broadening in high-mobility InSb quantum. <i>Physical Review B</i> , 2010, 81, .	3.2	9
125	Flux dynamics associated with the second magnetization peak in the iron pnictide Ba _{1-x} T _x . <i>Physical Review B</i> , 2010, 82, .	3.2	70
126	Strong dependence of spin dynamics on the orientation of an external magnetic field for InSb and InAs. <i>Applied Physics Letters</i> , 2010, 96, 111107.	3.3	18

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127	Monitoring Solid Oxide Fuel Cell Processes Using In-Situ Raman Spectroscopy. , 2010, , .		0
128	The magnetocaloric performance in pure and mixed magnetic phase CoMnSi. Journal Physics D: Applied Physics, 2010, 43, 195001.	2.8	21
129	A scanning Hall probe imaging study of the field induced martensite-austenite phase transition in Ni ₅₀ Mn ₃₄ In ₁₆ alloy. Journal of Physics Condensed Matter, 2010, 22, 016008.	1.8	8
130	In-Situ Raman Spectroscopy of Graphene Defects in Reducing Atmospheres at High Temperature. , 2010, , .		0
131	Ultrasmall particle detection using a submicron Hall sensor. Journal of Applied Physics, 2010, 107, 09E708.	2.5	23
132	Exploiting SERS Hot Spots for Disease-Specific Enzyme Detection. Journal of Physical Chemistry C, 2010, 114, 7231-7235.	3.1	44
133	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.	2.0	12
134	Spin-polarized transport current in n -type codoped ZnO thin films measured by Andreev spectroscopy. Physical Review B, 2009, 80, .	3.2	12
135	Investigation of superconducting gap structure in TbFeAsO _{0.9} F _{0.1} using point contact Andreev reflection. New Journal of Physics, 2009, 11, 025015.	2.9	33
136	Capturing first- and second-order behavior in magnetocaloric CoMnSi . Physical Review B, 2009, 79, .	3.2	59
137	Dimensional crossover and weak localization in a 90 nm n-GaAs thin film. Applied Physics Letters, 2009, 95, 12113.	3.3	13
138	Coexistence of Universal and Topological Anomalous Hall Effects in Metal CrO_2 Thin Films in the Dirty Limit. Physical Review Letters, 2009, 102, 227201.	7.8	19
139	Reducing extrinsic hysteresis in first-order La(Fe,Co,Si) ₁₃ magnetocaloric systems. Applied Physics Letters, 2009, 95, .	3.3	83
140	The effect of columnar defects on the pinning properties of NdFeAsO _{0.85} conglomerate particles. Superconductor Science and Technology, 2009, 22, 125023.	3.5	25
141	Detection of a Micron-Sized Magnetic Particle Using InSb Hall Sensor. IEEE Transactions on Magnetics, 2009, 45, 4499-4502.	2.1	16
142	Metamagnetism Seeded by Nanostructural Features of Single-Crystalline Gd ₅ Si ₂ Ge ₂ . Advanced Materials, 2009, 21, 3780-3783.	21.0	61
143	Zero-field spin splitting and spin-dependent broadening in high-mobility InSb quantum well heterostructu. Physical Review B. 2009, 79, .	3.2	63
144	Spectroscopic ellipsometry study of Co-doped TiO ₂ films. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 880-883.	1.8	11

