

Nitin Samarth

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286
papers

14,548
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59
h-index

113
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314
ext. papers

16,169
ext. citations

7.1
avg, IF

6.31
L-index

#	Paper	IF	Citations
286	Spin-transfer torque generated by a topological insulator. <i>Nature</i> , 2014 , 511, 449-51	50.4	851
285	Artificial 'spin ice' in a geometrically frustrated lattice of nanoscale ferromagnetic islands. <i>Nature</i> , 2006 , 439, 303-6	50.4	600
284	Ferromagnetic semiconductors: moving beyond (Ga,Mn)As. <i>Nature Materials</i> , 2005 , 4, 195-202	27	590
283	Interface-Induced Phenomena in Magnetism. <i>Reviews of Modern Physics</i> , 2017 , 89,	40.5	475
282	Room-Temperature Spin Memory in Two-Dimensional Electron Gases. <i>Science</i> , 1997 , 277, 1284-1287	33.3	463
281	Hedgehog spin texture and Berry phase tuning in a magnetic topological insulator. <i>Nature Physics</i> , 2012 , 8, 616-622	16.2	308
280	Effects of annealing time on defect-controlled ferromagnetism in Ga _{1-x} Mn _x As. <i>Applied Physics Letters</i> , 2001 , 79, 1495-1497	3.4	297
279	Optical spin resonance and transverse spin relaxation in magnetic semiconductor quantum wells. <i>Physical Review B</i> , 1997 , 56, 7574-7588	3.3	287
278	Highly enhanced Curie temperature in low-temperature annealed [Ga,Mn]As epilayers. <i>Applied Physics Letters</i> , 2003 , 82, 2302-2304	3.4	281
277	Room-Temperature Spin-Orbit Torque Switching Induced by a Topological Insulator. <i>Physical Review Letters</i> , 2017 , 119, 077702	7.4	247
276	Ultrafast manipulation of electron spin coherence. <i>Science</i> , 2001 , 292, 2458-61	33.3	222
275	Evidence for electron-electron interaction in topological insulator thin films. <i>Physical Review B</i> , 2011 , 83,	3.3	211
274	Excitonic gain and laser emission in ZnSe-based quantum wells. <i>Physical Review Letters</i> , 1992 , 69, 1707-1710	10	207
273	Giant Spin Pumping and Inverse Spin Hall Effect in the Presence of Surface and Bulk Spin-Orbit Coupling of Topological Insulator Bi ₂ Se ₃ . <i>Nano Letters</i> , 2015 , 15, 7126-32	11.5	200
272	Persistent sourcing of coherent spins for multifunctional semiconductor spintronics. <i>Nature</i> , 2001 , 411, 770-2	50.4	188
271	Current-induced polarization and the spin Hall effect at room temperature. <i>Physical Review Letters</i> , 2006 , 97, 126603	7.4	184
270	Growth of cubic (zinc blende) CdSe by molecular beam epitaxy. <i>Applied Physics Letters</i> , 1989 , 54, 2680-2682	3.4	180

