

Laurens Molenkamp

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431
papers

23,250
citations

67
h-index

144
g-index

464
ext. papers

25,975
ext. citations

4.9
avg, IF

6.51
L-index

#	Paper	IF	Citations
431	Quantum spin hall insulator state in HgTe quantum wells. <i>Science</i> , 2007 , 318, 766-70	33.3	4215
430	Fundamental obstacle for electrical spin injection from a ferromagnetic metal into a diffusive semiconductor. <i>Physical Review B</i> , 2000 , 62, R4790-R4793	3.3	1653
429	Injection and detection of a spin-polarized current in a light-emitting diode. <i>Nature</i> , 1999 , 402, 787-790	50.4	1595
428	Nonlocal transport in the quantum spin Hall state. <i>Science</i> , 2009 , 325, 294-7	33.3	665
427	The Quantum Spin Hall Effect: Theory and Experiment. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 031007	1.5	592
426	Topoelectrical-circuit realization of topological corner modes. <i>Nature Physics</i> , 2018 , 14, 925-929	16.2	412
425	Quantum Hall effect from the topological surface states of strained bulk HgTe. <i>Physical Review Letters</i> , 2011 , 106, 126803	7.4	376
424	Suppression of the persistent spin Hall current by defect scattering. <i>Physical Review B</i> , 2004 , 70,	3.3	347
423	Tunneling anisotropic magnetoresistance: a spin-valve-like tunnel magnetoresistance using a single magnetic layer. <i>Physical Review Letters</i> , 2004 , 93, 117203	7.4	321
422	Voltage-controlled spin selection in a magnetic resonant tunneling diode. <i>Physical Review Letters</i> , 2003 , 90, 246601	7.4	230
421	Induced superconductivity in the quantum spin Hall edge. <i>Nature Physics</i> , 2014 , 10, 638-643	16.2	227
420	Giant oscillator strength of free excitons in GaAs. <i>Physical Review B</i> , 1987 , 35, 8281-8284	3.3	218
419	Band structure of semimagnetic Hg _{1-x} Mn _x Te quantum wells. <i>Physical Review B</i> , 2005 , 72,	3.3	217
418	Spin polarization of the quantum spin Hall edge states. <i>Nature Physics</i> , 2012 , 8, 485-490	16.2	213
417	Resonant tunneling through two discrete energy states. <i>Physical Review Letters</i> , 1995 , 74, 4702-4705	7.4	212
416	4π-periodic Josephson supercurrent in HgTe-based topological Josephson junctions. <i>Nature Communications</i> , 2016 , 7, 10303	17.4	211
415	Single valley Dirac fermions in zero-gap HgTe quantum wells. <i>Nature Physics</i> , 2011 , 7, 418-422	16.2	201

414	Thermopower of a Kondo spin-correlated quantum dot. <i>Physical Review Letters</i> , 2005 , 95, 176602	7.4	198
413	Imaging currents in HgTe quantum wells in the quantum spin Hall regime. <i>Nature Materials</i> , 2013 , 12, 787-91	27	195
412	Diffuse transport and spin accumulation in a Rashba two-dimensional electron gas. <i>Physical Review B</i> , 2003 , 67,	3.3	193
411	Coulomb-Blockade Oscillations in the Thermopower of a Quantum Dot. <i>Europhysics Letters</i> , 1993 , 22, 57-62	1.6	175
410	Quantum oscillations in the transverse voltage of a channel in the nonlinear transport regime. <i>Physical Review Letters</i> , 1990 , 65, 1052-1055	7.4	173
409	Quantum dot as thermal rectifier. <i>New Journal of Physics</i> , 2008 , 10, 083016	2.9	167
408	Bias-induced threshold voltages shifts in thin-film organic transistors. <i>Applied Physics Letters</i> , 2004 , 84, 3184-3186	3.4	164
407	Gapless Andreev bound states in the quantum spin Hall insulator HgTe. <i>Nature Nanotechnology</i> , 2017 , 12, 137-143	28.7	163
406	Direct observation of the Aharonov-Casher phase. <i>Physical Review Letters</i> , 2006 , 96, 076804	7.4	162
405	Rashba Hamiltonian and electron transport. <i>Physical Review B</i> , 2001 , 64,	3.3	158
404	Three-terminal energy harvester with coupled quantum dots. <i>Nature Nanotechnology</i> , 2015 , 10, 854-8	28.7	157
403	Hydrodynamic electron flow in high-mobility wires. <i>Physical Review B</i> , 1995 , 51, 13389-13402	3.3	152
402	Temperature dependent magnetic anisotropy in (Ga,Mn)As layers. <i>Physical Review B</i> , 2004 , 70,	3.3	143
401	Peltier coefficient and thermal conductance of a quantum point contact. <i>Physical Review Letters</i> , 1992 , 68, 3765-3768	7.4	141
400	Thermo-electric properties of quantum point contacts. <i>Semiconductor Science and Technology</i> , 1992 , 7, B215-B221	1.8	137
399	Fingerprint of different spin-orbit terms for spin transport in HgTe quantum wells. <i>New Journal of Physics</i> , 2010 , 12, 065012	2.9	133
398	Very large magnetoresistance in lateral ferromagnetic (Ga,Mn)As wires with nanoconstrictions. <i>Physical Review Letters</i> , 2003 , 91, 216602	7.4	133
397	Very large tunneling anisotropic magnetoresistance of a (Ga,Mn)As/GaAs/(Ga,Mn)As stack. <i>Physical Review Letters</i> , 2005 , 94, 027203	7.4	132

