Joseph P Heremans

List of Publications by Year
in descending order

226 papers	19,681 citations	22099 59 h-index	11030 137 g-index

229 all docs	229 docs citations	229 times ranked	13536 citing authors

#	Article	IF	Citations
1	Giant anomalous Nernst signal in the antiferromagnet YbMnBi2. Nature Materials, 2022, 21, 203-209.	13.3	72
2	Thermal Conductivity of Two-Dimensional Benzobisoxazole-Linked Covalent Organic Frameworks with Nanopores: Implications for Thermal Management Applications. ACS Applied Nano Materials, 2022, 5, 13787-13793.	2.4	6
3	Adiabatic and isothermal configurations for Re4Si7 transverse thermoelectric power generators. Applied Physics Reviews, 2022, 9, .	5.5	9
4	Highly efficient transverse thermoelectric devices with Re₄Si₇ crystals. Energy and Environmental Science, 2021, 14, 4009-4017.	15.6	29
5	Computationally Guided Discovery of Axis-Dependent Conduction Polarity in NaSnAs Crystals. Chemistry of Materials, 2021, 33, 946-951.	3.2	13
6	Thermal chiral anomaly in the magnetic-field-induced ideal Weyl phase of Bi1â^'xSbx. Nature Materials, 2021, 20, 1525-1531.	13.3	34
7	Lorentz Transmission Electron Microscopy Imaging of Magnetic Textures in MnBi. Microscopy and Microanalysis, 2021, 27, 2178-2179.	0.2	0
8	Large magnon-induced anomalous Nernst conductivity in single-crystal MnBi. Joule, 2021, 5, 3057-3067.	11.7	21
9	Identifying the Dirac point composition in Bi_{1â^'x}Sb_x alloys using the temperature dependence of quantum oscillations. Journal of Applied Physics, 2021, 130, 225106.	1.1	3
10	Combining Spin-Seebeck and Nernst Effects in Aligned MnBi/Bi Composites. Nanomaterials, 2020, 10, 2083.	1.9	5
11	Shallow impurity band in ZrNiSn. Journal of Applied Physics, 2020, 127, .	1.1	10
12	The Chemical Design Principles for Axis-Dependent Conduction Polarity. Journal of the American Chemical Society, 2020, 142, 2812-2822.	6.6	18
13	Thermoelectric composite with enhanced figure of merit via interfacial doping. Functional Composite Materials, 2020, 1, .	0.9	6
14	Co-evolution of Microstructure and Magnetic Properties in Magnetically Aligned MnBi-Bi Composites. Microscopy and Microanalysis, 2019, 25, 1710-1711.	0.2	1
15	Paramagnon drag in high thermoelectric figure of merit Li-doped MnTe. Science Advances, 2019, 5, eaat9461.	4.7	90
16	Magnon drag effect in Fe-Co alloys. Journal of Applied Physics, 2019, 126, 125107.	1.1	4
17	Active Peltier Coolers Based on Correlated and Magnon-Drag Metals. Physical Review Applied, 2019, 11, .	1.5	35
18	The Fermi surface geometrical origin of axis-dependent conduction polarity in layered materials. Nature Materials, 2019, 18, 568-572.	13.3	46

