

Tomasz Dietl

List of Publications by Year in descending order

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376
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399
all docs

399
docs citations

399
times ranked

10860
citing authors

#	ARTICLE	IF	CITATIONS
1	Topological states in superlattices of HgTe class of materials for engineering three-dimensional flat bands. Physical Review Research, 2022, 4, .	1.3	11
2	Dilute Magnetic Materials. , 2021, , 1-56.		1
3	Momentum-resolved spin splitting in Mn-doped trivial CdTe and topological HgTe semiconductors. Physical Review B, 2021, 103, .	1.1	15
4	From Narrow-Gap and Semimagnetic Semiconductors to Spintronics and Topological Matter: A Life with Spins. Acta Physica Polonica A, 2021, 139, 355-376.	0.2	2
5	From Narrow-Gap and Semimagnetic Semiconductors to Spintronics and Topological Matter: A Life with Spins. Acta Physica Polonica A, 2021, 139, 355-376.	0.2	0
6	Realization of the Chern-insulator and axion-insulator phases in antiferromagnetic MnTe heterostructures. Physical Review B, 2021, 703, .	1.1	10
7	Signatures of dephasing by mirror-symmetry breaking in weak-antilocalization magnetoresistance across the topological transition in $\text{Pb}_{1-x}\text{Sn}_x\text{Se}$ heterostructures. Physical Review B, 2021, 103, .	1.1	7
8	Dilute Magnetic Materials. , 2021, , 923-978.		0
9	Superexchange dominates in magnetic topological insulators. Physical Review B, 2021, 104, .	1.1	10
10	Magnetic-field-induced topological phase transition in Fe-doped $\text{S}_{1-x}\text{e}_x\text{Mn}_3$ heterostructures. Physical Review Materials, 2020, 4, .	0.9	15
11	Families of magnetic semiconductors Ae^{II} an overview. Journal of Semiconductors, 2019, 40, 080301.	2.0	52
12	Experimental search for the origin of low-energy modes in topological materials. Physical Review B, 2019, 100, .	1.1	12
13	Magneto-transport in inverted HgTe quantum wells. Npj Quantum Materials, 2019, 4, .	1.8	16
14	Gating effects in antiferromagnetic CuMnAs. AIP Advances, 2019, 9, 115101.	0.6	1
15	Cubic anisotropy in (Ga,Mn)As layers: Experiment and theory. Physical Review B, 2018, 97, .	1.1	16
16	Thermodynamic perturbation theory for noninteracting quantum particles with application to spin-spin interactions in solids. Physical Review B, 2018, 98, .	1.1	3
17	Nematicity of correlated systems driven by anisotropic chemical phase separation. Physical Review Materials, 2018, 2, .	0.9	9
18	Hydrostatic-pressure-induced changes of magnetic anisotropy in (Ga, Mn)As thin films. Journal of Physics Condensed Matter, 2017, 29, 115805.	0.7	3