396	Electron-beam collimation with a quantum point contact. <i>Physical Review B</i> , 1990 , 41, 1274-1277	3.3	132
395	Character of states near the Fermi level in (Ga,Mn)As: Impurity to valence band crossover. <i>Physical Review B</i> , 2007 , 76,	3.3	130
394	Magnetic polarons in a single diluted magnetic semiconductor quantum dot. <i>Physical Review B</i> , 2000 , 62, R7767-R7770	3.3	129
393	Manifestation of the spin Hall effect through charge-transport in the mesoscopic regime. <i>Physical Review B</i> , 2004 , 70,	3.3	125
392	Evidence for the ballistic intrinsic spin Hall effect in HgTe nanostructures. <i>Nature Physics</i> , 2010 , 6, 448-454	4.2	124
391	A frequency-controlled magnetic vortex memory. <i>Applied Physics Letters</i> , 2010 , 96, 132506	3.4	120
390	Optical dephasing in organic amorphous systems. A photon echo and hole-burning study of pentacene in polymethylmethacrylate. <i>Journal of Chemical Physics</i> , 1985 , 83, 1-9	3.9	106
389	Giant spin-orbit splitting in a HgTe quantum well. <i>Physical Review B</i> , 2004 , 70,	3.3	103
388	Topological superconductivity in a phase-controlled Josephson junction. <i>Nature</i> , 2019 , 569, 93-98	50.4	102
387	Spin injection into semiconductors, physics and experiments. <i>Semiconductor Science and Technology</i> , 2002 , 17, 310-321	1.8	97
386	Bistability of vortex core dynamics in a single perpendicularly magnetized nanodisk. <i>Physical Review Letters</i> , 2009 , 102, 177602	7.4	96
385	High-performance single crystal organic field-effect transistors based on two dithiophene-tetrathiafulvalene (DT-TTF) polymorphs. <i>Advanced Materials</i> , 2010 , 22, 4198-203	24	96
384	Scaling of the Coulomb Energy Due to Quantum Fluctuations in the Charge on a Quantum Dot. <i>Physical Review Letters</i> , 1995 , 75, 4282-4285	7.4	93
383	Observation of the universal magnetoelectric effect in a 3D topological insulator. <i>Nature Communications</i> , 2017 , 8, 15197	17.4	92
382	Vertex corrections to the anomalous Hall effect in spin-polarized two-dimensional electron gases with a Rashba spin-orbit interaction. <i>Physical Review Letters</i> , 2006 , 97, 046604	7.4	86
381	Giant magneto-optical faraday effect in HgTe thin films in the terahertz spectral range. <i>Physical Review Letters</i> , 2011 , 106, 107404	7.4	81
380	In situ electrical characterization of DH4T field-effect transistors. <i>Synthetic Metals</i> , 2004 , 146, 317-320	3.6	81
379	Control of magnetic anisotropy in (Ga,Mn)as by lithography-induced strain relaxation. <i>Physical Review Letters</i> , 2007 , 99, 077201	7.4	76

