Nitin Samarth

List of Publications by Year in Descending Order

286 papers	14,548 citations	59 h-index	113 g-index
314 ext. papers	16,169 ext. citations	7.1 avg, IF	6.31 L-index

#	Paper	IF	Citations
286	Large unidirectional spin Hall and Rashba–Edelstein magnetoresistance in topological insulator/magnetic insulator heterostructures. *Applied Physics Reviews*, **2022**, 9, 011406	17.3	2
285	Understanding Signatures of Emergent Magnetism in Topological Insulator/Ferrite Bilayers.. *Physical Review Letters*, **2022**, 128, 126802	7.4	0
284	Spin and Charge Interconversion in Dirac-Semimetal Thin Films. *Physical Review Applied*, **2021**, 16,	4.3	4
283	Materials challenges and opportunities for quantum computing hardware. *Science*, **2021**, 372,	33.3	28
282	Mapping the phase diagram of the quantum anomalous Hall and topological Hall effects in a dual-gated magnetic topological insulator heterostructure. *Physical Review Research*, **2021**, 3,	3.9	1
281	Topological Hall Effect in a Topological Insulator Interfaced with a Magnetic Insulator. *Nano Letters*, **2021**, 21, 84-90	11.5	9
280	Interface-induced sign reversal of the anomalous Hall effect in magnetic topological insulator heterostructures. *Nature Communications*, **2021**, 12, 79	17.4	15
279	Spin-valley locking and bulk quantum Hall effect in a noncentrosymmetric Dirac semimetal BaMnSb. *Nature Communications*, **2021**, 12, 4062	17.4	4
278	Field-Tunable Interactions and Frustration in Underlayer-Mediated Artificial Spin Ice. *Physical Review Letters*, **2021**, 127, 117203	7.4	3
277	Magnetization relaxation and search for the magnetic gap in bulk-insulating V-doped (Bi, Sb)2Te3. *Applied Physics Letters*, **2021**, 119, 132404	3.4	2
276	Tuning the Chern number in quantum anomalous Hall insulators. *Nature*, **2020**, 588, 419-423	50.4	26
275	Changes of Magnetism in a Magnetic Insulator due to Proximity to a Topological Insulator. *Physical Review Letters*, **2020**, 125, 017204	7.4	15
274	Large-scale interlayer rotations and Te grain boundaries in (Bi,Sb)2Te3 thin films. *Physical Review Materials*, **2020**, 4,	3.2	8
273	Imaging the stochastic microstructure and dynamic development of correlations in perpendicular artificial spin ice. *Physical Review Research*, **2020**, 2,	3.9	6
272	Concurrence of quantum anomalous Hall and topological Hall effects in magnetic topological insulator sandwich heterostructures. *Nature Materials*, **2020**, 19, 732-737	27	35
271	Absence of evidence for chiral Majorana modes in quantum anomalous Hall-superconductor devices. *Science*, **2020**, 367, 64-67	33.3	37
270	Demonstration of Dissipative Quasihelical Edge Transport in Quantum Anomalous Hall Insulators. *Physical Review Letters*, **2020**, 125, 126801	7.4	4

269	Scaling behavior of the quantum phase transition from a quantum-anomalous-Hall insulator to an axion insulator. *Nature Communications*, **2020**, 11, 4532	17.4	7
268	Magnetization switching using topological surface states. *Science Advances*, **2019**, 5, eaaw3415	14.3	33
267	Low-temperature saturation of phase coherence length in topological insulators. *Physical Review B*, **2019**, 99,	3.3	8
266	Anomalous Quantum Oscillations of Interacting Electron-Hole Gases in Inverted Type-II InAs/GaSb Quantum Wells. *Physical Review Letters*, **2019**, 122, 186802	7.4	9
265	On the understanding of current-induced spin polarization of three-dimensional topological insulators. *Nature Communications*, **2019**, 10, 1461	17.4	7
