

Tomasz Dietl

List of Publications by Year in descending order

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322
papers

21,791
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19136

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145
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343
all docs

343
docs citations

343
times ranked

8960
citing authors

#	ARTICLE	IF	CITATIONS
1	Electric-field manipulation of magnetization in an insulating dilute ferromagnet through piezoelectromagnetic coupling. Communications Materials, 2025, 6, .	9.0	0
2	CdTe and HgTe doped with V, Cr, and Mn: Prospects for the quantum anomalous Hall effect. Physical Review B, 2024, 110, .	3.2	1
3	Tight-binding theory of spin-spin interactions, Curie temperatures, and quantum Hall effects in topological (Hg,Cr)Te in comparison to nontopological (Zn,Cr)Te and (Ga,Mn)N. Physical Review B, 2024, 110, .	3.2	2
4	Effects of Charge Dopants in Quantum Spin Hall Materials. Physical Review Letters, 2023, 130, .	7.8	11
5	Quantitative theory of backscattering in topological HgTe and (Hg,Mn)Te quantum wells: Acceptor states, Kondo effect, precessional dephasing, and bound magnetic polaron. Physical Review B, 2023, 107, .	3.2	8
6	$\langle \text{EuCd}_{1-x}\text{Mn}_x \rangle$: A Magnetic Semiconductor. Physical Review Letters, 2023, 131, .	3.1	1
7	Topological states in superlattices of HgTe class of materials for engineering three-dimensional flat bands. Physical Review Research, 2022, 4, .	3.8	15
8	Electronic and optical properties of $\text{InAs}/\text{InAs}_{0.625}\text{Sb}_{0.375}$ superlattices and their application for far-infrared detectors. Journal Physics D: Applied Physics, 2022, 55, 495301.	3.1	20
9	Dilute Magnetic Materials. , 2021, , 1-56.		2
10	Momentum-resolved spin splitting in Mn-doped trivial CdTe and topological HgTe semiconductors. Physical Review B, 2021, 103, .	3.2	19
11	From Narrow-Gap and Semimagnetic Semiconductors to Spintronics and Topological Matter: A Life with Spins. Acta Physica Polonica A, 2021, 139, 355-376.	0.4	2
12	From Narrow-Gap and Semimagnetic Semiconductors to Spintronics and Topological Matter: A Life with Spins. Acta Physica Polonica A, 2021, 139, 355-376.	0.4	0
13	Realization of the Chern-insulator and axion-insulator phases in antiferromagnetic MnTe	3.2	9
14	Signatures of dephasing by mirror-symmetry breaking in weak-antilocalization magnetoresistance across the topological transition in $\text{Pb}_{1-x}\text{Sn}_x\text{Se}$	3.2	9
15	Dilute Magnetic Materials. , 2021, , 923-978.		0
16	Superexchange dominates in magnetic topological insulators. Physical Review B, 2021, 104, .	3.2	16
17	Magnetic-field-induced topological phase transition in Fe-doped $\text{S}_{1-x}\text{e}_x\text{Te}_{1-3x}$ heterostructures. Physical Review Materials, 2020, 4, .	2.7	16
18	Families of magnetic semiconductors "an overview. Journal of Semiconductors, 2019, 40, 080301.	3.7	54