378	Determination of valence-band effective-mass anisotropy in GaAs quantum wells by optical spectroscopy. <i>Physical Review B</i> , 1988 , 38, 4314-4317	3-3	76
377	Nonsinusoidal current-phase relationship in Josephson junctions from the 3D topological insulator HgTe. <i>Physical Review Letters</i> , 2015 , 114, 066801	7-4	75
376	Large magnetoresistance effect due to spin injection into a nonmagnetic semiconductor. <i>Physical Review Letters</i> , 2001 , 87, 227203	7-4	75
375	Thermopower of a Chaotic Quantum Dot. <i>Physical Review Letters</i> , 1999 , 82, 2927-2930	7-4	75
374	Josephson Radiation from Gapless Andreev Bound States in HgTe-Based Topological Junctions. <i>Physical Review X</i> , 2017 , 7,	9-1	74
373	Heating of the magnetic ion system in (Zn, Mn)Se/(Zn, Be)Se semimagnetic quantum wells by means of photoexcitation. <i>Physical Review B</i> , 2001 , 65,	3-3	74
372	Molecular beam epitaxy of high structural quality Bi ₂ Se ₃ on lattice matched InP(111) substrates. <i>Applied Physics Letters</i> , 2013 , 102, 041914	3-4	73
371	Electron spin manipulation using semimagnetic resonant tunneling diodes. <i>Applied Physics Letters</i> , 2001 , 78, 1101-1103	3-4	73
370	Experimental study of reduced shot noise in a diffusive mesoscopic conductor. <i>Physical Review B</i> , 1994 , 49, 14066-14069	3-3	73
369	Stochastic Coulomb blockade in a double quantum dot. <i>Applied Physics Letters</i> , 1994 , 65, 1012-1014	3-4	73
368	Unexpected edge conduction in mercury telluride quantum wells under broken time-reversal symmetry. <i>Nature Communications</i> , 2015 , 6, 7252	17-4	72
367	Surface state charge dynamics of a high-mobility three-dimensional topological insulator. <i>Physical Review Letters</i> , 2011 , 107, 136803	7-4	69
366	Lattice constant variation and complex formation in zincblende gallium manganese arsenide. <i>Applied Physics Letters</i> , 2001 , 79, 1807-1809	3-4	68
365	Sequential and cotunneling behavior in the temperature-dependent thermopower of few-electron quantum dots. <i>Physical Review B</i> , 2007 , 75,	3-3	67
364	Band structure and its temperature dependence for type-III HgTe/Hg _{1-x} Cd _x Te superlattices and their semimetal constituent. <i>Physical Review B</i> , 2000 , 62, 10353-10363	3-3	67
363	Coincidence of superparamagnetism and perfect quantization in the quantum anomalous Hall state. <i>Physical Review B</i> , 2015 , 92,	3-3	66
362	High-mobility tetrathiafulvalene organic field-effect transistors from solution processing. <i>Organic Electronics</i> , 2008 , 9, 1101-1106	3-5	64
361	Comparative Study of the Microstructure of Bi ₂ Se ₃ Thin Films Grown on Si(111) and InP(111) Substrates. <i>Crystal Growth and Design</i> , 2012 , 12, 1913-1918	3-5	63

