Laurens Molenkamp

List of Publications by Year
in descending order

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457 papers	27,640 citations	9756 73 h-index	6282 158 g-index
464 all docs	464 docs citations	464 times ranked	15256 citing authors

#	Article	IF	Citations
1	Finite Field Transport Response of a Dilute Magnetic Topological Insulator-Based Josephson Junction. Nano Letters, 2022, 22, 3557-3561.	4.5	2
2	Counterpropagating topological and quantum Hall edge channels. Nature Communications, 2022, 13, 2682.	5.8	6
3	Bulk-like magnetic properties in MBE-grown unstrained, antiferromagnetic CuMnSb. Applied Physics Letters, 2022, 121, 012401.	1.5	0
4	Low-Temperature Atomic Layer Deposition of Hafnium Oxide for Gating Applications. ACS Applied Materials & Interfaces, 2022, 14, 33960-33967.	4.0	4
5	Editorial: PRB's 50th Anniversary 1970-2020. Physical Review B, 2021, 103, .	1.1	0
6	Editorial: PRB's 50th Anniversary 1970-2020. Physical Review B, 2021, 103, .	1.1	0
7	Profiling spin and orbital texture of a topological insulator in full momentum space. Physical Review B, 2021, 103, .	1.1	7
8	Quantized spin Hall conductance in a magnetically doped two dimensional topological insulator. Nature Communications, 2021, 12, 3193.	5.8	17
9	Electronâ€“Hole Scattering Limited Transport of Dirac Fermions in a Topological Insulator. Nano Letters, 2021, 21, 5195-5200.	4.5	4
10	Any axion insulator must be a bulk three-dimensional topological insulator. Physical Review B, 2021, 103, .	1.1	25
11	Super-Resonant Transport of Topological Surface States Subjected to In-Plane Magnetic Fields. Physical Review Letters, 2021, 127, 076601.	2.9	6
12	Unidirectional magnetoresistance and spin-orbit torque in NiMnSb. Physical Review B, 2021, 104, .	1.1	13
13	Quantum anomalous Hall edge channels survive up to the Curie temperature. Nature Communications, 2021, 12, 5599.	5.8	21
14	Massive and Topological Surface States in Tensile-Strained HgTe. Nano Letters, 2021, 21, 9869-9874.	4.5	8
15	Quantized phase-coherent heat transport of counterpropagating Majorana modes. Physical Review B, 2021, 104, .	1.1	2
16	Absence of evidence for chiral Majorana modes in quantum anomalous Hall-superconductor devices. Science, 2020, 367, 64-67.	6.0	93
17	Interacting topological edge channels. Nature Physics, 2020, 16, 83-88.	6.5	58
18	Emergent quantum Hall effects below 50 mT in a two-dimensional topological insulator. Science Advances, 2020, 6, eaba4625.	4.7	24

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19	Dynamical Separation of Bulk and Edge Transport in HgTe-Based 2D Topological Insulators. Physical Review Letters, 2020, 124, 076802.	2.9	18
20	Coexistence of Surface and Bulk Ferromagnetism Mimics Skyrmion Hall Effect in a Topological Insulator. Physical Review X, 2020, 10, .	2.8	29
21	Comparing magnetic ground-state properties of the V- and Cr-doped topological insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mrow><mml:mo>(</mml:mo> Physical Review B, 2020, 101, .	1.1	22
22	Efficiency of ultrafast optically induced spin transfer in Heusler compounds. Physical Review Research, 2020, 2, .	1.3	29
23	Selective area grown ZnTe nanowires as the basis for quasi-one-dimensional CdTe-HgTe multishell heterostructures. Physical Review Materials, 2020, 4, .	0.9	1
24	Molecular beam epitaxy of the half-Heusler antiferromagnet CuMnSb. Physical Review Materials, 2020, 4, .	0.9	5
25	Approaching Quantization in Macroscopic Quantum Spin Hall Devices through Gate Training. Physical Review Letters, 2019, 123, 047701.	2.9	40
26	Ultrafast nonlocal collective dynamics of Kane plasmon-polaritons in a narrow-gap semiconductor. Science Advances, 2019, 5, eaau9956.	4.7	16