269	Quasi-two-dimensional excitons in (Zn,Cd)Se/ZnSe quantum wells: Reduced exciton-LO-phonon coupling due to confinement effects. <i>Physical Review B</i> , 1992 , 45, 6037-6042	3.3	173
268	Terahertz Spin Precession and Coherent Transfer of Angular Momenta in Magnetic Quantum Wells. <i>Physical Review Letters</i> , 1996 , 77, 2814-2817	7.4	171
267	Interplay between superconductivity and ferromagnetism in crystalline nanowires. <i>Nature Physics</i> , 2010 , 6, 389-394	16.2	167
266	Near-field optical spectroscopy of localized excitons in strained CdSe quantum dots. <i>Physical Review B</i> , 1996 , 54, R17312-R17315	3.3	161
265	Realization of the Axion Insulator State in Quantum Anomalous Hall Sandwich Heterostructures. <i>Physical Review Letters</i> , 2018 , 120, 056801	7.4	159
264	Impurity band conduction in a high temperature ferromagnetic semiconductor. <i>Physical Review Letters</i> , 2006 , 97, 087208	7.4	154
263	Optical properties of zinc-blende CdSe and $Zn_xCd_{1-x}Se$ films grown on GaAs. <i>Physical Review B</i> , 1994 , 49, 7262-7270	3.3	150
262	Molecular beam epitaxy of $Zn_{1-x}Cd_xSe$ epilayers and $ZnSe/Zn_{1-x}Cd_xSe$ superlattices. <i>Applied Physics Letters</i> , 1990 , 56, 1163-1165	3.4	148
261	Saturated ferromagnetism and magnetization deficit in optimally annealed $Ga_{1-x}Mn_xAs$ epilayers. <i>Physical Review B</i> , 2002 , 66,	3.3	132
260	Long-Range Spin Currents with Chiral Crystals. <i>Physics Magazine</i> , 2009 , 2,	1.1	130
259	Surface-State-Dominated Spin-Charge Current Conversion in Topological-Insulator-Ferromagnetic-Insulator Heterostructures. <i>Physical Review Letters</i> , 2016 , 117, 076601	7.4	130
258	Tetradymites as thermoelectrics and topological insulators. <i>Nature Reviews Materials</i> , 2017 , 2,	73.3	128
257	Spin superlattice formation in $ZnSe/Zn_{1-x}Mn_xSe$ multilayers. <i>Physical Review Letters</i> , 1991 , 67, 3824-3827	7.4	125
256	Magnetic properties of diluted magnetic semiconductors: A review (invited). <i>Journal of Applied Physics</i> , 1987 , 61, 3526-3531	2.5	125
255	Coherent heteroepitaxy of Bi_2Se_3 on GaAs (111)B. <i>Applied Physics Letters</i> , 2010 , 97, 262104	3.4	116
254	Interplay between ferromagnetism, surface states, and quantum corrections in a magnetically doped topological insulator. <i>Physical Review B</i> , 2012 , 86,	3.3	115
253	Superconducting proximity effect and possible evidence for Pearl vortices in a candidate topological insulator. <i>Physical Review B</i> , 2011 , 84,	3.3	115
252	Spin scattering and noncollinear spin structure-induced intrinsic anomalous Hall effect in antiferromagnetic topological insulator $MnBi_2Te_4$. <i>Physical Review Research</i> , 2019 , 1,	3.9	114

251	Momentum-space imaging of Cooper pairing in a half-Dirac-gas topological superconductor. <i>Nature Physics</i> , 2014 , 10, 943-950	16.2	113
250	Direct measurement of the spin polarization of the magnetic semiconductor (Ga,Mn)As. <i>Physical Review Letters</i> , 2003 , 91, 056602	7.4	113
249	Room-temperature blue lasing action in (Zn,Cd)Se/ZnSe optically pumped multiple quantum well structures on lattice-matched (Ga,In)As substrates. <i>Applied Physics Letters</i> , 1990 , 57, 2413-2415	3.4	113
248	Spin beats and dynamical magnetization in quantum structures. <i>Physical Review Letters</i> , 1994 , 72, 717-720	7.4	111
247	Enhanced spin interactions in digital magnetic heterostructures. <i>Physical Review Letters</i> , 1995 , 75, 505-508	7.4	110
246	Coherent transfer of spin through a semiconductor heterointerface. <i>Physical Review Letters</i> , 2000 , 84, 1015-8	7.4	107
245	Raman spectroscopy of two novel semiconductors and related superlattices: Cubic Cd _{1-x} MnxSe and Cd _{1-x} ZnxSe. <i>Physical Review B</i> , 1989 , 40, 3720-3728	3.3	104
244	Spin Transport and Localization in a Magnetic Two-Dimensional Electron Gas. <i>Physical Review Letters</i> , 1997 , 78, 3571-3574	7.4	102
243	Ultrafast Faraday spectroscopy in magnetic semiconductor quantum structures. <i>Physical Review B</i> , 1994 , 50, 7689-7700	3.3	101
242	Room-temperature exciton absorption in (Zn,Cd)Se/ZnSe quantum wells at blue-green wavelengths. <i>Applied Physics Letters</i> , 1990 , 57, 2885-2887	3.4	101
241	Giant anisotropic magnetoresistance in a quantum anomalous Hall insulator. <i>Nature Communications</i> , 2015 , 6, 7434	17.4	99
240	Observation of quantum-tunnelling-modulated spin texture in ultrathin topological insulator Bi ₂ Se ₃ films. <i>Nature Communications</i> , 2014 , 5, 3841	17.4	99
239	Visualization of superparamagnetic dynamics in magnetic topological insulators. <i>Science Advances</i> , 2015 , 1, e1500740	14.3	95
238	Spin-polarized tunneling study of spin-momentum locking in topological insulators. <i>Physical Review B</i> , 2015 , 91,	3.3	92
237	Neutron-diffraction studies of zinc-blende MnTe epitaxial films and MnTe/ZnTe superlattices: The effect of strain and dilution on a strongly frustrated fcc antiferromagnet. <i>Physical Review B</i> , 1993 , 48, 12817-12833	3.3	89
236	Spatiotemporal near-field spin microscopy in patterned magnetic heterostructures. <i>Physical Review Letters</i> , 1996 , 76, 1948-1951	7.4	82
235	Spin dynamics and quantum transport in magnetic semiconductor quantum structures. <i>Journal of Magnetism and Magnetic Materials</i> , 1999 , 200, 130-147	2.8	80
234	Growth and characterization of hybrid insulating ferromagnet-topological insulator heterostructure devices. <i>Applied Physics Letters</i> , 2013 , 103, 202409	3.4	78