360	Electron-electron-scattering-induced size effects in a two-dimensional wire. <i>Physical Review B</i> , 1994 , 49, 5038-5041	3.3	63
359	Spatially Resolved Study of Backscattering in the Quantum Spin Hall State. <i>Physical Review X</i> , 2013 , 3,	9.1	62
358	Josephson Supercurrent through the Topological Surface States of Strained Bulk HgTe. <i>Physical Review X</i> , 2013 , 3,	9.1	60
357	Detection of electrical spin injection by light-emitting diodes in top- and side-emission configurations. <i>Applied Physics Letters</i> , 2003 , 82, 2160-2162	3.4	60
356	Band structure engineering and reconstruction in electric circuit networks. <i>Physical Review B</i> , 2019 , 99,	3.3	58
355	Organic thin-film transistors fabricated by microcontact printing. <i>Applied Physics Letters</i> , 2004 , 84, 1582-1584	3.4	57
354	Spin texture of Bi ₂ Se ₃ thin films in the quantum tunneling limit. <i>Physical Review Letters</i> , 2014 , 112, 057601	7.4	56
353	Magneto-optics of massive dirac fermions in bulk Bi ₂ Se ₃ . <i>Physical Review Letters</i> , 2015 , 114, 186401	7.4	55
352	Molecular-beam epitaxy of the half-Heusler alloy NiMnSb on (In,Ga)As/InP (001). <i>Applied Physics Letters</i> , 2003 , 83, 521-523	3.4	55
351	Optimal control of vortex-core polarity by resonant microwave pulses. <i>Nature Physics</i> , 2011 , 7, 26-31	16.2	54
350	The four polymorphic modifications of the semiconductor dibenzo-tetrathiafulvalene. <i>CrystEngComm</i> , 2008 , 10, 1899	3.3	54
349	Picosecond dynamics of the photoinduced spin polarization in epitaxial (Ga,Mn)As films. <i>Physical Review Letters</i> , 2004 , 92, 237203	7.4	54
348	Room-temperature spin-orbit torque in NiMnSb. <i>Nature Physics</i> , 2016 , 12, 855-860	16.2	54
347	Exciton binding energy in (Al,Ga)As quantum wells: Effects of crystal orientation and envelope-function symmetry. <i>Physical Review B</i> , 1988 , 38, 6147-6150	3.3	53
346	Lithographic engineering of anisotropies in (Ga,Mn)As. <i>Applied Physics Letters</i> , 2007 , 90, 102102	3.4	52
345	Induced superconductivity in the three-dimensional topological insulator HgTe. <i>Physical Review Letters</i> , 2012 , 109, 186806	7.4	51
344	Tunneling anisotropic magnetoresistance in organic spin valves. <i>Physical Review B</i> , 2011 , 84,	3.3	51
343	Spin filtering and magnetoresistance in ballistic tunnel junctions. <i>Physical Review B</i> , 2001 , 64,	3.3	51

342	Periodic envelope of Coulomb-blockade oscillations in the quantum Hall regime. <i>Physical Review B</i> , 1992 , 46, 12869-12872	3-3	51
341	Remanent zero field spin splitting of self-assembled quantum dots in a paramagnetic host. <i>Physical Review Letters</i> , 2006 , 97, 017202	7-4	50
340	Polymer bonding process for nanolithography. <i>Applied Physics Letters</i> , 2001 , 79, 2246-2248	3-4	50
339	Suppressing Twin Formation in Bi ₂ Se ₃ Thin Films. <i>Advanced Materials Interfaces</i> , 2014 , 1, 1400134	4-6	48
338	Fine structure of zero-mode Landau levels in HgTe/Hg _x Cd _{1-x} Te quantum wells. <i>Physical Review B</i> , 2011 , 83,	3-3	48
337	Observation of giant magnetic linear dichroism in (Ga, Mn) As. <i>Physical Review Letters</i> , 2005 , 94, 227203	7-4	48
336	Controlled finite momentum pairing and spatially varying order parameter in proximitized HgTe quantum wells. <i>Nature Physics</i> , 2017 , 13, 87-93	16.2	47
335	A non-volatile-memory device on the basis of engineered anisotropies in (Ga,Mn)As. <i>Nature Physics</i> , 2007 , 3, 573-578	16.2	46
334	Vertical organic spin valves in perpendicular magnetic fields. <i>Physical Review B</i> , 2013 , 88,	3-3	45
333	Transport characterization of the magnetic anisotropy of (Ga,Mn)As. <i>Applied Physics Letters</i> , 2007 , 90, 062109	3-4	44
332	Scaling of the Quantum Anomalous Hall Effect as an Indicator of Axion Electrodynamics. <i>Physical Review Letters</i> , 2017 , 118, 246801	7-4	43
331	Valence band structure of HgTe/Hg _{1-x} Cd _x Te single quantum wells. <i>Physical Review B</i> , 2002 , 66,	3-3	43
330	Schottky contacts on a highly doped organic semiconductor. <i>Physical Review B</i> , 1995 , 51, 17251-17254	3-3	42
329	Anisotropic and strong negative magnetoresistance in the three-dimensional topological insulator Bi ₂ Se ₃ . <i>Physical Review B</i> , 2016 , 94,	3-3	42
328	Magnetization manipulation in (Ga,Mn)As by subpicosecond optical excitation. <i>Applied Physics Letters</i> , 2005 , 86, 152506	3-4	41
327	Magnetic Anisotropies and (Ga,Mn)As-based Spintronic Devices. <i>Advanced Materials</i> , 2007 , 19, 323-340	24	40
326	Gate control of the giant Rashba effect in HgTe quantum wells. <i>Semiconductor Science and Technology</i> , 2006 , 21, 501-506	1.8	40
325	Josephson junction dynamics in the presence of 2D and 4D periodic supercurrents. <i>Physical Review B</i> , 2017 , 95,	3-3	38