27	Interplay of Dirac Nodes and Volkov-Pankratov Surface States in Compressively Strained HgTe. Physical Review X, 2019, 9, .	2.8	21
28	Proximity-Induced Superconductivity in CdTeâ€“HgTe Coreâ€“Shell Nanowires. Nano Letters, 2019, 19, 4078-4082.	4.5	14
29	Residual strain in free-standing CdTe nanowires overgrown with HgTe. Applied Physics Letters, 2019, 114, 153104.	1.5	3
30	Topological superconductivity in a phase-controlled Josephson junction. Nature, 2019, 569, 93-98.	13.7	225
31	Phase-Tunable Thermal Rectification in the Topological SQUIPT. Physical Review Applied, 2019, 11, .	1.5	22
32	Band structure engineering and reconstruction in electric circuit networks. Physical Review B, 2019, 99, .	1.1	110
33	Magnetoresistance in the in-plane magnetic field induced semimetallic phase of inverted HgTe quantum wells. Physical Review B, 2019, 99, .	1.1	3
34	How to measure the entropy of a mesoscopic system via thermoelectric transport. Nature Communications, 2019, 10, 5801.	5.8	37
35	Survival of the Quantum Anomalous Hall Effect in Orbital Magnetic Fields as a Consequence of the Parity Anomaly. Physical Review Letters, 2019, 123, 226602.	2.9	28
36	Breaking crystalline symmetry of epitaxial SnTe films by strain. Physical Review Materials, 2019, 3, .	0.9	5

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37	Precision measurement of the quantized anomalous Hall resistance at zero magnetic field. Applied Physics Letters, 2018, 112, .	1.5	51
38	Self-organization process in crystalline PbTe/CdTe multilayer structures: Experiment and Monte Carlo simulations. Journal of Alloys and Compounds, 2018, 747, 809-814.	2.8	9
39	Hanbury-Brown and Twiss exchange and non-equilibrium-induced correlations in disordered, four-terminal graphene-ribbon conductor. Scientific Reports, 2018, 8, 14952.	1.6	2
40	Microwave Studies of the Fractional Josephson Effect in HgTe-Based Josephson Junctions. Springer Series in Solid-state Sciences, 2018, , 115-148.	0.3	5
41	Topolectrical-circuit realization of topological corner modes. Nature Physics, 2018, 14, 925-929.	6.5	776
42	Relativistic Gurzhi effect in channels of Dirac materials. Physical Review B, 2018, 97, .	1.1	27
43	High Mobility HgTe Microstructures for Quantum Spin Hall Studies. Nano Letters, 2018, 18, 4831-4836.	4.5	40
44	Topological SQUIPT Based on Helical Edge States in Proximity to Superconductors. Physical Review Applied, 2018, 10, .	1.5	16
45	Electronâ€“hole asymmetry of the topological surface states in strained HgTe. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3381-3386.	3.3	16
46	Observation of the universal magnetoelectric effect in a 3D topological insulator. Nature Communications, 2017, 8, 15197.	5.8	136
47	Microstructural characterization of Cr-doped (Bi,Sb)₂Te₃thin films. CrystEngComm, 2017, 19, 3633-3639.	1.3	6
48	Observation of Volkov-Pankratov states in topological HgTe heterojunctions using high-frequency compressibility. Physical Review B, 2017, 96, .	1.1	40
49	Transport spectroscopy of induced superconductivity in the three-dimensional topological insulator HgTe. Physical Review B, 2017, 96, .	1.1	32
50	Josephson junction dynamics in the presence of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>2</mml:mn><mml:mi>Ï€</mml:mi></mml:mrow></mml: - and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>4</mml:mn><mml:mi>Ï€</mml:mi></mml:mrow></mml: -periodic supercurrents. Physical Review B, 2017, 95, .	1.1	57
51	Engineering the magnetic anisotropy axes in epitaxial half-Heusler NiMnSb by Pt and Ta capping. Applied Physics Letters, 2017, 111, 172402.	1.5	4