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145	Hall Imaging of the History Dependence of the Magnetocaloric Effect in $Gd_{0.5}Si_{0.2}Ge_{1.9}$. IEEE Transactions on Magnetics, 2008, 44, 3233-3236.	2.1	5
146	Measurement of the magnetocaloric properties of $CoMn_{0.95}Fe_{0.05}$. Large change with Fe substitution. Physical Review B, 2008, 78, .	3.2	36
147	Temperature dependence of the electron Landé g factor in InSb and GaAs. Physical Review B, 2008, 77, .	3.2	50
148	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
149	Evidence for supercurrent connectivity in conglomerate particles in $NdFeAsO_{1-x}$. Superconductor Science and Technology, 2008, 21, 092004.	3.5	35
150	Point contact Andreev reflection spectroscopy of $NdFeAsO_{0.85}$. Superconductor Science and Technology, 2008, 21, 092003.	3.5	42
151	Local probing of arrested kinetics in Gd_5Ge_4 . Journal of Physics Condensed Matter, 2008, 20, 465212.	1.8	11
152	Mapping the dynamic interactions between vortex species in highly anisotropic superconductors. Superconductor Science and Technology, 2008, 21, 075019.	3.5	1
153	Heat capacity and latent heat measurements of CoMnSi using a microcalorimeter. Review of Scientific Instruments, 2008, 79, 074901.	1.3	31
154	Interface properties of $Pb_{1-x}In_xAs$ planar structures for Andreev spectroscopy. Applied Physics Letters, 2008, 92, .	3.3	8
155	Zero-field spin splitting and spin lifetime in $In_{1-x}Sb_x$. Extracting the diffusivity ratio from point contact Andreev reflection spectroscopy and upper critical field measurements in MgB_2 . Journal of Physics: Conference Series, 2008, 97, 012213.	3.2	32
156	Visual evidence of the magnetic glass state and its re-crystallization in Gd_5Ge_4 . Europhysics Letters, 2008, 83, 57006.	0.4	1
157	Density and Well-Width Dependence of the Spin Relaxation in n-InSb/AlInSb Quantum Wells. Springer Proceedings in Physics, 2008, , 19-21.	2.0	9
158	Temperature Dependence of the Electron Lande g -Factor in InSb. Springer Proceedings in Physics, 2008, , 27-29.	0.2	0
159	Preparation of $InAs(001)$ surface for spin injection via a chemical route. Journal Physics D: Applied Physics, 2007, 40, 3190-3193.	2.8	6
160	The superconducting properties of co-doped polycrystalline MgB_2 . Superconductor Science and Technology, 2007, 20, S278-S281.	3.5	7
161	Spin lifetime in high quality InSb epitaxial layers grown on GaAs. Journal of Applied Physics, 2007, 101, 083105.	2.5	14
162			

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163	Devitrification of the low temperature magnetic-glass state in Gd ₅ Ge ₄ . Physical Review B, 2007, 75, .	3.2	47
164	Electrical characterization of MgO tunnel barriers grown on InAs (001) epilayers. Applied Physics Letters, 2007, 91, 122106. Low-temperature Schottky barrier tunneling in $\text{In}_{1-x}\text{Al}_x\text{Sb}$	3.3	2
165	$\text{In}_{1-x}\text{Al}_x\text{Sb}$ Schottky barrier tunneling in $\text{In}_{1-x}\text{Al}_x\text{Sb}$	3.2	4
166	Scanned micro-Hall microscope for detection of biofunctionalized magnetic beads. Applied Physics Letters, 2007, 90, 162502.	3.3	9
167	The effect of magnesium vacancies on the Γ intraband scattering in Mg _x B ₂ as determined by point contact Andreev reflection. Applied Physics Letters, 2007, 91, 122501.	3.3	4
168	Temperature insensitivity of the spin-polarization in Co ₂ MnSi films on GaAs (001). New Journal of Physics, 2007, 9, 42-42.	2.9	17
169	Inherent magnetoresistance and surface morphology of InSb thin films. AIP Conference Proceedings, 2007, , .	0.4	0
170	Characterisation of Combinatorial Libraries of Perovskite Materials for SOFC Cathode Applications. ECS Transactions, 2007, 7, 1005-1013.	0.5	2
171	The spin polarization of CrO ₂ revisited. Applied Physics Letters, 2007, 91, .	3.3	29
172	Dynamics of magnetic phase cluster formation in the field-driven AFM \leftrightarrow FM transition in Gd ₅ Ge ₄ . Journal of Physics Condensed Matter, 2007, 19, 176213.	1.8	15
173	Preparation of Ferromagnetic Cobalt Substituted TiO ₂ (Anatase) Thin Films by Electrochemical Deposition. Chemistry of Materials, 2007, 19, 3084-3086.	6.7	4
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175	Improved Geometric Control of the High-Field Linear Magnetoresistance by Metallic Bridges in InSb Arrays. AIP Conference Proceedings, 2007, , .	0.4	0
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