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19	High switching ratio variable-temperature solid-state thermal switch based on thermoelectric effects. International Journal of Heat and Mass Transfer, 2019, 134, 114-118.	2.5	26
20	Dirac dispersion generates unusually large Nernst effect in Weyl semimetals. Physical Review B, 2018, 97, .	1.1	83
21	Demonstration of high mobility and quantum transport in modulation-doped Î²-(AlxGa1-x)2O3/Ga2O3 heterostructures. Applied Physics Letters, 2018, 112, .	1.5	264
22	Evidence for the role of the magnon energy relaxation length in the spin Seebeck effect. Physical Review B, 2018, 97, .	1.1	54
23	Fermi arc mediated entropy transport in topological semimetals. Physical Review B, 2018, 97, .	1.1	14
24	Magnons versus electrons in thermal spin transport through metallic interfaces. Journal Physics D: Applied Physics, 2018, 51, 394002.	1.3	8
25	Confinement effects, surface effects, and transport in Bi and Bi_{1â^'x}Sb_xsemiconducting and semimetallic nanowires. Journal of Physics Condensed Matter, 2018, 30, 403001.	0.7	14
26	Optimization of the figure of merit in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mrow><mml:mn>100</m mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> nanocomposites. Physical Review Materials, 2018, 2, .	0.9	9
27	Compromise and Synergy in Highâ€Efficiency Thermoelectric Materials. Advanced Materials, 2017, 29, 1605884.	11.1	1,098
28	Eu²⁺â€“Eu³⁺ valence transition in double, Eu-, and Na-doped PbSe from transport, magnetic, and electronic structure studies. Physical Chemistry Chemical Physics, 2017, 19, 9606-9616.	1.3	4
29	A new member of the Hall family. Nature Materials, 2017, 16, 968-969.	13.3	1
30	Scalable Nernst thermoelectric power using a coiled galfenol wire. AIP Advances, 2017, 7, .	0.6	33
31	Continuous-feed nanocasting process for the synthesis of bismuth nanowire composites. Chemical Communications, 2017, 53, 12294-12297.	2.2	8
32	Tetradymites as thermoelectrics and topological insulators. Nature Reviews Materials, 2017, 2, .	23.3	184
33	Thermal spin transport and energy conversion. Materials Today Physics, 2017, 1, 39-49.	2.9	58
34	Thermopower and thermal conductivity in the Weyl semimetal NbP. Journal of Physics Condensed Matter, 2017, 29, 325701.	0.7	32
35	Interface-induced phenomena in magnetism. Reviews of Modern Physics, 2017, 89, .	16.4	672
36	Observation of spin Seebeck contribution to the transverse thermopower in Ni-Pt and MnBi-Au bulk nanocomposites. Nature Communications, 2016, 7, 13714.	5.8	32

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37	Basal-plane thermal conductivity of nanocrystalline and amorphized thin germanane. Applied Physics Letters, 2016, 109, 131907.	1.5	11
38	Introduction to cryogenic solid state cooling. Proceedings of SPIE, 2016, , .	0.8	3
39	BiSb and spin-related thermoelectric phenomena. Proceedings of SPIE, 2016, , .	0.8	5
40	Spin Seebeck effect through antiferromagnetic NiO. Physical Review B, 2016, 94, .	1.1	72
41	Chapter 2 Tetradymites. , 2016, , 39-94.		9
42	Magnon-drag thermopower and Nernst coefficient in Fe, Co, and Ni. Physical Review B, 2016, 94, .	1.1	107
43	Research Update: Utilizing magnetization dynamics in solid-state thermal energy conversion. APL Materials, 2016, 4, .	2.2	18
44	High-temperature oxidation behavior of thermoelectric SnSe. Journal of Alloys and Compounds, 2016, 669, 224-231.	2.8	69
45	Thermoelectric and spin-caloritronic coolers: from basics to recent developments. Proceedings of SPIE, 2016, , .	0.8	4
46	Solid-State Heat Convertors. , 2016, , 3781-3798.		0
47	Solid-State Heat Convertors. , 2016, , 1-19.		0
48	Comment on â€œThermal properties of magnons in yttrium iron garnet at elevated magnetic fieldsâ€• Physical Review B, 2015, 91, .	1.1	2
49	Effect of the magnon dispersion on the longitudinal spin Seebeck effect in yttrium iron garnets. Physical Review B, 2015, 92, .	1.1	111
50	Anisotropic defect-induced ferromagnetism and transport in Gd-doped GaN two-dimensional electron gasses. Physical Review B, 2015, 92, .	1.1	2
51	Off-stoichiometric silver antimony telluride: An experimental study of transport properties with intrinsic and extrinsic doping. AIP Advances, 2015, 5, .	0.6	9
52	P-type doping of elemental bismuth with indium, gallium and tin: a novel doping mechanism in solids. Energy and Environmental Science, 2015, 8, 2027-2040.	15.6	32
53	YbCu2Si2â€“LaCu2Si2 Solid Solutions with Enhanced Thermoelectric Power Factors. Journal of Electronic Materials, 2015, 44, 1663-1667.	1.0	9
54	Phonon-induced diamagnetic force and its effect on the lattice thermal conductivity. Nature Materials, 2015, 14, 601-606.	13.3	45