264	Structure, mechanical and thermal properties of polypropylene based hybrid composites with banana fiber and fly ash. *Materials Research Express*, **2019**, 6, 075318	1.7	16
263	Observation of Interfacial Antiferromagnetic Coupling between Magnetic Topological Insulator and Antiferromagnetic Insulator. *Nano Letters*, **2019**, 19, 2945-2952	11.5	15
262	Structure and basal twinning of topological insulator Bi2Se3 grown by MBE onto crystalline Y3Fe5O12. *Physical Review Materials*, **2019**, 3,	3.2	7
261	Spin scattering and noncollinear spin structure-induced intrinsic anomalous Hall effect in antiferromagnetic topological insulator MnBi2Te4. *Physical Review Research*, **2019**, 1,	3.9	114
260	Fermi level dependent spin pumping from a magnetic insulator into a topological insulator. *Physical Review Research*, **2019**, 1,	3.9	21
259	Realization of the Axion Insulator State in Quantum Anomalous Hall Sandwich Heterostructures. *Physical Review Letters*, **2018**, 120, 056801	7.4	159
258	Continuous wave protocol for simultaneous polarization and optical detection of P1-center electron spin resonance. *Physical Review B*, **2018**, 97,	3.3	6
257	Confined Chemical Fluid Deposition of Ferromagnetic Metalattices. *Nano Letters*, **2018**, 18, 546-552	11.5	14
256	Unidirectional spin-Hall and Rashba-Edelstein magnetoresistance in topological insulator-ferromagnet layer heterostructures. *Nature Communications*, **2018**, 9, 111	17.4	55
255	Engineering the breaking of time-reversal symmetry in gate-tunable hybrid ferromagnet/topological insulator heterostructures. *Npj Quantum Materials*, **2018**, 3,	5	17
254	Nontrivial superconductivity in topological MoTe S crystals. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 9503-9508	11.5	34
253	Microfabricated Testbench for High Throughput Measurement of Thermal and Thermoelectric Properties of Low-Dimensional Materials. *Journal of Microelectromechanical Systems*, **2017**, 26, 396-405	2.5	2
252	Understanding magnetotransport signatures in networks of connected permalloy nanowires. *Physical Review B*, **2017**, 95,	3.3	24

251	Faraday Rotation Due to Surface States in the Topological Insulator (BiSb)Te. *Nano Letters*, **2017**, 17, 980-984	11.5	19
250	Local optical control of ferromagnetism and chemical potential in a topological insulator. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 10379-10383	11.5	16
249	Helicity dependent photocurrent in electrically gated (Bi Sb)Te thin films. *Nature Communications*, **2017**, 8, 1037	17.4	40
248	Quantum materials discovery from a synthesis perspective. *Nature Materials*, **2017**, 16, 1068-1076	27	42
247	Proximity-effect-induced Superconducting Gap in Topological Surface States - A Point Contact Spectroscopy Study of NbSe/BiSe Superconductor-Topological Insulator Heterostructures. *Scientific Reports*, **2017**, 7, 7631	4.9	18
246	Tetradymites as thermoelectrics and topological insulators. *Nature Reviews Materials*, **2017**, 2,	73.3	128
245	Characterization of switching field distributions in Ising-like magnetic arrays. *Physical Review B*, **2017**, 95,	3.3	6
244	Bulk-impurity induced noise in large-area epitaxial thin films of topological insulators. *Applied Physics Letters*, **2017**, 111, 062107	3.4	10
243	Room-Temperature Spin-Orbit Torque Switching Induced by a Topological Insulator. *Physical Review Letters*, **2017**, 119, 077702	7.4	247