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19	Interplay between localization and magnetism in (Ga,Mn)As and (In,Mn)As. Physical Review Materials, 2017, 1, .	0.9	28
20	Conductance oscillations in quantum point contacts of InAs/GaSb heterostructures. Physical Review B, 2016, 93, .	1.1	7
21	Stretching magnetism with an electric field in a nitride semiconductor. Nature Communications, 2016, 7, 13232.	5.8	33
22	Fermi level position, Coulomb gap and Dresselhaus splitting in (Ga,Mn)As. Scientific Reports, 2016, 6, 27266.	1.6	24
23	Two-Probe Measurements of Electron Transport in GaN:Si/(Ga,Mn)N/GaN:Si Spin Filter Structures. Acta Physica Polonica A, 2016, 130, 1196-1198.	0.2	2
24	Spin dynamics of a confined electron interacting with magnetic or nuclear spins: A semiclassical approach. Physical Review B, 2015, 91, .	1.1	13
25	(Ga,Mn)As under pressure: A first-principles investigation. Physical Review B, 2015, 91, .	1.1	15
26	Upper bound for the $\int_{-\infty}^{\infty} \frac{d}{m} \text{integral in } (Ga,Mn)N:Si$ from magnetotransport studies. Physical Review B, 2015, 91, .	1.1	8
27	Spinodal nanodecomposition in semiconductors doped with transition metals. Reviews of Modern Physics, 2015, 87, 1311-1377.	16.4	152
28	Ferromagnetic resonance of Py deposited on ZnO grown by molecular beam epitaxy. Japanese Journal of Applied Physics, 2015, 54, 093001.	0.8	4
29	Theory of ferromagnetism driven by superexchange in dilute magnetic semi-conductors. EPJ Web of Conferences, 2014, 75, 01003.	0.1	13
30	Orbital magnetization in dilute ferromagnetic semiconductors. Physical Review B, 2014, 90, .	1.1	4
31	Dilute ferromagnetic semiconductors: Physics and spintronic structures. Reviews of Modern Physics, 2014, 86, 187-251.	16.4	772
32	Experimental determination of Rashba spin-orbit coupling in wurtzite $GaN:Si$. Physical Review B, 2014, 89, .	1.1	27
33	Characterization of Fe-N nanocrystals and nitrogen-containing inclusions in (Ga,Fe)N thin films using transmission electron microscopy. Journal of Applied Physics, 2013, 114, .	1.1	8
34	Modification of Emission Properties of ZnO Layers due to Plasmonic Near-Field Coupling to Ag Nanoislands. Plasmonics, 2013, 8, 913-919.	1.8	7
35	Homogeneous and heterogeneous magnetism in (Zn,Co)O: From a random antiferromagnet to a dipolar superferromagnet by changing the growth temperature. Physical Review B, 2013, 88, .	1.1	43
36	Relation between exciton splittings, magnetic circular dichroism, and magnetization in wurtzite $GaN:Fe$. Physical Review B, 2013, 88, .	1.1	8

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37	Phase diagram and critical behavior of the random ferromagnet Ga _{1-x} Mn _x N. Physical Review B, 2013, 88, .	1.1	43
38	Absence of nonlocal resistance in microstructures of PbTe quantum wells. Physica Status Solidi (B): Basic Research, 2013, 250, 37-47.	0.7	10
39	Ab initio studies of bulk uniaxial anisotropy in (Ga,Mn)As. , 2013, , .		0
40	Nonlocal resistance and its fluctuations in microstructures of band-inverted HgTe/(Hg,Cd)Te quantum wells. Physical Review B, 2013, 88, .	1.1	45
41	Homogenous and heterogeneous magnetism in (Zn,Co)O. , 2012, , .		1
42	Thickness dependent magnetic properties of (Ga,Mn)As ultrathin films. Applied Physics Letters, 2012, 100, .	1.5	19
43	Manipulating Mn ²⁺ Mg ²⁺ cation complexes to control the charge- and spin-state of Mn in GaN. Scientific Reports, 2012, 2, 722.	1.6	43
44	Ga _{1-x} Mn _x N epitaxial films with high magnetization. Applied Physics Letters, 2012, 101, .	1.5	48
45	Element-specific characterization of heterogeneous magnetism in (Ga,Fe)N films. Physical Review B, 2012, 85, .	1.1	13
46	Origin of low-temperature magnetic ordering in Ga _{1-x} Mn _x N. Physical Review B, 2012, 85, .	1.1	48
47	Origin of Bulk Uniaxial Anisotropy in Zinc-Blende Dilute Magnetic Semiconductors. Physical Review Letters, 2012, 108, 237203.	2.9	52
48	Fe-Mg interplay and the effect of deposition mode in (Ga,Fe)N doped with Mg. Physical Review B, 2011, 84, .	1.1	21
49	Experimental probing of exchange interactions between localized spins in the dilute magnetic insulator (Ga,Mn)N. Physical Review B, 2011, 84, .	1.1	61
50	Aggregation and magnetism of Cr, Mn, and Fe cations in GaN. Physical Review B, 2011, 83, .	1.1	56
51	Influence of Mn ₂₊ on the magnetic properties of Ga _{1-x} Mn _x N. Physical Review B, 2011, 83, .	1.1	25
52	Theory of spin waves in ferromagnetic (Ga,Mn)As. AIP Conference Proceedings, 2011, , .	0.3	0
53	Aberration-corrected electron microscopy of MnAs and As nanocrystals and voids in annealed (Ga,Mn)As. Journal of Physics: Conference Series, 2011, 326, 012018.	0.3	1
54	Voids and Mn-rich inclusions in a (Ga,Mn)As ferromagnetic semiconductor investigated by transmission electron microscopy. Journal of Applied Physics, 2011, 109, .	1.1	14