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55	The anharmonicity blacksmith. Nature Physics, 2015, 11, 990-991.	6.5	100
56	Transport properties and valence band feature of high-performance (GeTe)₈₅(AgSbTe₂)₁₅thermoelectric materials. New Journal of Physics, 2014, 16, 013057.	1.2	34
57	Electronic structure and thermoelectric properties of p-type Ag-doped Mg2Sn and Mg2Sn1-xSix (xâ€‰=â€‰0.05, 0.1). Journal of Applied Physics, 2014, 116, .	1.1	35
58	Thermoelectric transport in indium and aluminum-doped lead selenide. Journal of Applied Physics, 2014, 115, 053704.	1.1	13
59	Experimental study of the valence band of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2014, 90, .	1.1	17
60	Influence of substituting Sn for Sb on the thermoelectric transport properties of CoSb3-based skutterudites. Journal of Applied Physics, 2014, 115, 103704.	1.1	19
61	The ugly duckling. Nature, 2014, 508, 327-328.	13.7	86
62	Spin-Seebeck like signal in ferromagnetic bulk metallic glass without platinum contacts. Solid State Communications, 2014, 198, 40-44.	0.9	12
63	Magnon thermal mean free path in yttrium iron garnet. Physical Review B, 2014, 90, .	1.1	136
64	Spin caloritronics. Energy and Environmental Science, 2014, 7, 885.	15.6	361
65	Valence-band structure of highly efficient<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi></mml:math>-type thermoelectric PbTe-PbS alloys. Physical Review B, 2013, 87, .	1.1	74
66	Lone pair electrons minimize lattice thermal conductivity. Energy and Environmental Science, 2013, 6, 570-578.	15.6	520
67	When thermoelectrics reached the nanoscale. Nature Nanotechnology, 2013, 8, 471-473.	15.6	531
68	Electronic inhomogeneity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>n</mml:mi></mml:math>- and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi></mml:math>-type PbTe detected by<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>125</mml:mn></mml:msup></mml:math>Te NMR. Physical Review B, 2013, 88, .	1.1	17
69	Semiconductors for thermoelectric and spin-thermal solid-state energy conversion. , 2013, , .		0
70	Enhanced thermoelectric power factor in Yb1â^'xScxAl2 alloys using chemical pressure tuning of the Yb valence. Journal of Applied Physics, 2013, 114, .	1.1	17
71	Enhancement in the figure of merit of p-type Bi_{100â^'x}Sb_x alloys through multiple valence-band doping. Applied Physics Letters, 2012, 101, 053904.	1.5	18
72	Thermoelectric transport properties of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>n</mml:mi></mml:math>-type impurity Al in PbTe. Physical Review B, 2012, 85, .	1.1	30