52	Interplay of Chiral and Helical States in a Quantum Spin Hall Insulator Lateral Junction. Physical Review Letters, 2017, 119, 226401.	2.9	17
53	Josephson Radiation from Gapless Andreev Bound States in HgTe-Based Topological Junctions. Physical Review X, 2017, 7, .	2.8	108
54	Scaling of the Quantum Anomalous Hall Effect as an Indicator of Axion Electrodynamics. Physical Review Letters, 2017, 118, 246801.	2.9	67

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55	All-thermal transistor based on stochastic switching. Physical Review B, 2017, 95, .	1.1	39
56	Gapless Andreev bound states in the quantum spin Hall insulator HgTe. Nature Nanotechnology, 2017, 12, 137-143.	15.6	237
57	Controlled finite momentum pairing and spatially varying order parameter in proximitized HgTe quantum wells. Nature Physics, 2017, 13, 87-93.	6.5	70
58	Single-electron thermal devices coupled to a mesoscopic gate. New Journal of Physics, 2017, 19, 113040.	1.2	39
59	Epitaxy and structural properties of (V,Bi,Sb) <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Te</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml layers exhibiting the quantum anomalous Hall effect. Physical Review Materials, 2017, 1, .	0.9	23
60	CdTe-HgTe core-shell nanowire growth controlled by RHEED. Physical Review Materials, 2017, 1, .	0.9	10
61	Coulomb-blockade peak spacing statistics of graphene quantum dots on SiO2. Journal of Applied Physics, 2016, 120, .	1.1	2
62	Low-current, narrow-linewidth microwave signal generation in NiMnSb based single-layer nanocontact spin-torque oscillators. Applied Physics Letters, 2016, 109, .	1.5	3
63	Thermoelectrics with Coulomb-coupled quantum dots. Comptes Rendus Physique, 2016, 17, 1109-1122.	0.3	33
64	Room-temperature spinâ€“orbit torque in NiMnSb. Nature Physics, 2016, 12, 855-860.	6.5	79
65	Anisotropic and strong negative magnetoresistance in the three-dimensional topological insulator<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:m Physical Review B, 2016, 94, .	1.1	59
66	Thermal control and generation of charge currents in coupled quantum dots. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 582-590.	0.8	4
67	Strain Engineering of the Band Gap of HgTe Quantum Wells Using Superlattice Virtual Substrates. Physical Review Letters, 2016, 117, 086403.	2.9	55
68	Impurity states in the magnetic topological insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">V</mml:mi><mml:mo>:</mml:mo><mml:msub><mml:mrow><mml:mo>(</mml:mo><mml:mi) Tj ETQq0 0 0 rgBT	1.1	35
69	Physical Review B, 2016, 94, . Thermodynamic origin of the slow free exciton photoluminescence rise in GaAs. Physical Review B, 2016, 93, .	1.1	14
70	High-temperature quantum Hall effect in finite gapped HgTe quantum wells. Physical Review B, 2016, 93, .	1.1	19
71	4Ï€-periodic Josephson supercurrent in HgTe-based topological Josephson junctions. Nature Communications, 2016, 7, 10303.	5.8	301
72	Kinetic limitation of chemical ordering in Bi₂Te_{3â^'x}Se_xlayers grown by molecular beam epitaxy. Journal of Physics Condensed Matter, 2016, 28, 145002.	0.7	4

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73	Optical power-driven electron spin relaxation regime crossover in Mn-doped bulk GaAs. Physical Review B, 2015, 92, .	1.1	3
74	Correct determination of low-temperature free-exciton diffusion profiles in GaAs. Physical Review B, 2015, 92, .	1.1	8
75	Coincidence of superparamagnetism and perfect quantization in the quantum anomalous Hall state. Physical Review B, 2015, 92, .	1.1	87
76	Tunable damping, saturation magnetization, and exchange stiffness of half-Heusler NiMnSb thin films. Physical Review B, 2015, 92, .	1.1	49
77	Spatially Resolved Thermodynamics of the Partially Ionized Exciton Gas in GaAs. Physical Review Letters, 2015, 114, 227402.	2.9	12