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55	Thermodynamic and thermoelectric properties of (Ga,Mn)As and related compounds. Physical Review B, 2011, 83, .	1.1	9
56	Formation process and superparamagnetic properties of (Mn,Ga)As nanocrystals in GaAs fabricated by annealing of (Ga,Mn)As layers with low Mn content. Physical Review B, 2011, 84, .	1.1	27
57	Properties and Characterization of ALD Grown Dielectric Oxides for MIS Structures. Acta Physica Polonica A, 2011, 119, 692-695.	0.2	25
58	Magneto-optical Properties of (Ga,Fe)N Layers. Acta Physica Polonica A, 2011, 120, 921-923.	0.2	1
59	Inhomogeneous Cr distribution and superparamagnetic behavior in magnetic semiconductor (Zn, Tj ETQq1 1 0.784314 rgBT ₁ /Overlook		
60	Effect of inversion asymmetry on the intrinsic anomalous Hall effect in ferromagnetic (Ga,Mn)As. Physical Review B, 2010, 81, .	1.1	10
61	Reducing influence of antiferromagnetic interactions on ferromagnetic properties of p-(Cd,Mn)Te quantum wells. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 2694-2697.	1.3	0
62	Experimental probing of the interplay between ferromagnetism and localization in (Ga,ÅMn)As. Nature Physics, 2010, 6, 22-25.	6.5	211
63	Hysteretic magnetoresistance and thermal bistability in a magnetic two-dimensional hole system. Nature Physics, 2010, 6, 955-959.	6.5	19
64	Magnetic anisotropy of epitaxial (Ga,Mn)As on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:mo></mml:mo><mml:mrow><mml:mn>113</mml:mn></mml:mrow><mml:mo></mml:mo></mml:mrow><mml:mo></mml:mo></mml:math>	1.1	31
65	Contact superconductivity in InéPbTe junctions. Journal of Applied Physics, 2010, 108, 053714.	1.1	14
66	Theory of spin waves in ferromagnetic (Ga,Mn)As. Physical Review B, 2010, 82, .	1.1	28
67	Embedded magnetic phases in (Ga,Fe)N: Key role of growth temperature. Physical Review B, 2010, 81, .	1.1	41
68	Structural and paramagnetic properties of dilute<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Ga</mml:mtext></mml:mrow></mml:msub></mml:mrow><mml:mn>1</mml:mn></mml:math>	1.1	70
69	Curie temperature versus hole concentration in field-effect structures of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Ga</mml:mtext></mml:mrow></mml:msub></mml:mrow><mml:mn>1</mml:mn></mml:math>	1.1	69
70	A story of high-temperature ferromagnetism in semiconductors. Chemical Society Reviews, 2010, 39, 528-539.	18.7	122
71	A ten-year perspective on dilute magnetic semiconductors and oxides. Nature Materials, 2010, 9, 965-974.	13.3	1,261
72	Anomalous Hall Effect in Field-Effect Structures of (Ga,Mn)As. Physical Review Letters, 2010, 104, 106601.	2.9	68