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73	Thermoelectric Heat Pump. , 2012, , 2741-2741.		0
74	Chromium as resonant donor impurity in PbTe. Physical Review B, 2012, 85, .	1.1	55
75	Giant spin Seebeck effect in a non-magnetic material. Nature, 2012, 487, 210-213.	13.7	164
76	Resonant levels in bulk thermoelectric semiconductors. Energy and Environmental Science, 2012, 5, 5510-5530.	15.6	764
77	Thermal Actuators. , 2012, , 2680-2697.		1
78	Theoretical Elasticity. , 2012, , 2667-2667.		0
79	Lithium as an Interstitial Donor in Bismuth and Bismuthâ€“Antimony Alloys. Journal of Electronic Materials, 2012, 41, 1648-1652.	1.0	7
80	SnTeâ€“AgSbTe₂ Thermoelectric Alloys. Advanced Energy Materials, 2012, 2, 58-62.	10.2	78
81	Combining alloy scattering of phonons and resonant electronic levels to reach a high thermoelectric figure of merit in PbTeSe and PbTeS alloys. Energy and Environmental Science, 2011, 4, 4155.	15.6	122
82	High Performance Na-doped PbTeâ€“PbS Thermoelectric Materials: Electronic Density of States Modification and Shape-Controlled Nanostructures. Journal of the American Chemical Society, 2011, 133, 16588-16597.	6.6	322
83	Titanium forms a resonant level in the conduction band of PbTe. Physical Review B, 2011, 84, .	1.1	56
84	Spin-Seebeck Effect: A Phonon Driven Spin Distribution. Physical Review Letters, 2011, 106, 186601.	2.9	168
85	The effects of neutron irradiation and low temperature annealing on the electrical properties of highly doped 4H silicon carbide. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 622, 200-206.	0.7	9
86	Observation of the spin-Seebeck effect in a ferromagnetic semiconductor. Nature Materials, 2010, 9, 898-903.	13.3	665
87	Antimony as an amphoteric dopant in lead telluride. Physical Review B, 2009, 80, .	1.1	58
88	Thermoelectric properties of bismuth nanowires in a quartz template. Applied Physics Letters, 2009, 94, 192104.	1.5	37
89	Understanding Electrical Transport and the Large Power Factor Enhancements in Co-Nanostructured PbTe. Materials Research Society Symposia Proceedings, 2009, 1166, 1.	0.1	0
90	Doping Effects on the Thermoelectric Properties of AgSbTe2. Journal of Electronic Materials, 2009, 38, 1504-1509.	1.0	45

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91	Mean free path limitation of thermoelectric properties of bismuth nanowire. Journal of Applied Physics, 2009, 105, 113706.	1.1	47
92	Resonant level formed by tin in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Bi</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub> the enhancement of room-temperature thermoelectric power. Physical Review B, 2009, 80, .	1.1	85
93	High Temperature Multi-Fuel Combustion-Powered Thermoelectric Auxiliary Power Unit. , 2009, , .		0
94	Intrinsic thermoelectric figure of merit enhancement in semiconductors. , 2009, , .		1
95	Thermoelectric power generation for hybrid-electric vehicle auxiliary power. , 2009, , .		0
96	Enhancement of Thermoelectric Efficiency in PbTe by Distortion of the Electronic Density of States. Science, 2008, 321, 554-557.	6.0	3,442
97	Intrinsically Minimal Thermal Conductivity in Cubic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="normal">I</mml:mi><mml:mtext mathvariant="normal">â^'</mml:mtext><mml:mi mathvariant="normal">V</mml:mi><mml:mtext mathvariant="normal">â^'</mml:mtext><mml:msub><mml:mi>VI</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>Semic Physical Review Letters, 2008, 101, 035901.	2.9	778
98	Experimental study of the thermoelectric power factor enhancement in composites. Applied Physics Letters, 2008, 93, .	1.5	29
99	Measurements of the energy band gap and valence band structure of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>AgSbTe</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2008, 77, .	1.1	114
100	Low temperature thermal, thermoelectric, and thermomagnetic transport in indium rich Pb1â^'xSnxTe alloys. Journal of Applied Physics, 2008, 103, 053710.	1.1	61
101	High Temperature Thermoelectric Auxiliary Power Unit for Automotive Applications. , 2008, , .		3
102	High-Temperature Thermoelectric Properties of Pb_{1-x}Sn_xTe:In. Materials Research Society Symposia Proceedings, 2007, 1044, 1.	0.1	2
103	Transport and magnetic properties of dilute rare-earthâ€“PbSe alloys. Journal of Applied Physics, 2007, 102, 043707.	1.1	36
104	On the enhancement of the figure of merit in bulk nanocomposites. Physica Status Solidi - Rapid Research Letters, 2007, 1, 256-258.	1.2	17
105	Temperature stable Hall effect sensors. IEEE Sensors Journal, 2006, 6, 106-110.	2.4	17
106	Opportunities for Thermoelectric Energy Conversion in Hybrid Vehicles. , 2006, , 405.		2
107	Thermoelectric and Thermomagnetic Transport in PbTe with Nanoscale Structures. Materials Research Society Symposia Proceedings, 2005, 886, 1.	0.1	1
108	Effects of buffer layers on the structural and electronic properties of InSb films. Journal of Applied Physics, 2005, 97, 043713.	1.1	37