324	Tunable damping, saturation magnetization, and exchange stiffness of half-Heusler NiMnSb thin films. <i>Physical Review B</i> , 2015 , 92,	3-3	38
323	Stress dependence of ferromagnetic resonance and magnetic anisotropy in a thin NiMnSb film on InP(001). <i>Applied Physics Letters</i> , 2006 , 89, 242505	3-4	38
322	Temperature Peculiarities of Magnetic Anisotropy in (Ga,Mn)As: The Role of the Hole Concentration. <i>Journal of Superconductivity and Novel Magnetism</i> , 2003 , 16, 7-10		38
321	Strain Engineering of the Band Gap of HgTe Quantum Wells Using Superlattice Virtual Substrates. <i>Physical Review Letters</i> , 2016 , 117, 086403	7-4	37
320	Optimized sub-micron organic thin-film transistors: the influence of contacts and oxide thickness. <i>Synthetic Metals</i> , 2004 , 146, 341-345	3-6	37
319	Absence of evidence for chiral Majorana modes in quantum anomalous Hall-superconductor devices. <i>Science</i> , 2020 , 367, 64-67	33-3	37
318	Suppression of electron spin relaxation in Mn-doped GaAs. <i>Physical Review Letters</i> , 2008 , 101, 076602	7-4	36
317	Interplay of Rashba, Zeeman and Landau splitting in a magnetic two-dimensional electron gas. <i>Europhysics Letters</i> , 2004 , 65, 393-399	1-6	36
316	Spin injection into a single self-assembled quantum dot. <i>Physical Review B</i> , 2004 , 69,	3-3	36
315	Precision measurement of the quantized anomalous Hall resistance at zero magnetic field. <i>Applied Physics Letters</i> , 2018 , 112, 072102	3-4	35
314	Diffusion thermopower of a serial double quantum dot. <i>New Journal of Physics</i> , 2013 , 15, 123010	2-9	35
313	Direct energy transfer from photocarriers to Mn-ion system in II-VI diluted-magnetic-semiconductor quantum wells. <i>Physical Review B</i> , 2006 , 73,	3-3	35
312	Spin-lattice relaxation of Mn ions in ZnMnSe/ZnBeSe quantum wells measured under pulsed photoexcitation. <i>Physical Review B</i> , 2006 , 73,	3-3	35
311	Detailed transport investigation of the magnetic anisotropy of (Ga,Mn)As. <i>New Journal of Physics</i> , 2007 , 9, 354-354	2-9	35
310	Circular-to-linear and linear-to-circular conversion of optical polarization by semiconductor quantum dots. <i>Physical Review Letters</i> , 2006 , 96, 027402	7-4	35
309	Optical dephasing by uncorrelated phonon scattering to librations. An optical and picosecond photon echo study of a photosite of pentacene in benzoic acid. <i>Journal of Chemical Physics</i> , 1984 , 80, 3054-3063	3-9	35
308	All-thermal transistor based on stochastic switching. <i>Physical Review B</i> , 2017 , 95,	3-3	34
307	Backscattering of Dirac fermions in HgTe quantum wells with a finite gap. <i>Physical Review Letters</i> , 2011 , 106, 076802	7-4	34