78	Polytypism and band alignment in ZnSe nanowires revealed by photoluminescence spectroscopy of embedded (Zn,Cd)Se quantum dots. Physical Review B, 2015, 91, .	1.1	2
79	Dimensional crossover of free exciton diffusion in etched GaAs wire structures. Applied Physics Letters, 2015, 107, 122106.	1.5	2
80	Thermal gating of charge currents with Coulomb coupled quantum dots. New Journal of Physics, 2015, 17, 113003.	1.2	26
81	Rashba Effect and Beating Patterns in the THz Magneto-Photoresponse of a HgTe-Based Two-Dimensional Electron Gas. Selected Topics in Electornics and Systems, 2015, , 67-73.	0.2	0
82	Unexpected edge conduction in mercury telluride quantum wells under broken time-reversal symmetry. Nature Communications, 2015, 6, 7252.	5.8	101
83	Spin Hall effect-controlled magnetization dynamics in NiMnSb. Journal of Applied Physics, 2015, 117, 17E103.	1.1	12
84	Temperature-driven transition from a semiconductor to a topological insulator. Physical Review B, 2015, 91, .	1.1	29
85	Nanoscale morphology of multilayer PbTe/CdTe heterostructures and its effect on photoluminescence properties. Nanotechnology, 2015, 26, 135601.	1.3	9
86	Nonsinusoidal Current-Phase Relationship in Josephson Junctions from the 3D Topological Insulator HgTe. Physical Review Letters, 2015, 114, 066801.	2.9	99
87	Observation of Thermoelectric Voltages from the Two-Dimensional Electron Gas of a HgTe Quantum Well Due to Resonant THz Laser Heating. Journal of Electronic Materials, 2015, 44, 3598-3602.	1.0	0
88	Magneto-Optics of Massive Dirac Fermions in Bulk<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow><mml:mi>Bi</mml:mi></mml:mrow><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mrow><mml:mi>Se</mml:mi></mml:mrow><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2015, 114, 186401.	2.9	65
89	Rashba Effect and Beating Patterns in the THz Magneto-Photoresponse of a HgTe-Based Two-Dimensional Electron Gas. International Journal of High Speed Electronics and Systems, 2015, 24, 1520003.	0.3	0
90	Phase-sensitive SQUIDs based on the 3D topological insulator HgTe. Physica Scripta, 2015, T164, 014002.	1.2	12

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91	Three-terminal energy harvester with coupled quantum dots. Nature Nanotechnology, 2015, 10, 854-858.	15.6	199
92	Landau levels and spin splitting in the two-dimensional electron gas of a HgTe quantum well near the critical width for the topological phase transition. Physical Review B, 2014, 90, .	1.1	12
93	Dirac-Screening Stabilized Surface-State Transport in a Topological Insulator. Physical Review X, 2014, 4, .	2.8	35
94	Electronic structure and morphology of epitaxial Bi2Te2Se topological insulator films. Journal of Applied Physics, 2014, 116, 193708.	1.1	14
95	Excitonic ring formation in ultrapure bulk GaAs. Physical Review B, 2014, 90, .	1.1	4
96	Exciton decay dynamics controlled by impurity occupation in strongly Mn-doped and partially compensated bulk GaAs. Physical Review B, 2014, 90, .	1.1	2
97	Control of the magnetic in-plane anisotropy in off-stoichiometric NiMnSb. Journal of Applied Physics, 2014, 115, 094505.	1.1	14
98	Spin coherence of electrons and holes in ZnSeâ€based quantum wells studied by pumpâ€“probe Kerr rotation. Physica Status Solidi (B): Basic Research, 2014, 251, 1872-1880.	0.7	15
99	Removal of GaAs growth substrates from IIâ€“VI semiconductor heterostructures. Semiconductor Science and Technology, 2014, 29, 045016.	1.0	2
100	Spin Texture of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Bi</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mm Films in the Quantum Tunneling Limit. Physical Review Letters, 2014, 112, 057601.	2.9	61