233	Observation of polaron dynamics in magnetic quantum wells. <i>Physical Review Letters</i> , 1991 , 66, 1212-1215	7.4	78
232	Spin-polarized tunneling in hybrid metal-semiconductor magnetic tunnel junctions. <i>Physical Review B</i> , 2002 , 66,	3.3	76
231	Mapping the chemical potential dependence of current-induced spin polarization in a topological insulator. <i>Physical Review B</i> , 2015 , 92,	3.3	66
230	Time-resolved Faraday rotation spectroscopy of spin dynamics in digital magnetic heterostructures. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 1995 , 1, 1082-1092	3.8	62
229	Electron paramagnetic resonance in Cd _{1-x} MnxS, Cd _{1-x} MnxSe, and Cd _{1-x} MnxTe. <i>Physical Review B</i> , 1988 , 37, 9227-9239	3.3	62
228	Anomalous anisotropic magnetoresistance in topological insulator films. <i>Nano Research</i> , 2012 , 5, 739-746	6.0	59
227	Spectroscopic determination of hole density in the ferromagnetic semiconductor Ga _{1-x} MnxAs. <i>Physical Review B</i> , 2002 , 66,	3.3	56
226	Unidirectional spin-Hall and Rashba-Edelstein magnetoresistance in topological insulator-ferromagnet layer heterostructures. <i>Nature Communications</i> , 2018 , 9, 111	17.4	55
225	Onset of Ferromagnetism in Low-Doped Ga _{1-x} MnxAs. <i>Physical Review Letters</i> , 2007 , 99, 227205	7.4	53
224	Enhancement of spin coherence using Q-factor engineering in semiconductor microdisc lasers. <i>Nature Materials</i> , 2006 , 5, 261-4	27	53
223	Low threshold pulsed and continuous-wave laser action in optically pumped (Zn,Cd)Se/ZnSe multiple quantum well lasers in the blue-green. <i>Applied Physics Letters</i> , 1991 , 59, 1293-1295	3.4	53
222	Molecular self-assembly at bare semiconductor surfaces: cooperative substrate-molecule effects in octadecanethiolate monolayer assemblies on GaAs(111), (110), and (100). <i>ACS Nano</i> , 2010 , 4, 3447-65	16.7	51
221	Molecular beam epitaxy of a low strain II-VI heterostructure: ZnTe/CdSe. <i>Applied Physics Letters</i> , 1991 , 58, 1783-1785	3.4	51
220	Quantum anomalous Hall effect in magnetically doped InAs/GaSb quantum wells. <i>Physical Review Letters</i> , 2014 , 113, 147201	7.4	50
219	Magnetization measurements of magnetic two-dimensional electron gases. <i>Physical Review Letters</i> , 2001 , 86, 4644-7	7.4	50
218	Observation of localized above-barrier excitons in type-I superlattices. <i>Physical Review Letters</i> , 1992 , 68, 3220-3223	7.4	49
217	Point contact spin spectroscopy of ferromagnetic MnAs epitaxial films. <i>Physical Review B</i> , 2003 , 68,	3.3	48
216	Exchange biasing of the ferromagnetic semiconductor Ga _{1-x} MnxAs. <i>Applied Physics Letters</i> , 2004 , 85, 1556-1558	3.4	48