242	Interface-Induced Phenomena in Magnetism. *Reviews of Modern Physics*, **2017**, 89,	40.5	475
241	Probing Two-dimensional (Bi,Sb)2Te3/h-BN Heterostructures Using Complementary S/TEM and Simulation Techniques. *Microscopy and Microanalysis*, **2017**, 23, 1760-1761	0.5	
240	Large discrete jumps observed in the transition between Chern states in a ferromagnetic topological insulator. *Science Advances*, **2016**, 2, e1600167	14.3	43
239	Robustness of topological surface states against strong disorder observed in Bi2Te3 nanotubes. *Physical Review B*, **2016**, 93,	3.3	17
238	S/TEM Investigation of the Structure of (Bi,Sb) 2 Te 3 /h-BN Heterostructures Grown by Molecular Beam Epitaxy. *Microscopy and Microanalysis*, **2016**, 22, 1602-1603	0.5	
237	Resistance noise in epitaxial thin films of ferromagnetic topological insulators. *Applied Physics Letters*, **2016**, 108, 082101	3.4	13
236	Surface-State-Dominated Spin-Charge Current Conversion in Topological-Insulator-Ferromagnetic-Insulator Heterostructures. *Physical Review Letters*, **2016**, 117, 076601	7.4	130
235	Effects of exchange bias on magnetotransport in permalloy kagome artificial spin ice. *New Journal of Physics*, **2015**, 17, 023047	2.9	17
234	Topological Insulator Thin Films and Heterostructures: Epitaxial Growth, Transport, and Magnetism **2015**, 295-329		

233	Giant Spin Pumping and Inverse Spin Hall Effect in the Presence of Surface and Bulk Spin-Orbit Coupling of Topological Insulator Bi2Se3. *Nano Letters*, **2015**, 15, 7126-32	11.5	200
232	Giant anisotropic magnetoresistance in a quantum anomalous Hall insulator. *Nature Communications*, **2015**, 6, 7434	17.4	99
231	Persistent optical gating of a topological insulator. *Science Advances*, **2015**, 1, e1500640	14.3	25
230	Characterizing the structure of topological insulator thin films. *APL Materials*, **2015**, 3, 083303	5.7	40
229	Sum-rule constraints on the surface state conductance of topological insulators. *Physical Review Letters*, **2015**, 115, 116804	7.4	20
228	Mapping the chemical potential dependence of current-induced spin polarization in a topological insulator. *Physical Review B*, **2015**, 92,	3.3	66
227	Visualization of superparamagnetic dynamics in magnetic topological insulators. *Science Advances*, **2015**, 1, e1500740	14.3	95
226	Spin-polarized tunneling study of spin-momentum locking in topological insulators. *Physical Review B*, **2015**, 91,	3.3	92
225	Observation of quantum-tunnelling-modulated spin texture in ultrathin topological insulator Bi2Se3 films. *Nature Communications*, **2014**, 5, 3841	17.4	99
224	Momentum-space imaging of Cooper pairing in a half-Dirac-gas topological superconductor. *Nature Physics*, **2014**, 10, 943-950	16.2	113
223	Infrared electrodynamics and ferromagnetism in the topological semiconductors Bi2Te3 and Mn-doped Bi2Te3. *Physical Review B*, **2014**, 89,	3.3	19
222	Fermi-level electronic structure of a topological-insulator/cuprate-superconductor based heterostructure in the superconducting proximity effect regime. *Physical Review B*, **2014**, 90,	3.3	29
221	Spin-transfer torque generated by a topological insulator. *Nature*, **2014**, 511, 449-51	50.4	851
220	Quantum anomalous Hall effect in magnetically doped InAs/GaSb quantum wells. *Physical Review Letters*, **2014**, 113, 147201	7.4	50