101	Sophisticated process for a spin-torque device fabricated from a pillar containing two different ferromagnetic materials separated by a non-magnetic layer. Microelectronic Engineering, 2014, 119, 20-23.	1.1	0
102	Suppressing Twin Formation in Bi₂Se₃ Thin Films. Advanced Materials Interfaces, 2014, 1, 1400134.	1.9	52
103	Induced superconductivity in the quantum spin Hall edge. Nature Physics, 2014, 10, 638-643.	6.5	292
104	Self-consistentkÂ·pcalculations for gated thin layers of three-dimensional topological insulators. Physical Review B, 2014, 89, .	1.1	10
105	One-Dimensional Weak Antilocalization Due to the Berry Phase in HgTe Wires. Physical Review Letters, 2014, 112, 146803.	2.9	12
106	Time and spatially resolved electron spin detection in semiconductor heterostructures by magnetoâ€optical Kerr microscopy. Physica Status Solidi (B): Basic Research, 2014, 251, 1839-1849.	0.7	6
107	Hot electron spin diffusion in n-type GaAs. European Physical Journal Plus, 2014, 129, 1.	1.2	1
108	Suppressing twin formation in Bi2Se3thin films. Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C727-C727.	0.0	0

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109	Ultrafast supercontinuum fiber-laser based pump-probe scanning magneto-optical Kerr effect microscope for the investigation of electron spin dynamics in semiconductors at cryogenic temperatures with picosecond time and micrometer spatial resolution. Review of Scientific Instruments, 2013, 84, 123903.	0.6	18
110	Quantum Spin Hall State in HgTe. Contemporary Concepts of Condensed Matter Science, 2013, 6, 125-142.	0.5	0
111	Large room-temperature magnetoresistance in lateral organic spin valves fabricated by in situ shadow evaporation. Organic Electronics, 2013, 14, 2082-2086.	1.4	9
112	Vertical organic spin valves in perpendicular magnetic fields. Physical Review B, 2013, 88, .	1.1	49
113	Terahertz quantum Hall effect of Dirac fermions in a topological insulator. Physical Review B, 2013, 87, .	1.1	33
114	Imaging currents in HgTe quantum wells in the quantum spin Hall regime. Nature Materials, 2013, 12, 787-791.	13.3	230
115	Room temperature electrically tunable terahertz Faraday effect. Applied Physics Letters, 2013, 102, .	1.5	32
116	Diffusion thermopower of a serial double quantum dot. New Journal of Physics, 2013, 15, 123010.	1.2	37
117	Spatially Resolved Study of Backscattering in the Quantum Spin Hall State. Physical Review X, 2013, 3, .	2.8	76
118	Observing electronic structures on exâ€situ grown topological insulator thin films. Physica Status Solidi - Rapid Research Letters, 2013, 7, 130-132.	1.2	10
119	Josephson Supercurrent through the Topological Surface States of Strained Bulk HgTe. Physical Review X, 2013, 3, .	2.8	73
120	Shot noise in lithographically patterned graphene nanoribbons. Physical Review B, 2013, 88, .	1.1	12
121	Molecular beam epitaxy of high structural quality Bi2Se3 on lattice matched InP(111) substrates. Applied Physics Letters, 2013, 102, .	1.5	79
122	Editorial: Scope and Standards of PRB. Physical Review B, 2013, 87, .	1.1	1
123	Editorial: Scope and Standards of PRB. Physical Review B, 2013, 87, .	1.1	2
124	Hot carrier effects on the magneto-optical detection of electron spins in GaAs. Physical Review B, 2013, 88, .	1.1	5
125	Picosecond real-space imaging of electron spin diffusion in GaAs. Physical Review B, 2013, 88, .	1.1	11
126	Hot carrier effects on lateral electron spin diffusion in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>n</mml:mi></mml:math>-type GaAs. Physical Review B, 2013, 87, .	1.1	11