215	Antiferromagnetism in ZnSe/MnSe strained-layer superlattices. <i>Physical Review B</i> , 1991 , 44, 4701-4704	3-3	48
214	Perpendicular magnetization and generic realization of the Ising model in artificial spin ice. <i>Physical Review Letters</i> , 2012 , 109, 087201	7-4	47
213	Observation of quasibound states in semiconductor single quantum barriers. <i>Physical Review Letters</i> , 1993 , 70, 1307-1310	7-4	45
212	Magneto-optical Kerr effect studies of square artificial spin ice. <i>Physical Review B</i> , 2011 , 84,	3-3	44
211	Capping-induced suppression of annealing effects on Ga _{1-x} MnxAs epilayers. <i>Applied Physics Letters</i> , 2003 , 83, 4568-4570	3-4	44
210	Large discrete jumps observed in the transition between Chern states in a ferromagnetic topological insulator. <i>Science Advances</i> , 2016 , 2, e1600167	14-3	43
209	Andreev reflection and pair-breaking effects at the superconductor/magnetic semiconductor interface. <i>Physical Review B</i> , 2005 , 72,	3-3	43
208	Laser action in the blue-green from optically pumped (Zn,Cd)Se/ZnSe single quantum well structures. <i>Applied Physics Letters</i> , 1990 , 57, 2756-2758	3-4	43
207	Quantum materials discovery from a synthesis perspective. <i>Nature Materials</i> , 2017 , 16, 1068-1076	27	42
206	Zero-dimensional excitonic confinement in locally strained Zn _{1-x} CdxSe quantum wells. <i>Applied Physics Letters</i> , 1997 , 71, 1213-1215	3-4	42
205	Interplay between topological insulators and superconductors. <i>Physical Review B</i> , 2012 , 85,	3-3	41
204	Giant magnetoresistance and quantum phase transitions in strongly localized magnetic two-dimensional electron gases. <i>Physical Review B</i> , 1998 , 58, R4238-R4241	3-3	41
203	Helicity dependent photocurrent in electrically gated (Bi Sb)Te thin films. <i>Nature Communications</i> , 2017 , 8, 1037	17-4	40
202	Characterizing the structure of topological insulator thin films. <i>APL Materials</i> , 2015 , 3, 083303	5-7	40
201	Ferromagnetism and spin-dependent transport in n-type Mn-doped bismuth telluride thin films. <i>Physical Review B</i> , 2014 , 89,	3-3	40
200	Antisite effect on hole-mediated ferromagnetism in (Ga,Mn)As. <i>Physical Review B</i> , 2006 , 74,	3-3	40
199	Magnetic semiconductor quantum wells in high fields to 60 Tesla: Photoluminescence linewidth annealing at magnetization steps. <i>Physical Review B</i> , 1999 , 60, R2173-R2176	3-3	39
198	Femtosecond scattering dynamics in magnetic semiconductor spin superlattices. <i>Physical Review Letters</i> , 1993 , 71, 601-604	7-4	39