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109	Thermopower enhancement in PbTe with Pb precipitates. Journal of Applied Physics, 2005, 98, 063703.	1.1	327
110	Thermopower enhancement in lead telluride nanostructures. Physical Review B, 2004, 70, .	1.1	530
111	Quantum transport, anomalous dephasing, and spin-orbit coupling in an open ballistic bismuth nanocavity. Physical Review B, 2003, 67, .	1.1	15
112	Resistance, Magnetoresistance, and Thermopower of Zinc Nanowire Composites. Physical Review Letters, 2003, 91, 076804.	2.9	76
113	Magnetic and thermal properties of iron-doped lead telluride. Physical Review B, 2003, 67, .	1.1	21
114	Thermoelectric power, electrical and thermal resistance, and magnetoresistance of nanowire composites.. Materials Research Society Symposia Proceedings, 2003, 793, 94.	0.1	4
115	Thermoelectric Transport in Bismuth Nanowires: Experimental Results. Fundamental Materials Research, 2003, , 185-201.	0.1	0
116	Thermal conductivity of germanium, silicon, and carbon nitrides. Applied Physics Letters, 2002, 81, 5126-5128.	1.5	118
117	Estimation of the isotope effect on the lattice thermal conductivity of group IV and group III-V semiconductors. Physical Review B, 2002, 66, .	1.1	511
118	Thermoelectric Power of Bismuth Nanocomposites. Physical Review Letters, 2002, 88, 216801.	2.9	263
119	Geometrical Magnetothermopower in Semiconductors. Physical Review Letters, 2001, 86, 2098-2101.	2.9	33
120	Geometrical magnetothermopower inn- andp-type InSb. Physical Review B, 2001, 65, .	1.1	12
121	Transport properties of Bi nanowire arrays. Applied Physics Letters, 2000, 76, 3944-3946.	1.5	177
122	Evolution of structural and electronic properties of highly mismatched InSb films. Journal of Applied Physics, 2000, 88, 6276-6286.	1.1	50
123	Electronic transport properties of single-crystal bismuth nanowire arrays. Physical Review B, 2000, 61, 4850-4861.	1.1	277
124	Bismuth nanowire arrays:â€ƒSynthesis and galvanomagnetic properties. Physical Review B, 2000, 61, 2921-2930.	1.1	329
125	Linear geometrical magnetoresistance effect: Influence of geometry and material composition. Physical Review B, 1999, 59, 13927-13942.	1.1	39
126	Thermoelectric power of bismuth nanowires. Physical Review B, 1999, 59, 12579-12583.	1.1	211