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127	Microstructural characterisation of Bi2Se3thin films. Journal of Physics: Conference Series, 2013, 471, 012043.	0.3	3
128	Fabrication of samples for scanning probe experiments on quantum spin Hall effect in HgTe quantum wells. Journal of Applied Physics, 2012, 112, 103713.	1.1	9
129	Spatially resolved photocarrier energy relaxation in low-doped bulk GaAs. Physical Review B, 2012, 86, .	1.1	13
130	Editorial: The End of PRB Brief Reports. Physical Review B, 2012, 86, .	1.1	0
131	Editorial: Laurens Molenkamp on Assuming the Editorship ofPhysical Review B. Physical Review B, 2012, 85, .	1.1	0
132	Quantum Hall effect in narrow graphene ribbons. Physical Review B, 2012, 86, .	1.1	10
133	Terahertz magneto-optical spectroscopy in HgTe thin films. Semiconductor Science and Technology, 2012, 27, 124004.	1.0	35
134	Induced Superconductivity in the Three-Dimensional Topological Insulator HgTe. Physical Review Letters, 2012, 109, 186806.	2.9	63
135	Fabrication of magnetic artificial atoms. Nanotechnology, 2012, 23, 395301.	1.3	0
136	Editorial: The End of PRB Brief Reports. Physical Review B, 2012, 86, .	1.1	0
137	Edge state transport through disordered graphene nanoribbons in the quantum Hall regime. Physical Review B, 2012, 86, .	1.1	11
138	Comparative Study of the Microstructure of Bi₂Se₃ Thin Films Grown on Si(111) and InP(111) Substrates. Crystal Growth and Design, 2012, 12, 1913-1918.	1.4	73
139	Editorial: Laurens Molenkamp on Assuming the Editorship ofPhysical Review B. Physical Review B, 2012, 85, .	1.1	0
140	Reentrant topological phases in Mn-doped HgTe quantum wells. Physical Review B, 2012, 85, .	1.1	26
141	Spin polarization of the quantum spin Hall edge states. Nature Physics, 2012, 8, 485-490.	6.5	264
142	Tunneling anisotropic magnetoresistance in organic spin valves. Physical Review B, 2011, 84, .	1.1	54
143	Backscattering of Dirac Fermions in HgTe Quantum Wells with a Finite Gap. Physical Review Letters, 2011, 106, 076802.	2.9	40
144	Surface State Charge Dynamics of a High-Mobility Three-Dimensional Topological Insulator. Physical Review Letters, 2011, 107, 136803.	2.9	75

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145	Giant Magneto-Optical Faraday Effect in HgTe Thin Films in the Terahertz Spectral Range. Physical Review Letters, 2011, 106, 107404.	2.9	102
146	Fine structure of zero-mode Landau levels in HgTe/HgxCd1â^'xTe quantum wells. Physical Review B, 2011, 83, .	1.1	56
147	Fully Electrical Read-Write Device Out of a Ferromagnetic Semiconductor. Physical Review Letters, 2011, 106, 057204.	2.9	22
148	Nonthermal Photocoercivity Effect in Low-Doped (Ga,Mn)As Ferromagnetic Semiconductor. AIP Conference Proceedings, 2011, , .	0.3	0
149	Optimal control of vortex-core polarity by resonant microwave pulses. Nature Physics, 2011, 7, 26-31.	6.5	61
150	Single valley Dirac fermions in zero-gap HgTe quantum wells. Nature Physics, 2011, 7, 418-422.	6.5	238
151	Quantum Hall Effect from the Topological Surface States of Strained Bulk HgTe. Physical Review Letters, 2011, 106, 126803.	2.9	427
152	Local domain sensing with nanostructured tunneling anisotropic magneto resistance probes. Applied Physics Letters, 2011, 99, 202504.	1.5	1
153	Zero field spin polarization in a two-dimensional paramagnetic resonant tunneling diode. Physical Review B, 2011, 83, .	1.1	16
154	Publisherâ€™s Note: Surface State Charge Dynamics of a High-Mobility Three-Dimensional Topological Insulator [Phys. Rev. Lett.107, 136803 (2011)]. Physical Review Letters, 2011, 107, .	2.9	1
155	Diffusion Thermopower of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mo stretchy="false">(</mml:mo><mml:mi>Ga</mml:mi><mml:mo>,</mml:mo><mml:mi>Mn</mml:mi><mml:mo) Tj ET Q q 1 1 0.78314 rg Junctions. Physical Review Letters, 2011, 107, 197201.	7.6	14