197	Observation of type-I excitons and related confinement effects in type-II superlattices. <i>Physical Review B</i> , 1993 , 47, 3806-3810	3-3	39
196	Antiferromagnetism in epilayers and superlattices containing zinc-blende MnSe and MnTe. <i>Journal of Applied Physics</i> , 1991 , 70, 6221-6223	2-5	38
195	Absence of evidence for chiral Majorana modes in quantum anomalous Hall-superconductor devices. <i>Science</i> , 2020 , 367, 64-67	33-3	37
194	Magnetoresistance anomalies in (Ga,Mn)As epilayers with perpendicular magnetic anisotropy. <i>Physical Review B</i> , 2005 , 71,	3-3	36
193	Band offsets and exciton confinement in Zn _{1-x} Cd _x Se/Zn _{1-x} Mn _x Se quantum wells. <i>Applied Physics Letters</i> , 1990 , 57, 466-468	3-4	35
192	Concurrence of quantum anomalous Hall and topological Hall effects in magnetic topological insulator sandwich heterostructures. <i>Nature Materials</i> , 2020 , 19, 732-737	27	35
191	. <i>Proceedings of the IEEE</i> , 1990 , 78, 990-1003	14-3	34
190	Nontrivial superconductivity in topological MoTe ₂ crystals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 9503-9508	11-5	34
189	Magnetization switching using topological surface states. <i>Science Advances</i> , 2019 , 5, eaaw3415	14-3	33
188	Coercive field and magnetization deficit in Ga _{1-x} Mn _x As epilayers. <i>Journal of Applied Physics</i> , 2003 , 93, 6784-6786	2-5	32
187	Femtosecond near-field spin microscopy in digital magnetic heterostructures (invited). <i>Journal of Applied Physics</i> , 1996 , 79, 6095	2-5	32
186	Static magnetic susceptibility of Zn _{1-x} Mn _x Se. <i>Physical Review B</i> , 1988 , 37, 3707-3709	3-3	32
185	Two-carrier transport in epitaxially grown MnAs. <i>Physical Review B</i> , 2001 , 64,	3-3	31
184	Deep hole traps in p-type nitrogen-doped ZnSe grown by molecular beam epitaxy. <i>Applied Physics Letters</i> , 1993 , 63, 358-360	3-4	31
183	Strain-engineered incommensurability in epitaxial Heisenberg antiferromagnets. <i>Physical Review B</i> , 1992 , 46, 12076-12079	3-3	31
182	Fermi-level electronic structure of a topological-insulator/cuprate-superconductor based heterostructure in the superconducting proximity effect regime. <i>Physical Review B</i> , 2014 , 90,	3-3	29
181	Tunable anomalous Hall effect in a nonferromagnetic system. <i>Physical Review Letters</i> , 2006 , 96, 196404	7-4	28
180	Unusual elastic constants of cubic MnTe in strained-layer superlattices measured by x-ray diffraction. <i>Physical Review B</i> , 1994 , 49, 4619-4622	3-3	28

179	Excitonic gain and stimulated emission in ZnSe-based quantum wells up to room temperature. <i>Surface Science</i> , 1992 , 267, 616-622	1.8	28
178	Materials challenges and opportunities for quantum computing hardware. <i>Science</i> , 2021 , 372,	33.3	28
177	Femtosecond Faraday rotation in spin-engineered heterostructures (invited). <i>Journal of Applied Physics</i> , 1994 , 75, 6199-6204	2.5	27
176	Tuning the Chern number in quantum anomalous Hall insulators. <i>Nature</i> , 2020 , 588, 419-423	50.4	26
175	Ferromagnetism in Bi ₂ Se ₃ :Mn epitaxial layers. <i>Physical Review B</i> , 2013 , 88,	3.3	26
174	Spin valve effect in self-exchange biased ferromagnetic metal/semiconductor bilayers. <i>Applied Physics Letters</i> , 2007 , 91, 192503	3.4	26
173	Hybrid ferromagnetic/semiconductor heterostructures for spintronics. <i>Solid State Communications</i> , 2003 , 127, 173-179	1.6	26
172	Persistent optical gating of a topological insulator. <i>Science Advances</i> , 2015 , 1, e1500640	14.3	25
171	Nanoengineered Curie temperature in laterally patterned ferromagnetic semiconductor heterostructures. <i>Applied Physics Letters</i> , 2005 , 86, 152505	3.4	25
170	Exciton spin polarization in magnetic semiconductor quantum wires. <i>Applied Physics Letters</i> , 2000 , 76, 1167-1169	3.4	25
169	Intrinsic exchange biasing in MnAs epilayers grown on (001) GaAs. <i>Applied Physics Letters</i> , 2001 , 78, 2530-2532	3.4	25
168	An optical method for evaluation of the net acceptor concentration in p-type ZnSe. <i>Journal of Applied Physics</i> , 1993 , 74, 4153-4157	2.5	25
167	A proposed interpretation of EPR linewidth in diluted magnetic semiconductors. <i>Solid State Communications</i> , 1988 , 65, 801-804	1.6	25
166	Understanding magnetotransport signatures in networks of connected permalloy nanowires. <i>Physical Review B</i> , 2017 , 95,	3.3	24
165	Spin tuning in magnetically coupled double quantum wells. <i>Physical Review B</i> , 1992 , 46, 4340-4343	3.3	24
164	Ultraviolet and blue holographic lithography of ZnSe epilayers and heterostructures with feature size to 100 nm and below. <i>Applied Physics Letters</i> , 1990 , 57, 2641-2643	3.4	24
163	Molecular beam epitaxy of cubic Zn _{1-x} Cd _x Se and Cd _{1-x} Mn _x Se and related superlattices. <i>Surface Science</i> , 1990 , 228, 226-229	1.8	24
162	Stability of trions in strongly spin-polarized two-dimensional electron gases. <i>Physical Review B</i> , 2000 , 61, R16307-R16310	3.3	23