306	Charging Energy of a Chaotic Quantum Dot. <i>Physical Review Letters</i> , 1998 , 81, 5197-5200	7.4	34
305	Very low interface recombination velocity in (Al,Ga)As heterostructures grown by organometallic vapor-phase epitaxy. <i>Journal of Applied Physics</i> , 1988 , 64, 4253-4256	2.5	33
304	Single-electron thermal devices coupled to a mesoscopic gate. <i>New Journal of Physics</i> , 2017 , 19, 113040	2.9	32
303	Magnetization-switched metal-insulator transition in a (Ga,Mn)As tunnel device. <i>Physical Review Letters</i> , 2006 , 97, 186402	7.4	32
302	Applications of II-VI diluted magnetic semiconductors for magneto-electronics. <i>Solid State Communications</i> , 2001 , 119, 237-244	1.6	31
301	Optical dephasing in a glass-like system: a photon echo study of pentacene in benzoic acid. <i>Chemical Physics Letters</i> , 1981 , 84, 421-424	2.5	31
300	Interacting topological edge channels. <i>Nature Physics</i> , 2020 , 16, 83-88	16.2	31
299	Impurity states in the magnetic topological insulator V:(Bi,Sb) ₂ Te ₃ . <i>Physical Review B</i> , 2016 , 94,	3.3	30
298	Terahertz quantum Hall effect of Dirac fermions in a topological insulator. <i>Physical Review B</i> , 2013 , 87,	3.3	29
297	Quantum tunneling through planar p-n junctions in HgTe quantum wells. <i>New Journal of Physics</i> , 2010 , 12, 083058	2.9	29
296	Optical spin pumping of modulation-doped electrons probed by a two-color Kerr rotation technique. <i>Physical Review B</i> , 2006 , 74,	3.3	29
295	Spin injection across magnetic/nonmagnetic interfaces with finite magnetic layers. <i>Physical Review B</i> , 2005 , 71,	3.3	29
294	Epitaxy and magnetotransport properties of the diluted magnetic semiconductor p-Be(1-x)MnxTe. <i>Applied Physics Letters</i> , 2001 , 79, 3125-3127	3.4	29
293	Sawtooth-like thermopower oscillations of a quantum dot in the Coulomb blockade regime. <i>Semiconductor Science and Technology</i> , 1994 , 9, 903-906	1.8	29
292	Electron-electron scattering probed by a collimated electron beam. <i>Semiconductor Science and Technology</i> , 1992 , 7, B228-B230	1.8	29
291	Observation of Volkov-Pankratov states in topological HgTe heterojunctions using high-frequency compressibility. <i>Physical Review B</i> , 2017 , 96,	3.3	28
290	Room temperature electrically tunable terahertz Faraday effect. <i>Applied Physics Letters</i> , 2013 , 102, 241902	3.4	28
289	Terahertz magneto-optical spectroscopy in HgTe thin films. <i>Semiconductor Science and Technology</i> , 2012 , 27, 124004	1.8	28