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19	Experimental search for the origin of low-energy modes in topological materials. <i>Physical Review B</i> , 2019, 100, .	3.2	16
20	Magneto-transport in inverted HgTe quantum wells. <i>Npj Quantum Materials</i> , 2019, 4, .	5.8	16
21	Gating effects in antiferromagnetic CuMnAs. <i>AIP Advances</i> , 2019, 9, .	1.3	3
22	Cubic anisotropy in (Ga,Mn)As layers: Experiment and theory. <i>Physical Review B</i> , 2018, 97, .	3.2	19
23	Thermodynamic perturbation theory for noninteracting quantum particles with application to spin-spin interactions in solids. <i>Physical Review B</i> , 2018, 98, .	3.2	4
24	Nematicity of correlated systems driven by anisotropic chemical phase separation. <i>Physical Review Materials</i> , 2018, 2, .	2.7	12
25	Hydrostatic-pressure-induced changes of magnetic anisotropy in (Ga, Mn)As thin films. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 115805.	2.2	4
26	Interplay between localization and magnetism in (Ga,Mn)As and (In,Mn)As. <i>Physical Review Materials</i> , 2017, 1, .	2.7	28
27	Conductance oscillations in quantum point contacts of InAs/GaSb heterostructures. <i>Physical Review B</i> , 2016, 93, .	3.2	8
28	Stretching magnetism with an electric field in a nitride semiconductor. <i>Nature Communications</i> , 2016, 7, .	14.1	37
29	Two-Probe Measurements of Electron Transport in GaN:Si/(Ga,Mn)N/GaN:Si Spin Filter Structures. <i>Acta Physica Polonica A</i> , 2016, 130, 1196-1198.	0.4	2
30	Spin dynamics of a confined electron interacting with magnetic or nuclear spins: A semiclassical approach. <i>Physical Review B</i> , 2015, 91, .	3.2	13
31	(Ga,Mn)As under pressure: A first-principles investigation. <i>Physical Review B</i> , 2015, 91, .	3.2	16
32	Upper bound for the $\int_{-\infty}^{\infty} d\omega \text{Im}[\chi(\omega)]$ integral in $(\text{Ga,Mn})\text{N:Si}$ from magnetotransport studies. <i>Physical Review B</i> , 2015, 91, .	3.2	10
33	Spinodal nanodecomposition in semiconductors doped with transition metals. <i>Reviews of Modern Physics</i> , 2015, 87, 1311-1377.	40.5	154
34	Ferromagnetic resonance of Py deposited on ZnO grown by molecular beam epitaxy. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 093001.	2.0	4
35	Theory of ferromagnetism driven by superexchange in dilute magnetic semi-conductors. <i>EPJ Web of Conferences</i> , 2014, 75, 01003.	0.3	15
36	Orbital magnetization in dilute ferromagnetic semiconductors. <i>Physical Review B</i> , 2014, 90, .	3.2	4

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37	Dilute ferromagnetic semiconductors: Physics and spintronic structures. Reviews of Modern Physics, 2014, 86, 187-251.	40.5	809
38	Experimental determination of Rashba spin-orbit coupling in wurtzite GaN:Si . Physical Review B, 2014, 89, .	3.2	28
39	Modification of Emission Properties of ZnO Layers due to Plasmonic Near-Field Coupling to Ag Nanoislands. Plasmonics, 2013, 8, 913-919.	4.0	7
40	Homogeneous and heterogeneous magnetism in $(\text{Zn},\text{Co})\text{O}$: From a random antiferromagnet to a dipolar superferromagnet by changing the growth temperature. Physical Review B, 2013, 88, .	3.2	46
41	Nonlocal resistance and its fluctuations in microstructures of band-inverted $\text{HgTe}/(\text{Hg},\text{Cd})\text{Te}$ quantum wells. Physical Review B, 2013, 88, .	3.2	45
42	Manipulating Mn^{2+} cation complexes to control the charge- and spin-state of Mn in GaN. Scientific Reports, 2012, 2, .	3.7	43
43	Element-specific characterization of heterogeneous magnetism in $(\text{Ga},\text{Fe})\text{N}$ films. Physical Review B, 2012, 85, .	3.2	12
44	Origin of low-temperature magnetic ordering in GaMnN . Physical Review B, 2012, 85, .	3.2	15
45	Origin of Bulk Uniaxial Anisotropy in Zinc-Blende Dilute Magnetic Semiconductors. Physical Review Letters, 2012, 108, .	7.8	54
46	Fe-Mg interplay and the effect of deposition mode in $(\text{Ga},\text{Fe})\text{N}$ doped with Mg. Physical Review B, 2011, 84, .	3.2	21
47	Experimental probing of exchange interactions between localized spins in the dilute magnetic insulator $(\text{Ga},\text{Mn})\text{N}$. Physical Review B, 2011, 84, .	3.2	64
48	Aggregation and magnetism of Cr, Mn, and Fe cations in GaN. Physical Review B, 2011, 83, .	3.2	59
49	Influence of p - d hybridization on the magnetic properties of GaMnN . Physical Review B, 2011, 83, .	3.2	26
50	Aberration-corrected electron microscopy of MnAs and As nanocrystals and voids in annealed $(\text{Ga},\text{Mn})\text{As}$. Journal of Physics: Conference Series, 2011, 326, 012018.	0.4	1
51	Thermodynamic and thermoelectric properties of $(\text{Ga},\text{Mn})\text{As}$ and related compounds. Physical Review B, 2011, 83, .	3.2	10
52	Formation process and superparamagnetic properties of $(\text{Mn},\text{Ga})\text{As}$ nanocrystals in GaAs fabricated by annealing of $(\text{Ga},\text{Mn})\text{As}$ layers with low Mn content. Physical Review B, 2011, 84, .	3.2	26
53	Properties and Characterization of ALD Grown Dielectric Oxides for MIS Structures. Acta Physica Polonica A, 2011, 119, 692-695.	0.4	25
54	Magneto-optical Properties of $(\text{Ga},\text{Fe})\text{N}$ Layers. Acta Physica Polonica A, 2011, 120, 921-923.	0.4	1