161	Fabrication of n-doped magnetic semiconductor heterostructures. <i>Applied Physics Letters</i> , 1996 , 69, 1640-1642	2.3	23
160	Infrared probe of the insulator-to-metal transition in Ga _{1-x} MnxAs and Ga _{1-x} BexAs. <i>Physical Review B</i> , 2011 , 84,	3.3	22
159	Optical Manipulation, Transport and Storage of Spin Coherence in Semiconductors. <i>Nanoscience and Technology</i> , 2002 , 147-193	0.6	22
158	Quasi-two-dimensional spin distributions in II-VI magnetic semiconductor heterostructures: Clustering and dimensionality. <i>Physical Review B</i> , 2000 , 61, 1736-1739	3.3	22
157	Static and dynamic spectroscopy of (Al,Ga)As/GaAs microdisk lasers with interface fluctuation quantum dots. <i>Physical Review B</i> , 2005 , 71,	3.3	21
156	Femtosecond spin spectroscopy in magnetically tunable heterostructures. <i>Physical Review B</i> , 1994 , 50, 10851-10855	3.3	21
155	Antiferromagnetic ordering in MnSe/ZnSe multilayers. <i>Journal of Applied Physics</i> , 1991 , 69, 6109-6111	2.5	21
154	Molecular beam epitaxy of CdSe and the derivative alloys Zn _{1-x} Cd _x Se and Cd _{1-x} M _x Se. <i>Journal of Electronic Materials</i> , 1990 , 19, 543-547	1.9	21
153	Fermi level dependent spin pumping from a magnetic insulator into a topological insulator. <i>Physical Review Research</i> , 2019 , 1,	3.9	21
152	Sum-rule constraints on the surface state conductance of topological insulators. <i>Physical Review Letters</i> , 2015 , 115, 116804	7.4	20
151	Surface-sensitive two-dimensional magneto-fingerprint in mesoscopic Bi ₂ Se ₃ channels. <i>Nano Letters</i> , 2013 , 13, 2471-6	11.5	20
150	Magneto-optical spin spectroscopy in hybrid ferromagnetic semiconductor heterostructures. <i>Journal of Applied Physics</i> , 1997 , 81, 5441-5443	2.5	20
149	Noncollinear spin valve effect in ferromagnetic semiconductor trilayers. <i>Physical Review B</i> , 2007 , 76,	3.3	20
148	Measurements of Landau-level crossings and extended states in magnetic two-dimensional electron gases. <i>Physical Review B</i> , 2002 , 65,	3.3	20
147	Faraday Rotation Due to Surface States in the Topological Insulator (BiSb)Te. <i>Nano Letters</i> , 2017 , 17, 980-984	11.5	19
146	Infrared electrodynamics and ferromagnetism in the topological semiconductors Bi ₂ Te ₃ and Mn-doped Bi ₂ Te ₃ . <i>Physical Review B</i> , 2014 , 89,	3.3	19
145	Interlayer and interfacial exchange coupling in ferromagnetic metal/semiconductor heterostructures. <i>Physical Review B</i> , 2010 , 81,	3.3	19
144	Scaling theory of magnetoresistance and carrier localization in Ga _{1-x} MnxAs. <i>Physical Review Letters</i> , 2009 , 102, 137203	7.4	19