219	Structural, electronic, and magnetic properties of single MnAs nanoclusters in GaAs. *Applied Physics Letters*, **2014**, 105, 232405	3.4	2
218	Ferromagnetism and spin-dependent transport in n-type Mn-doped bismuth telluride thin films. *Physical Review B*, **2014**, 89,	3.3	40
217	Growth and characterization of hybrid insulating ferromagnet-topological insulator heterostructure devices. *Applied Physics Letters*, **2013**, 103, 202409	3.4	78
216	Characterization of Zn1⊠MnxSe nanowires and nanoribbons with cation sublattice ordering. *Journal of Crystal Growth*, **2013**, 375, 95-99	1.6	1

215	Surface-sensitive two-dimensional magneto-fingerprint in mesoscopic Bi2Se3 channels. *Nano Letters*, **2013**, 13, 2471-6	11.5	20
214	Ferromagnetism in Bi2Se3:Mn epitaxial layers. *Physical Review B*, **2013**, 88,	3.3	26
213	Domain dynamics in thin solid films following ultrashort pulse excitation. *Physical Review Letters*, **2013**, 111, 035701	7.4	4
212	Ferromagnetism and infrared electrodynamics of Ga1−xMnxAs. *Physical Review B*, **2013**, 87,	3.3	17
211	Interplay between ferromagnetism, surface states, and quantum corrections in a magnetically doped topological insulator. *Physical Review B*, **2012**, 86,	3.3	115
210	Measurement and simulation of anisotropic magnetoresistance in single GaAs/MnAs core/shell nanowires. *Applied Physics Letters*, **2012**, 100, 182402	3.4	13
209	Perpendicular magnetization and generic realization of the Ising model in artificial spin ice. *Physical Review Letters*, **2012**, 109, 087201	7.4	47
208	Anomalous anisotropic magnetoresistance in topological insulator films. *Nano Research*, **2012**, 5, 739-746	10	59
207	Local magnetic characterization of (Ga,Mn)As continuous thin film using scanning probe force microscopy. *Physical Review B*, **2012**, 85,	3.3	3
206	Hedgehog spin texture and Berry's phase tuning in a magnetic topological insulator. *Nature Physics*, **2012**, 8, 616-622	16.2	308
205	Interplay between topological insulators and superconductors. *Physical Review B*, **2012**, 85,	3.3	41
204	Infrared conductivity of hole accumulation and depletion layers in (Ga,Mn)As- and (Ga,Be)As-based electric field-effect devices. *Physical Review B*, **2012**, 86,	3.3	8
203	Superconducting proximity effect and possible evidence for Pearl vortices in a candidate topological insulator. *Physical Review B*, **2011**, 84,	3.3	115
202	Evidence for electron-electron interaction in topological insulator thin films. *Physical Review B*, **2011**, 83,	3.3	211
201	Structural and magnetic characteristics of MnAs nanoclusters embedded in Be-doped GaAs. *Physical Review B*, **2011**, 84,	3.3	15
200	Infrared probe of the insulator-to-metal transition in Ga1−xMnxAs and Ga1−xBexAs. *Physical Review B*, **2011**, 84,	3.3	22
199	Measurements of nanoscale domain wall flexing in a ferromagnetic thin film. *Physical Review Letters*, **2011**, 107, 077205	7.4	11
198	Magneto-optical Kerr effect studies of square artificial spin ice. *Physical Review B*, **2011**, 84,	3.3	44

197	Interplay between superconductivity and ferromagnetism in crystalline nanowires. *Nature Physics*, **2010**, 6, 389-394	16.2	167
196	Polarization based control of optical hysteresis in coupled GaAs microdisks. *Applied Physics Letters*, **2010**, 97, 011106	3.4	
195	Spin control of drifting electrons using local nuclear polarization in ferromagnet-semiconductor heterostructures. *Physical Review Letters*, **2010**, 105, 137206	7.4	8