156	Photoinduced Barkhausen Effect in the Ferromagnetic Semiconductor (Ga,Mn)As. Physical Review Letters, 2011, 106, 037204.	2.9	7
157	Magnetic-field-induced exchange effects between Mn ions and free carriers in ZnSe quantum wells through the intermediate nonmagnetic barrier studied by photoluminescence. Physical Review B, 2011, 83, .	1.1	6
158	Induced magnetic anisotropy in lifted (Ga,Mn)As thin films. Applied Physics Letters, 2011, 98, 231903.	1.5	2
159	Farewell from the outgoing Editor-in-Chief. Semiconductor Science and Technology, 2011, 26, 120301.	1.0	0
160	Novel Spintronic Devices Using Local Anisotropy Engineering inÂ(Ga,Mn)As. Journal of Superconductivity and Novel Magnetism, 2010, 23, 69-73.	0.8	0
161	Highâ€Performance Single Crystal Organic Fieldâ€Effect Transistors Based on Two Dithiopheneâ€Tetrathiafulvalene (DTâ€TTF) Polymorphs. Advanced Materials, 2010, 22, 4198-4203.	11.1	100
162	Semimagnetic IIâ€“VI semiconductor resonant tunneling diodes characterized by high-resolution X-ray diffraction. Journal of Crystal Growth, 2010, 312, 1036-1039.	0.7	3

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163	Evidence for the ballistic intrinsic spin Hall effect in HgTe nanostructures. Nature Physics, 2010, 6, 448-454.	6.5	140
164	Fingerprint of different spinâ€“orbit terms for spin transport in HgTe quantum wells. New Journal of Physics, 2010, 12, 065012.	1.2	149
165	Spin injection and circular polarized electroluminescence from InAs-based spin-light emitting diode structures. Journal of Applied Physics, 2010, 107, 114510.	1.1	5
166	Single picojoule pulse switching of magnetization in ferromagnetic (Ga,Mn)As. Applied Physics Letters, 2010, 97, 232503.	1.5	15
167	Circular photogalvanic effect in HgTe/CdHgTe quantum well structures. Semiconductor Science and Technology, 2010, 25, 095005.	1.0	30
168	Quantum tunneling through planar pâ€“n junctions in HgTe quantum wells. New Journal of Physics, 2010, 12, 083058.	1.2	34
169	Interaction between Mn ions and free carriers in quantum wells with asymmetrical semimagnetic barriers. Europhysics Letters, 2010, 91, 67007.	0.7	3
170	A frequency-controlled magnetic vortex memory. Applied Physics Letters, 2010, 96, .	1.5	141
171	Nonthermal Photocoercivity Effect in a Low-Doped (Ga,Mn)As Ferromagnetic Semiconductor. Physical Review Letters, 2009, 102, 187401.	2.9	14
172	Influence of light on spin diffusion in weak magnetic fields. Physical Review B, 2009, 79, .	1.1	6
173	Nonlinear magnetogyrotropic photogalvanic effect. Physical Review B, 2009, 80, .	1.1	12
174	Electric-field induced modulation of the magneto-optical Kerr effect in a (Zn,Be,Mn)Se/GaAs spintronic device. Physical Review B, 2009, 80, .	1.1	4
175	Independent Magnetization Behavior of a Ferromagnetic Metal-Semiconductor Hybrid System. Physical Review Letters, 2009, 103, 017204.	2.9	15
176	INVESTIGATION OF SPIN TRANSPORT IN SEMICONDUCTORS BY SPATIALLY RESOLVED TWO-COLOR HANLE-MOKE MEASUREMENTS. International Journal of Modern Physics B, 2009, 23, 2760-2765.	1.0	0
177	Hall effects and related phenomena in disordered Rashba 2DEG. Semiconductor Science and Technology, 2009, 24, 064003.	1.0	10
178	Large depletion region at the epitaxial n-ZnSe/GaAs heterointerface. Semiconductor Science and Technology, 2009, 24, 035005.	1.0	7
179	A process for the fabrication of large areas of high resolution, high aspect ratio silicon structures using a negative tone Novolak based e-beam resist. Microelectronic Engineering, 2009, 86, 726-729.	1.1	7
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