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73	Maximal positive cross-correlation of current noise from Andreev reflection. Physical Review B, 2009, 79, .	1.1	3
74	Local structure of (Ga,Fe)N and (Ga,Fe)N:Si investigated by x-ray absorption fine structure spectroscopy. Physical Review B, 2009, 79, .	1.1	42
75	Ferromagnetic properties of $\text{p}-(\text{Cd,Mn})\text{Te}$ quantum wells: Interpretation of magneto-optical measurements by Monte Carlo simulations. Physical Review B, 2009, 79, .	1.1	17
76	Synthesis, Crystal Growth and Epitaxial Layers Growth of $\text{FeSe}_{0.88}$ Superconductor and Other Poison Materials by Use of High Gas Pressure Trap System. Journal of Superconductivity and Novel Magnetism, 2009, 22, 599-602.	0.8	13
77	Fe onto GaN(0001) grown in a full MOVPE process. Journal of Crystal Growth, 2008, 310, 1772-1776.	0.7	3
78	Spin-transfer physics and the model of ferromagnetism in (Ga,Mn)As. Journal of Magnetism and Magnetic Materials, 2008, 320, 1293-1299.	1.0	26
79	Controlled Aggregation of Magnetic Ions in a Semiconductor: An Experimental Demonstration. Physical Review Letters, 2008, 101, 135502.	2.9	106
80	Observation of Strong-Coupling Effects in a Diluted Magnetic Semiconductor $\text{Ga}_{1-x}\text{Mn}_x\text{N}$. Physical Review Letters, 2008, 100, 037204.	2.9	51
81	Origin and control of ferromagnetism in dilute magnetic semiconductors and oxides (invited). Journal of Applied Physics, 2008, 103, .	1.1	121
82	Chapter 9 Exchange Interactions and Nanoscale Phase Separations in Magnetically Doped Semiconductors. Semiconductors and Semimetals, 2008, 82, 371-432.	0.4	3
83	DILUTED FERROMAGNETIC SEMICONDUCTORS – ORIGIN OF MAGNETIC ORDERING AND SPIN-TRANSPORT PROPERTIES. International Journal of Modern Physics B, 2008, 22, 104-105.	1.0	1
84	Effects of magnetic ions on optical properties: the case of (Ga, Fe)N. Journal of Physics Condensed Matter, 2008, 20, 454222.	0.7	0
85	0.7 anomaly and magnetotransport of disordered quantum wires. Europhysics Letters, 2008, 82, 27003.	0.7	4
86	Hole states in wide band-gap diluted magnetic semiconductors and oxides. Physical Review B, 2008, 77, .	1.1	80
87	Interplay between Carrier Localization and Magnetism in Diluted Magnetic and Ferromagnetic Semiconductors. Journal of the Physical Society of Japan, 2008, 77, 031005.	0.7	85
88	Electron-hole contribution to the apparent sd exchange interaction in III-V dilute magnetic semiconductors. Physical Review B, 2008, 78, .	1.1	24
89	Correlation between Cr Distribution and Ferromagnetism in Iodine-Doped (Zn,Cr)Te. Journal of the Korean Physical Society, 2008, 53, 2917-2920.	0.3	2
90	$\text{Pb}_{1-x}\text{Eu}_x\text{Te}$: mobility. Landolt-Börnstein - Group III Condensed Matter, 2008, , 306-307.	0.0	0