194	Coherent heteroepitaxy of Bi2Se3 on GaAs (111)B. *Applied Physics Letters*, **2010**, 97, 262104	3.4	116
193	Electron microscopy of GaAs/MnAs core/shell nanowires. *Applied Physics Letters*, **2010**, 97, 072505	3.4	17
192	Molecular self-assembly at bare semiconductor surfaces: cooperative substrate-molecule effects in octadecanethiolate monolayer assemblies on GaAs(111), (110), and (100). *ACS Nano*, **2010**, 4, 3447-65	16.7	51
191	Interlayer and interfacial exchange coupling in ferromagnetic metal/semiconductor heterostructures. *Physical Review B*, **2010**, 81,	3.3	19
190	Localization and the anomalous Hall effect in a dirty metallic ferromagnet. *Physical Review B*, **2010**, 82,	3.3	13
189	Magnetoresistance in an asymmetric Ga1□MnxAs resonant tunneling diode. *Physical Review B*, **2009**, 80,	3.3	12
188	Scaling theory of magnetoresistance and carrier localization in Ga1-xMnxAs. *Physical Review Letters* , **2009**, 102, 137203	7.4	19
187	TUNING MAGNETIC DISORDER IN DILUTED MAGNETIC SEMICONDUCTORS USING HIGH FIELDS TO 89 TESLA. *International Journal of Modern Physics B*, **2009**, 23, 2575-2584	1.1	3
186	Scanning Hall probe microscopy of a diluted magnetic semiconductor. *Journal of Applied Physics*, **2009**, 105, 093906	2.5	3
185	Ferromagnetic resonance study of MnAs□(Ga,Mn)As bilayers. *Journal of Applied Physics*, **2009**, 105, 07C506	2.5	8
184	Polarized Emission From Twin Microdisk Photonic Molecules. *IEEE Journal of Quantum Electronics*, **2009**, 45, 932-936	2	3
183	Growth of magneto-optically active (Zn,Mn)Se nanowires. *Nano Letters*, **2009**, 9, 3142-6	11.5	11
182	Long-Range Spin Currents with Chiral Crystals. *Physics Magazine*, **2009**, 2,	1.1	130
181	Substrate orientation dependence of ferromagnetism in (Ga,Mn)As. *Applied Physics Letters*, **2008**, 93, 262502	3.4	5
180	Quasireversible magnetoresistance in exchange-spring tunnel junctions. *Physical Review B*, **2008**, 78,	3.3	9

179	Optical properties of molecular-beam-epitaxy-grown InGaMnAs thin films. *Journal of Vacuum Science & Technology B*, **2007**, 25, 1087		1
178	Onset of Ferromagnetism in Low-Doped Ga1-xMnxAs. *Physical Review Letters*, **2007**, 99, 227205	7.4	53
177	Random telegraph noise from magnetic nanoclusters in the ferromagnetic semiconductor (Ga,Mn)As. *Physical Review B*, **2007**, 76,	3.3	4
176	Theoretical analysis of the influence of magnetic domain walls on longitudinal and transverse magnetoresistance in tensile strained (Ga,Mn)As epilayers. *Physical Review B*, **2007**, 76,	3.3	19
175	Spin valve effect in self-exchange biased ferromagnetic metal/semiconductor bilayers. *Applied Physics Letters*, **2007**, 91, 192503	3.4	26
174	Tuning alloy disorder in diluted magnetic semiconductors in high fields to 89T. *Applied Physics Letters*, **2007**, 90, 102109	3.4	7
173	Noncollinear spin valve effect in ferromagnetic semiconductor trilayers. *Physical Review B*, **2007**, 76,	3.3	20
172	Tunable anomalous Hall effect in a nonferromagnetic system. *Physical Review Letters*, **2006**, 96, 196404	7.4	28
171	Internal magnetic field in thin ZnSe epilayers. *Applied Physics Letters*, **2006**, 89, 242116	3.4	3
170	Impurity band conduction in a high temperature ferromagnetic semiconductor. *Physical Review Letters*, **2006**, 97, 087208	7.4	154
169	Antisite effect on hole-mediated ferromagnetism in (Ga,Mn)As. *Physical Review B*, **2006**, 74,	3.3	40