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127	The influence of stoichiometry on the growth of tellurium-doped indium antimonide for magnetic field sensors. Journal of Crystal Growth, 1998, 195, 378-384.	0.7	9
128	Temperature dependence of relaxation times in electron focusing and antidot structures made from In0.53Ga0.47As/InP heterojunctions. Superlattices and Microstructures, 1998, 24, 263-267.	1.4	2
129	Doping profiles for indium antimonide magnetoresistors. Sensors and Actuators A: Physical, 1998, 69, 39-45.	2.0	7
130	Negative magnetoresistance in (InSb)1â^'xYx at low temperature. Journal of Applied Physics, 1998, 83, 2041-2045.	1.1	3
131	Magnetoresistance of bismuth nanowire arrays: A possible transition from one-dimensional to three-dimensional localization. Physical Review B, 1998, 58, R10091-R10095.	1.1	133
132	Magnetotransport investigations of ultrafine single-crystalline bismuth nanowire arrays. Applied Physics Letters, 1998, 73, 1589-1591.	1.5	162
133	Magnetic Field Sensors for Magnetic Position Sensing in Automotive Applications. Materials Research Society Symposia Proceedings, 1997, 475, 63.	0.1	20
134	Nanowire bonding with the scanning tunneling microscope. Surface Science, 1997, 386, 279-289.	0.8	6
135	Indium antimonide doped with manganese grown by molecular beam epitaxy. Journal of Crystal Growth, 1997, 175-176, 860-867.	0.7	8
136	Growth of tin-doped indium antimonide for magnetoresistors. Journal of Electronic Materials, 1997, 26, 1237-1243.	1.0	4
137	Quantum Transport in a Multiwalled Carbon Nanotube. Physical Review Letters, 1996, 76, 479-482.	2.9	475
138	Temperature dependence of the magnetoresistance ofInxGa1â^'xAs antidot lattices. Physical Review B, 1996, 54, 2685-2690.	1.1	3
139	An investigation of the multicarrier transport properties of -doped InSb at high temperatures using a mobility spectrum technique. Semiconductor Science and Technology, 1996, 11, 1857-1862.	1.0	5
140	Electronic properties of carbon nanotubes: Experimental results. Carbon, 1995, 33, 941-948.	5.4	112
141	Negative magnetoresistance as a result of hopping conduction in polycrystalline thin films of Î²-FeSi2. Physical Review B, 1995, 52, 4643-4646.	1.1	12
142	Temperature dependence of electron focusing inIn1â^'xGaxAs/InP heterojunctions. Physical Review B, 1995, 52, 5767-5772.	1.1	6
143	Electrical measurements on submicronic synthetic conductors: carbon nanotubes. Synthetic Metals, 1995, 70, 1393-1396.	2.1	13
144	Electrical resistance of a carbon nanotube bundle. Journal of Materials Research, 1994, 9, 927-932.	1.2	156

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145	Scanning tunneling spectroscopy of carbon nanotubes. Journal of Materials Research, 1994, 9, 259-262.	1.2	126
146	Optical and electronic properties of nitrogen-implanted diamond-like carbon films. Journal of Materials Research, 1994, 9, 85-90.	1.2	33
147	Growth of high mobility InSb by metalorganic chemical vapor deposition. Journal of Electronic Materials, 1994, 23, 75-79.	1.0	22
148	Magnetic susceptibility of carbon structures. Physical Review B, 1994, 49, 15122-15125.	1.1	157
149	Nanolithographic patterning of metal films with a scanning tunnelling microscope. Physica Scripta, 1994, T55, 86-89.	1.2	2
150	Role of a nucleation layer in suppressing interfacial pitting in. Journal of Electronic Materials, 1993, 22, 383-389.	1.0	2
151	Solid state magnetic field sensors and applications. Journal Physics D: Applied Physics, 1993, 26, 1149-1168.	1.3	216
152	Narrow-gap semiconductor magnetic-field sensors and applications. Semiconductor Science and Technology, 1993, 8, S424-S430.	1.0	72
153	Phononâ€electron scattering in single crystal silicon carbide. Applied Physics Letters, 1993, 63, 3143-3145.	1.5	33
154	Magneto-optical determination of theT-point energy gap in bismuth. Physical Review B, 1993, 48, 11439-11442.	1.1	12
155	Magnetotransport and magnetoâ€optical properties of Î´â€doped InSb. Journal of Applied Physics, 1993, 74, 1793-1798.	1.1	16
156	Cyclotron resonance in epitaxialBi1â^'xSbxfilms grown by molecular-beam epitaxy. Physical Review B, 1993, 48, 11329-11335.	1.1	20
157	Far-infrared investigation of band-structure parameters and exchange interaction inPb1â^'xEuxTe films. Physical Review B, 1992, 46, 13331-13338.	1.1	14
158	Growth and characterization of indium antimonide doped with lead telluride. Journal of Applied Physics, 1992, 71, 2328-2332.	1.1	15
159	Thermal conductivity of single crystal lanthanum cuprates at very low temperature. Solid State Communications, 1991, 77, 773-776.	0.9	10
160	Indium antimonide doped with lead telluride grown by molecular beam epitaxy. Journal of Crystal Growth, 1991, 111, 614-618.	0.7	3
161	Growth and characterization of indium arsenide thin films. Journal of Electronic Materials, 1991, 20, 1109-1115.	1.0	18
162	Strong nonlinear optical enhancement in MBE-grown Bi1â^'xSbx. Journal of Crystal Growth, 1991, 111, 693-697.	0.7	4