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91	Pb $_{1-x}$ Eu $_x$ Te: phase coherence length. Landolt-Börnstein - Group III Condensed Matter, 2008, , 308-308.	0.0	0
92	Colossal Magnetoresistance in (Cd,Mn)Te Heterostructures. Journal of the Korean Physical Society, 2008, 53, 28-32.	0.3	0
93	Origin of ferromagnetism in Zn $_{1-x}$ CoxO from magnetization and spin-dependent magnetoresistance measurements. Physical Review B, 2007, 76, .	1.1	117
94	Spin-dependent tunneling in modulated structures of (Ga,Mn)As. Physical Review B, 2007, 75, .	1.1	50
95	Lithographic engineering of anisotropies in (Ga,Mn)As. Applied Physics Letters, 2007, 90, 102102.	1.5	54
96	Intermediate phase at the metal-insulator boundary in a magnetically doped two-dimensional electron system. Physical Review B, 2007, 76, .	1.1	27
97	Semiconductor Spintronics. , 2007, , 1-46.		20
98	Origin of ferromagnetic response in diluted magnetic semiconductors and oxides. Journal of Physics Condensed Matter, 2007, 19, 165204.	0.7	112
99	Character of states near the Fermi level in (Ga,Mn)As: Impurity to valence band crossover. Physical Review B, 2007, 76, .	1.1	139
100	Paramagnetic GaN:Fe and ferromagnetic (Ga,Fe)N: The relationship between structural, electronic, and magnetic properties. Physical Review B, 2007, 75, .	1.1	109
101	Theory of Spin Transport Across Domain-Walls in (Ga,Mn)As. AIP Conference Proceedings, 2007, , .	0.3	0
102	Vertical spin transport in semiconductor heterostructures. Low Temperature Physics, 2007, 33, 187-191.	0.2	0
103	Domain wall resistance in perpendicularly magnetized (Ga,Mn)As. Journal of Magnetism and Magnetic Materials, 2007, 310, 2078-2083.	1.0	6
104	Coercivity enlargement in (Ga,Mn)As thin films with small amount of MnAs nanoclusters. Journal of Magnetism and Magnetic Materials, 2007, 310, 2126-2128.	1.0	6
105	Spin-dependent tunneling in modulated structures of (Ga,Mn)As. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 493-496.	0.8	0
106	Photoluminescence and Hall studies of GaN:Fe and (Ga,Fe)N:Mg layers. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 86-91.	0.8	2
107	Coherent spin transport in magnetization modulated semiconductor heterostructures. Physica Status Solidi (B): Basic Research, 2007, 244, 2391-2398.	0.7	1
108	Origin and control of high-temperature ferromagnetism in semiconductors. Nature Materials, 2007, 6, 440-446.	13.3	318

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109	Ferromagnetic Semiconductor Heterostructures for Spintronics. IEEE Transactions on Electron Devices, 2007, 54, 945-954.	1.6	24
110	High Temperature Ferromagnetism and Nano-Scale Phase Separations in Diluted Magnetic Semiconductors and Oxides. Acta Physica Polonica A, 2007, 111, 27-46.	0.2	17
111	Domain-Wall Resistance in Ferromagnetic (Ga,Mn)As. Physical Review Letters, 2006, 96, 096602.	2.9	65
112	Anomalous Magnetoresistance in Dirty Magnetic Quantum Wells. AIP Conference Proceedings, 2006, , .	0.3	0
113	Spin-related Magnetoresistance of n-type ZnO:Al and Zn _{1-x} MnxO:Al Thin Films. AIP Conference Proceedings, 2006, , .	0.3	0
114	Magnetoresistance of n-type ZnO:Al and Zn _{1-x} MnxO:Al thin films. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 1030-1033.	0.8	6
115	Theory of spin-dependent tunneling and resonant tunneling in layered structures based on (Ga,Mn)As. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 4188-4191.	0.8	1
116	Engineering magnetism in semiconductors. Materials Today, 2006, 9, 18-26.	8.3	72
117	Self-organized growth controlled by charge states of magnetic impurities. Nature Materials, 2006, 5, 673-673.	13.3	114
118	Magnetic properties of a new spintronic material GaN:Fe. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 126, 222-225.	1.7	28
119	Tight-binding model of spin-polarized tunnelling in (Ga,Mn)As-based structures. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 32, 375-378.	1.3	19
120	PbTe – A new medium for quantum ballistic devices. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 34, 560-563.	1.3	21
121	Quantum nanostructures of paraelectric PbTe. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 35, 332-337.	1.3	9
122	Origin of ferromagnetism and nano-scale phase separations in diluted magnetic semiconductors. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 35, 293-299.	1.3	21
123	Two-phase structure of ultra-thin La _{1-x} Sr _x MnO films. Thin Solid Films, 2006, 515, 691-694.	0.8	9
124	Spintronics and Ferromagnetism in Wide-Band-Gap Semiconductors. ChemInform, 2006, 37, no.	0.1	0
125	Influence of band structure effects on domain-wall resistance in diluted ferromagnetic semiconductors. Physical Review B, 2006, 74, .	1.1	25
126	Control of coercivities in (Ga,Mn)As thin films by small concentrations of MnAs nanoclusters. Applied Physics Letters, 2006, 88, 022510.	1.5	41