168	Width dependence of annealing effects in (Ga,Mn)As nanowires. *Journal of Applied Physics*, **2006**, 99, 08D501	2.5	7
167	Current-induced polarization and the spin Hall effect at room temperature. *Physical Review Letters*, **2006**, 97, 126603	7.4	184
166	Enhancement of spin coherence using Q-factor engineering in semiconductor microdisc lasers. *Nature Materials*, **2006**, 5, 261-4	27	53
165	Artificial 'spin ice' in a geometrically frustrated lattice of nanoscale ferromagnetic islands. *Nature*, **2006**, 439, 303-6	50.4	600
164	Hanle effect measurements of spin relaxation in self-assembled CdSe quantum dots. *Physica E: Low-Dimensional Systems and Nanostructures*, **2006**, 32, 399-402	3	2
163	Annealing Dependence of Exchange Bias in MnO/Ga1□x Mn x As Heterostructures. *Journal of Superconductivity and Novel Magnetism*, **2006**, 18, 421-426		1
162	Exchange biasing of the ferromagnetic semiconductor (Ga,Mn)As by MnO (invited). *Journal of Applied Physics*, **2005**, 97, 10D304	2.5	16

161	Ferromagnetic semiconductors: moving beyond (Ga,Mn)As. *Nature Materials*, **2005**, 4, 195-202	27	590
160	Fabrication and Characterization of Modulation-Doped ZnSe/(Zn,Cd)Se (110) Quantum Wells: A New System for Spin Coherence Studies. *Journal of Superconductivity and Novel Magnetism*, **2005**, 18, 185-188		4
159	Hanle Effect Measurements of Spin Lifetime in Zn0.4Cd0.6Se Epilayers Grown on InP. *Journal of Superconductivity and Novel Magnetism*, **2005**, 18, 195-199		1
158	Molecular-beam epitaxial growth and characterization of (In0.5Al0.5)1−xMnxAs-(In0.5Ga0.5)1−xMnxAs: Thin films and superlattices. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **2005**, 23, 1304		2
157	Optoelectronic control of spin dynamics at near-terahertz frequencies in magnetically doped quantum wells. *Physical Review B*, **2005**, 72,	3.3	15
156	Magnetoresistance anomalies in (Ga,Mn)As epilayers with perpendicular magnetic anisotropy. *Physical Review B*, **2005**, 71,	3.3	36
155	Andreev reflection and pair-breaking effects at the superconductor/magnetic semiconductor interface. *Physical Review B*, **2005**, 72,	3.3	43
154	Static and dynamic spectroscopy of (Al,Ga)As□GaAs microdisk lasers with interface fluctuation quantum dots. *Physical Review B*, **2005**, 71,	3.3	21
153	Nanoengineered Curie temperature in laterally patterned ferromagnetic semiconductor heterostructures. *Applied Physics Letters*, **2005**, 86, 152505	3.4	25
152	Braden et al. Reply:. *Physical Review Letters*, **2004**, 93,	7.4	2
151	An Introduction to Semiconductor Spintronics. *Solid State Physics*, **2004**, 58, 1-72	2	15
150	Enhancement of Curie temperature in Ga1−xMnxAs epilayers grown on cross-hatched InyGa1−yAs buffer layers. *Journal of Crystal Growth*, **2004**, 269, 298-303	1.6	6
149	Exciton localization in MgxZnyCd1−x−ySe alloy. *Physica Status Solidi (B): Basic Research*, **2004**, 241, 495-498	1.3	4
148	Temperature dependence of the energy gap of MgxZnyCd1−x−ySe alloy. *Physica Status Solidi (B): Basic Research*, **2004**, 241, R5-R7	1.3	2
147	Reflectance and photoluminescence characterization of BexZn1−xTe epilayers. *Thin Solid Films*, **2004**, 467, 88-92	2.2	5
146	Efficient free exciton emission at room temperature in Zn0.5Cd0.5Se/MgxZnyCd1−x−ySe quantum wells. *Solid State Communications*, **2004**, 132, 1-5	1.6	2
145	Exchange biasing of the ferromagnetic semiconductor Ga1−xMnxAs. *Applied Physics Letters*, **2004**, 85, 1556-1558	3.4	48