143	Theoretical analysis of the influence of magnetic domain walls on longitudinal and transverse magnetoresistance in tensile strained (Ga,Mn)As epilayers. <i>Physical Review B</i> , 2007 , 76,	3.3	19
142	Molecular beam epitaxy of MnAs/ZnSe hybrid ferromagnetic/semiconductor heterostructures. <i>Applied Physics Letters</i> , 2000 , 77, 3812-3814	3.4	19
141	Resonant amplification of spin transferred across a GaAs/ZnSe interface. <i>Journal of Applied Physics</i> , 2000 , 87, 5073-5075	2.5	19
140	Observation of novel type-I excitons in type-II superlattices. <i>Solid State Communications</i> , 1993 , 85, 691-694	3.4	19
139	Proximity-effect-induced Superconducting Gap in Topological Surface States - A Point Contact Spectroscopy Study of NbSe/BiSe Superconductor-Topological Insulator Heterostructures. <i>Scientific Reports</i> , 2017 , 7, 7631	4.9	18
138	Effects of exchange bias on magnetotransport in permalloy kagome artificial spin ice. <i>New Journal of Physics</i> , 2015 , 17, 023047	2.9	17
137	Robustness of topological surface states against strong disorder observed in Bi ₂ Te ₃ nanotubes. <i>Physical Review B</i> , 2016 , 93,	3.3	17
136	Ferromagnetism and infrared electrodynamic of Ga _{1-x} MnxAs. <i>Physical Review B</i> , 2013 , 87,	3.3	17
135	Electron microscopy of GaAs/MnAs core/shell nanowires. <i>Applied Physics Letters</i> , 2010 , 97, 072505	3.4	17
134	Gallium-related defect centers in molecular-beam-epitaxy-grown ZnSe films: Influence of electric field on thermal emission of electrons. <i>Physical Review B</i> , 1993 , 47, 9641-9649	3.3	17
133	Modulated reflectivity spectrum of strained ZnSe/Zn _{1-x} CdxSe/ZnSe single quantum wells. <i>Physical Review B</i> , 1992 , 45, 1181-1186	3.3	17
132	Characteristics of thin-film ZnSe/(Zn,Cd)Se/ZnSe heterostructure waveguides in the visible and near infrared. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1991 , 8, 1799	1.7	17
131	Engineering the breaking of time-reversal symmetry in gate-tunable hybrid ferromagnet/topological insulator heterostructures. <i>Npj Quantum Materials</i> , 2018 , 3,	5	17
130	Local optical control of ferromagnetism and chemical potential in a topological insulator. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 10379-10383	11.5	16
129	Structure, mechanical and thermal properties of polypropylene based hybrid composites with banana fiber and fly ash. <i>Materials Research Express</i> , 2019 , 6, 075318	1.7	16
128	Exchange biasing of the ferromagnetic semiconductor (Ga,Mn)As by MnO (invited). <i>Journal of Applied Physics</i> , 2005 , 97, 10D304	2.5	16
127	Spectroellipsometry for characterization of Zn _{1-x} CdxSe multilayered structures on GaAs. <i>Applied Physics Letters</i> , 1996 , 69, 2273-2275	3.4	16
126	New low-strain III-V superlattices: ZnTe/CdSe and ZnTe/Cd _{1-x} MnxSe. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1992 , 10, 915		16

125	Growth and characterization of digital alloy quantum wells of CdSe/ZnSe. <i>Journal of Electronic Materials</i> , 1993 , 22, 467-471	1.9	16
124	Antiferromagnetic phase transition in Cd _{1-x} MnxSe epilayers. <i>Physical Review B</i> , 1990 , 42, 2582-2585	3.3	16
123	Observation of Interfacial Antiferromagnetic Coupling between Magnetic Topological Insulator and Antiferromagnetic Insulator. <i>Nano Letters</i> , 2019 , 19, 2945-2952	11.5	15
122	Changes of Magnetism in a Magnetic Insulator due to Proximity to a Topological Insulator. <i>Physical Review Letters</i> , 2020 , 125, 017204	7.4	15
121	Structural and magnetic characteristics of MnAs nanoclusters embedded in Be-doped GaAs. <i>Physical Review B</i> , 2011 , 84,	3.3	15
120	An Introduction to Semiconductor Spintronics. <i>Solid State Physics</i> , 2004 , 58, 1-72	2	15
119	Optoelectronic control of spin dynamics at near-terahertz frequencies in magnetically doped quantum wells. <i>Physical Review B</i> , 2005 , 72,	3.3	15
118	Atomic rearrangement at ZnTe/CdSe interfaces. <i>Physical Review B</i> , 1994 , 50, 14327-14335	3.3	15
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