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127	Magnitude and crystalline anisotropy of hole magnetization in(Ga,Mn)As. Physical Review B, 2006, 74, .	1.1	15
128	Velocity of Domain-Wall Motion Induced by Electrical Current in the Ferromagnetic Semiconductor (Ga,Mn)As. Physical Review Letters, 2006, 96, 096601.	2.9	218
129	SPIN FILTERS OF SEMICONDUCTOR NANOSTRUCTURES. , 2006, , .		0
130	Superconductor states of lead nanoinclusions in PbTe semiconductor matrix. , 2005, , .		0
131	Spin order manipulations in ferromagnetic semiconductor heterostructures. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 14-19.	1.0	6
132	Manipulation with Spin Ordering in Ferromagnetic Semiconductors. ChemInform, 2005, 36, no.	0.1	0
133	Spintronics And Ferromagnetism In Wide-Band-Gap Semiconductors. AIP Conference Proceedings, 2005, , .	0.3	14
134	Quantum Hall Ferromagnetism in Magnetic Heterostuctures and Wires. AIP Conference Proceedings, 2005, , .	0.3	1
135	Search For Hole Mediated Ferromagnetism In Cubic (Ga,Mn)N. AIP Conference Proceedings, 2005, , .	0.3	3
136	Ac conductivity and magneto-optical effects in the metallic (III,Mn)V ferromagnetic semiconductors from the infrared to visible range. AIP Conference Proceedings, 2005, , .	0.3	0
137	Magnetism in (Ga,Mn)As Thin Films With TC Up To 173K. AIP Conference Proceedings, 2005, , .	0.3	60
138	In-plane uniaxial anisotropy rotations in (Ga,Mn)As thin films. Physical Review B, 2005, 71, .	1.1	188
139	p-type conductivity in cubic (Ga,Mn)N thin films. Applied Physics Letters, 2005, 86, 152114.	1.5	34
140	Spin-related magnetoresistance of n-type ZnO:Al and Zn _{1-x} Mn _x O:Al thin films. Physical Review B, 2005, 72, .	1.1	130
141	Spin Reorientation Transition in Single-Domain(Ga,Mn)As. Physical Review Letters, 2005, 95, 217204.	2.9	133
142	Edmondset Al.Reply:. Physical Review Letters, 2005, 94, .	2.9	7
143	Monte Carlo Simulations of Ferromagnetism in p ⁻ Cd _{1-x} Mn _x Te Quantum Wells. Physical Review Letters, 2005, 94, 127201.	2.9	24
144	Disorder suppression and precise conductance quantization in constrictions of PbTe quantum wells. Physical Review B, 2005, 72, .	1.1	31