144	Optical properties of Zn0.5Cd0.5Se thin films grown on InP by molecular beam epitaxy. *Solid State Communications*, **2003**, 128, 461-466	1.6	7

143	Hybrid ferromagnetic/semiconductor heterostructures for spintronics. *Solid State Communications*, **2003**, 127, 173-179	1.6	26
142	Highly enhanced Curie temperature in low-temperature annealed [Ga,Mn]As epilayers. *Applied Physics Letters*, **2003**, 82, 2302-2304	3.4	281
141	Direct measurement of the spin polarization of the magnetic semiconductor (Ga,Mn)As. *Physical Review Letters*, **2003**, 91, 056602	7.4	113
140	Interface structure and chemistry in ZnSe/Ga1−xMnxAs/ZnSe heterostructures. *Applied Physics Letters*, **2003**, 82, 3656-3658	3.4	3
139	Capping-induced suppression of annealing effects on Ga1−xMnxAs epilayers. *Applied Physics Letters* , **2003**, 83, 4568-4570	3.4	44
138	Point contact spin spectroscopy of ferromagnetic MnAs epitaxial films. *Physical Review B*, **2003**, 68,	3.3	48
137	Coercive field and magnetization deficit in Ga1−xMnxAs epilayers. *Journal of Applied Physics*, **2003**, 93, 6784-6786	2.5	32
136	Damping of micromechanical structures by paramagnetic relaxation. *Applied Physics Letters*, **2003**, 82, 3532-3534	3.4	6
135	Structure Characterization of ZnSe/GaMnAs Quantum Well on GaAs Substrate. *Microscopy and Microanalysis*, **2002**, 8, 1620-1621	0.5	
134	Spin-polarized tunneling in hybrid metal-semiconductor magnetic tunnel junctions. *Physical Review B*, **2002**, 66,	3.3	76
133	Spectroscopic determination of hole density in the ferromagnetic semiconductor Ga1−xMnxAs. *Physical Review B*, **2002**, 66,	3.3	56
132	Measurements of Landau-level crossings and extended states in magnetic two-dimensional electron gases. *Physical Review B*, **2002**, 65,	3.3	20
131	Saturated ferromagnetism and magnetization deficit in optimally annealed Ga1−xMnxAs epilayers. *Physical Review B*, **2002**, 66,	3.3	132
130	ULTRAFAST MANIPULATION OF ELECTRON SPIN COHERENCE IN QUANTUM WELLS. *International Journal of Modern Physics B*, **2002**, 16, 2930-2935	1.1	1
129	Growth and characterization of ferromagnetic Ga1−xMnxAs epilayers on (001) ZnSe. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **2002**, 20, 1266		4
128	Optical Manipulation, Transport and Storage of Spin Coherence in Semiconductors. *Nanoscience and Technology*, **2002**, 147-193	0.6	22
127	Optical spectroscopy of magnetic 2D electron gases at the Los Alamos pulsed magnetic field facility. *Physica B: Condensed Matter*, **2001**, 298, 369-375	2.8	2
126	Persistent sourcing of coherent spins for multifunctional semiconductor spintronics. *Nature*, **2001**, 411, 770-2	50.4	188

125	Ultrafast manipulation of electron spin coherence. *Science*, **2001**, 292, 2458-61	33.3	222
124	Growth and characterization of MnAs/ZnSe ferromagnet/semiconductor hybrid heterostructures. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **2001**, 19, 1439		5
123	Effects of annealing time on defect-controlled ferromagnetism in Ga1⊠MnxAs. *Applied Physics Letters*, **2001**, 79, 1495-1497	3.4	297
122	Magnetization measurements of magnetic two-dimensional electron gases. *Physical Review Letters*, **2001**, 86, 4644-7	7.4	50
121	Intrinsic exchange biasing in MnAs epilayers grown on (001) GaAs. *Applied Physics Letters*, **2001**, 78, 2530-2532	3.4	25
120	Two-carrier transport in epitaxially grown MnAs. *Physical Review B*, **2001**, 64,	3.3	31