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163	Epitaxial growth of aluminum nitride on Si(111) by reactive sputtering. Applied Physics Letters, 1991, 59, 2097-2099.	1.5	102
164	Ã‰talon enhancement of nonlinear optical response in Bi1â^'xSbx. Applied Physics Letters, 1991, 59, 756-758.	1.5	7
165	Eesleyet al. reply. Physical Review Letters, 1991, 67, 1054-1054.	2.9	11
166	Electrical transport and optical properties of zirconium nitride/aluminum nitride multilayers. Journal of Applied Physics, 1991, 69, 846-849.	1.1	6
167	Relaxation time of the order parameter in a high-temperature superconductor. Physical Review Letters, 1990, 65, 3445-3448.	2.9	114
168	Scanning tunneling microscopy of a stage-1CuCl2graphite intercalation compound. Physical Review B, 1990, 42, 7524-7529.	1.1	23
169	Anisotropic thermal conductivity of superconducting lanthanum cuprate. Physical Review B, 1990, 41, 2520-2523.	1.1	32
170	Nonlinear optical properties of molecular beam epitaxy grown Bi1â^'xSbx. Applied Physics Letters, 1990, 57, 336-338.	1.5	16
171	Transmission electron microscopy studies of bismuth films. Journal of Materials Research, 1990, 5, 784-788.	1.2	12
172	Galvanomagnetic properties of single-crystal bismuth-antimony thin films. Semiconductor Science and Technology, 1990, 5, S257-S259.	1.0	35
173	Twoâ€dimensional electron gas magnetic field sensors. Applied Physics Letters, 1990, 57, 291-293.	1.5	21
174	Stability of group IV-VI semiconductor alloys. Physical Review B, 1989, 39, 10995-11000.	1.1	7
175	Thermal properties of single-crystalLa2CuO4â^'Î". Physical Review B, 1989, 39, 804-807.	1.1	29
176	Anisotropic Thermal Conductivity of Superconducting Lanthanum Cuprate. Materials Research Society Symposia Proceedings, 1989, 169, 1101.	0.1	0
177	Growth and characterization of epitaxial bismuth films. Physical Review B, 1988, 38, 3818-3824.	1.1	118
178	Observation of metallic conductivity in liquid carbon. Physical Review Letters, 1988, 60, 452-455.	2.9	78
179	Thermal and electronic properties of rare-earthBa2Cu3Oxsuperconductors. Physical Review B, 1988, 37, 1604-1610.	1.1	82
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181	Properties of tellurium-doped epitaxial bismuth films. Physical Review B, 1988, 38, 10280-10284.	1.1	13
182	Ordering and stability of Pb1â^'xEuxTe alloys. Journal of Applied Physics, 1988, 63, 1504-1508.	1.1	17
183	Thermal conductivity of singleâ€crystal barium fluoride. Journal of Applied Physics, 1988, 63, 573-574.	1.1	6
184	Magnetic-field dependence of PbTe-EuTe transistor characteristics. Physical Review B, 1988, 38, 3549-3552.	1.1	9
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