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145	Voltage-controlled spin injection in a (Ga,Mn)As/(Al,Ga)As Zener diode. <i>Physical Review B</i> , 2005, 72, .	1.1	35
146	Magnetic, Structural, and Optical Properties of Low Temperature ZnMnO Grown by Atomic Layer Epitaxy. <i>Acta Physica Polonica A</i> , 2005, 108, 915-921.	0.2	6
147	Low-Temperature Properties of Materials. , 2005, , 172-177.		0
148	Manipulation with spin ordering in ferromagnetic semiconductors. <i>Brazilian Journal of Physics</i> , 2004, 34, 560-562.	0.7	2
149	Spin Filtering in a Hybrid Ferromagnetic-Semiconductor Microstructure. <i>Physical Review Letters</i> , 2004, 93, 246601.	2.9	43
150	High-field magnetoresistance of Fe ²⁺ /GaAs ²⁺ /Fe tunnel junctions. <i>Journal of Applied Physics</i> , 2004, 96, 2400-2402.	1.1	13
151	Influence of bulk inversion asymmetry on the Datta-Das transistor. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 21, 951-955.	1.3	2
152	Quantum Hall ferromagnetism in II-VI based alloys. <i>Physica Status Solidi (B): Basic Research</i> , 2004, 241, 712-717.	0.7	1
153	Spin Order Manipulations in Nanostructures of II-VI Ferromagnetic Semiconductors. <i>ChemInform</i> , 2004, 35, no.	0.1	0
154	Determination of hole-induced ferromagnetic exchange between nearest-neighbor Mn spins in p-type Zn ¹⁺ Mn Te. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, E1545-E1546.	1.0	0
155	Spin order manipulations in nanostructures of II-VI ferromagnetic semiconductors. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 1969-1973.	1.0	22
156	Ballistic transport in PbTe-based nanostructures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 20, 236-245.	1.3	17
157	Unidirectional transmission of electrons in a magnetic field gradient. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 21, 451-455.	1.3	4
158	Magnetotransport properties of metallic (Ga,Mn)As films with compressive and tensile strain. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 21, 1032-1036.	1.3	120
159	Determination of hole-induced ferromagnetic Mn-Mn exchange in p-type Zn ¹⁺ xMnxTe by inelastic neutron scattering. <i>Physica B: Condensed Matter</i> , 2004, 350, 36-39.	1.3	3
160	Magnetic anisotropy and domain structure in carrier-controlled ferromagnetic semiconductors. <i>Journal of Physics Condensed Matter</i> , 2004, 16, S5471-S5479.	0.7	16
161	Influence of the Mn interstitial on the magnetic and transport properties of (Ga,Mn)As. <i>Journal of Applied Physics</i> , 2004, 95, 6512-6514.	1.1	66
162	Temperature dependent magnetic anisotropy in (Ga,Mn)As layers. <i>Physical Review B</i> , 2004, 70, .	1.1	155

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163	Mn Interstitial Diffusion in (Ga,Mn)As. <i>Physical Review Letters</i> , 2004, 92, 037201.	2.9	476
164	Spintronics in Nitrides. <i>Materials Research Society Symposia Proceedings</i> , 2004, 831, 684.	0.1	1
165	Optical properties of metallic (III, Mn)V ferromagnetic semiconductors in the infrared to visible range. <i>Physical Review B</i> , 2004, 70, .	1.1	26
166	Quantum Hall ferromagnet in magnetically-doped quantum wells. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 22, 76-81.	1.3	0
167	Experimental Investigation of Ferromagnetism in II-VI Disordered Semiconducting Compounds. <i>Journal of Superconductivity and Novel Magnetism</i> , 2003, 16, 147-150.	0.5	1
168	Ferromagnetism in (Zn,Cr)Se Layers Grown by Molecular Beam Epitaxy. <i>Journal of Superconductivity and Novel Magnetism</i> , 2003, 16, 55-58.	0.5	31
169	Control of Magnetic Properties in (Cd,Mn)Te Quantum Wells Inserted in Pin Diodes. <i>Journal of Superconductivity and Novel Magnetism</i> , 2003, 16, 163-166.	0.5	1
170	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.	0.5	42
171	Ferromagnetism in II-VI-Based Semiconductor Structures. <i>ChemInform</i> , 2003, 34, no-no.	0.1	0
172	III-V Ferromagnetic Semiconductors. <i>ChemInform</i> , 2003, 34, no.	0.1	4
173	Spin degree of freedom in ferromagnetic semiconductor heterostructures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003, 16, 104-110.	1.3	6
174	Nitrides as spintronic materials. <i>Physica Status Solidi (B): Basic Research</i> , 2003, 240, 433-439.	0.7	32
175	Functional ferromagnets. <i>Nature Materials</i> , 2003, 2, 646-648.	13.3	169
176	Ferromagnetic III-V and II-VI Semiconductors. <i>MRS Bulletin</i> , 2003, 28, 714-719.	1.7	101
177	Effect of bulk inversion asymmetry on the Datta-Das transistor. <i>Physical Review B</i> , 2003, 68, .	1.1	38
178	Probing Hole-Induced Ferromagnetic Exchange in Magnetic Semiconductors by Inelastic Neutron Scattering. <i>Physical Review Letters</i> , 2003, 91, 087205.	2.9	54
179	Mn-based ferromagnetic semiconductors. , 2003, 4999, 19.		0
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