288	Time-resolved and continuous-wave optical spin pumping of semiconductor quantum wells. <i>Semiconductor Science and Technology</i> , 2008 , 23, 114001	1.8	28
287	Effects of electron-electron scattering on electron-beam propagation in a two-dimensional electron gas. <i>Physical Review B</i> , 2000 , 62, 2057-2064	3.3	28
286	Observation of Knudsen and Gurzhi transport regimes in a two-dimensional wire. <i>Solid-State Electronics</i> , 1994 , 37, 551-553	1.7	28
285	Simple high resolution nanoimprint-lithography. <i>Microelectronic Engineering</i> , 2007 , 84, 937-939	2.5	27
284	Development of a parallel local oxidation nanolithography instrument. <i>Review of Scientific Instruments</i> , 2006 , 77, 086106	1.7	27
283	Dilute magnetic semiconductors in spin-polarized electronics (invited). <i>Journal of Applied Physics</i> , 2001 , 89, 7443-7447	2.5	27
282	Thermoelectrics with Coulomb-coupled quantum dots. <i>Comptes Rendus Physique</i> , 2016 , 17, 1109-1122	1.4	27
281	Transport spectroscopy of induced superconductivity in the three-dimensional topological insulator HgTe. <i>Physical Review B</i> , 2017 , 96,	3.3	26
280	An extensive comparison of anisotropies in MBE grown (Ga,Mn)As material. <i>New Journal of Physics</i> , 2008 , 10, 055007	2.9	26
279	Influence of growth conditions on the lattice constant and composition of (Ga,Mn)As. <i>Applied Physics Letters</i> , 2003 , 82, 4678-4680	3.4	26
278	Temperature-driven transition from a semiconductor to a topological insulator. <i>Physical Review B</i> , 2015 , 91,	3.3	25
277	Hidden in-plane anisotropy of interfaces in Zn(Mn)Se /BeTe quantum wells with a type-II band alignment. <i>Physical Review Letters</i> , 2002 , 88, 257401	7.4	25
276	Dirac-Screening Stabilized Surface-State Transport in a Topological Insulator. <i>Physical Review X</i> , 2014 , 4,	9.1	24
275	Fabrication of sub-10-nm AuPd structures using 30 keV electron beam lithography and lift-off. <i>Microelectronic Engineering</i> , 2003 , 65, 327-333	2.5	24
274	Quasiballistic transport in HgTe quantum-well nanostructures. <i>Applied Physics Letters</i> , 2003 , 83, 1376-1378	3.4	24
273	Circular photogalvanic effect in HgTe/CdHgTe quantum well structures. <i>Semiconductor Science and Technology</i> , 2010 , 25, 095005	1.8	23
272	Electrical spin injection into semiconductors. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2001 , 9, 202-208	3	23
271	Thermal gating of charge currents with Coulomb coupled quantum dots. <i>New Journal of Physics</i> , 2015 , 17, 113003	2.9	22

270	Random telegraph signals and 1/f noise in a silicon quantum dot. <i>Journal of Applied Physics</i> , 1999 , 86, 1523-1526	2.5	22
269	Interstate dynamics in xanthione: A picosecond photon-echo and optical study. <i>Chemical Physics Letters</i> , 1983 , 99, 382-387	2.5	22
268	Reentrant topological phases in Mn-doped HgTe quantum wells. <i>Physical Review B</i> , 2012 , 85,	3.3	21
267	Fully electrical read-write device out of a ferromagnetic semiconductor. <i>Physical Review Letters</i> , 2011 , 106, 057204	7.4	21
266	Aharonov-Casher effect in a two-dimensional hole ring with spin-orbit interaction. <i>Physical Review B</i> , 2007 , 76,	3.3	21
265	Low-field diffusion magnetothermopower of a high-mobility two-dimensional electron gas. <i>Physical Review B</i> , 2004 , 70,	3.3	21
264	Molecular-beam epitaxy of (Cd,Mn)Se on InAs, a promising material system for spintronics. <i>Applied Physics Letters</i> , 2002 , 80, 3766-3768	3.4	21
263	Thermopower of the molecular state in a double quantum dot. <i>Physical Review B</i> , 2000 , 61, 16801-16806	3.3	21
262	Resonant tunneling diode with spin polarized injector. <i>Applied Physics Letters</i> , 2007 , 90, 122109	3.4	20
261	Acceleration of the spin-lattice relaxation in diluted magnetic quantum wells in the presence of a two-dimensional electron gas. <i>Physical Review B</i> , 2001 , 64,	3.3	20
260	How to measure the entropy of a mesoscopic system via thermoelectric transport. <i>Nature Communications</i> , 2019 , 10, 5801	17.4	20
259	Spin injection in the nonlinear regime: band bending effects. <i>Physical Review Letters</i> , 2004 , 92, 226602	7.4	19
258	Spin injection into semiconductors using dilute magnetic semiconductors. <i>Applied Surface Science</i> , 2002 , 190, 395-402	6.7	19
257	Resonance Kondo tunneling through a double quantum dot at finite bias. <i>Physical Review B</i> , 2003 , 68,	3.3	19
256	Magnetoconductance of two point contacts in series. <i>Physical Review B</i> , 1990 , 41, 8461-8464	3.3	19
255	High Mobility HgTe Microstructures for Quantum Spin Hall Studies. <i>Nano Letters</i> , 2018 , 18, 4831-4836	11.5	19
254	Sign reversal and light controlled tuning of circular polarization in semimagnetic CdMnSe quantum dots. <i>Journal of Applied Physics</i> , 2006 , 100, 123109	2.5	18
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