119	Spin-polarized quantum transport and magnetic field-dependent carrier density in magnetic two-dimensional electron gases. *Physica E: Low-Dimensional Systems and Nanostructures*, **2000**, 6, 786-789	3	12
118	Coherent Spin Dynamics and Spin Polarized Transport in Doped Semiconductors. *Journal of Superconductivity and Novel Magnetism*, **2000**, 13, 201-208		6
117	Modulation-doped ZnSe/(Zn,Cd,Mn)Se quantum wells and superlattices. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **2000**, 18, 1692		11
116	Stability of trions in strongly spin-polarized two-dimensional electron gases. *Physical Review B*, **2000**, 61, R16307-R16310	3.3	23
115	Exciton spin polarization in magnetic semiconductor quantum wires. *Applied Physics Letters*, **2000**, 76, 1167-1169	3.4	25
114	Coherent transfer of spin through a semiconductor heterointerface. *Physical Review Letters*, **2000**, 84, 1015-8	7.4	107
113	Molecular beam epitaxy of MnAs/ZnSe hybrid ferromagnetic/semiconductor heterostructures. *Applied Physics Letters*, **2000**, 77, 3812-3814	3.4	19
112	Quasi-two-dimensional spin distributions in II-VI magnetic semiconductor heterostructures: Clustering and dimensionality. *Physical Review B*, **2000**, 61, 1736-1739	3.3	22
111	Resonant amplification of spin transferred across a GaAs/ZnSe interface. *Journal of Applied Physics*, **2000**, 87, 5073-5075	2.5	19
110	Fabrication and characterization of a two-dimensional electron gas in modulation doped ZnTe/Cd[sub 1⊠]Mn[sub x]Se quantum wells. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **1999**, 17, 1147		4
109	Persistent photoconductivity in II-VI magnetic two-dimensional electron gases. *Physical Review B*, **1999**, 59, 9810-9813	3.3	7
108	Magnetic semiconductor quantum wells in high fields to 60 Tesla: Photoluminescence linewidth annealing at magnetization steps. *Physical Review B*, **1999**, 60, R2173-R2176	3.3	39

107	Optical signatures from magnetic two-dimensional electron gases in magnetic fields to 60 T. *Journal of Applied Physics*, **1999**, 85, 5932-5934	2.5	3
106	Spin dynamics and quantum transport in magnetic semiconductor quantum structures. *Journal of Magnetism and Magnetic Materials*, **1999**, 200, 130-147	2.8	80
105	Cyclotron resonance in modulation-doped ZnSe/Zn1□CdxSe and ZnTe/CdSe single quantum wells. *Applied Physics Letters*, **1999**, 75, 3662-3664	3.4	6
104	Electron precession and coherence in magnetic quantum structures: Room-temperature spin memory. *Solid State Communications*, **1998**, 107, 663-672	1.6	4
103	Spin-dependent transport in a magnetic two-dimensional electron gas. *Physica E: Low-Dimensional Systems and Nanostructures*, **1998**, 2, 381-387	3	7
102	Optical studies of spin precession in magnetic two-dimensional electron gases. *Physica E: Low-Dimensional Systems and Nanostructures*, **1998**, 2, 394-398	3	8
101	Optical spectroscopy of II□VI (magnetic) semiconductor quantum dots. *Physica E: Low-Dimensional Systems and Nanostructures*, **1998**, 2, 854-857	3	9
100	Spin transport and optically-probed coherence in magnetic semiconductor heterostructures. *Physica B: Condensed Matter*, **1998**, 249-251, 676-684	2.8	9
99	Spin transport and carrier-mediated magnetism in magnetic semiconductor heterostructures. *Current Opinion in Solid State and Materials Science*, **1998**, 3, 198-202	12	5
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