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91	Semiconductor Spintronics. , 2007, , 1-46.		22
92	Diluted Ferromagnetic Semiconductorsâ€™ Theoretical Aspects. , 2007, , .		4
93	Origin of ferromagnetic response in diluted magnetic semiconductors and oxides. Journal of Physics Condensed Matter, 2007, 19, 165204.	2.2	115
94	Character of states near the Fermi level in (Ga,Mn)As: Impurity to valence band crossover. Physical Review B, 2007, 76, .	3.2	137
95	Paramagnetic GaN:Fe and ferromagnetic (Ga,Fe)N: The relationship between structural, electronic, and magnetic properties. Physical Review B, 2007, 75, .	3.2	110
96	Theory of Spin Transport Across Domain-Walls in (Ga,Mn)As. AIP Conference Proceedings, 2007, , .	0.1	0
97	Domain wall resistance in perpendicularly magnetized (Ga,Mn)As. Journal of Magnetism and Magnetic Materials, 2007, 310, 2078-2083.	2.8	5
98	Coercivity enlargement in (Ga,Mn)As thin films with small amount of MnAs nanoclusters. Journal of Magnetism and Magnetic Materials, 2007, 310, 2126-2128.	2.8	6
99	Origin and control of high-temperature ferromagnetism in semiconductors. Nature Materials, 2007, 6, 440-446.	20.9	317
100	Ferromagnetic Semiconductor Heterostructures for Spintronics. IEEE Transactions on Electron Devices, 2007, 54, 945-954.	3.3	24
101	High Temperature Ferromagnetism and Nano-Scale Phase Separations in Diluted Magnetic Semiconductors and Oxides. Acta Physica Polonica A, 2007, 111, 27-46.	0.4	16
102	Domain-Wall Resistance in Ferromagnetic (Ga,Mn)As. Physical Review Letters, 2006, 96, .	7.8	63
103	Engineering magnetism in semiconductors. Materials Today, 2006, 9, 18-26.	12.7	71
104	Self-organized growth controlled by charge states of magnetic impurities. Nature Materials, 2006, 5, 673-673.	20.9	107
105	Magnetic properties of a new spintronic materialâ€™ GaN:Fe. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 126, 222-225.	4.3	29
106	Tight-binding model of spin-polarized tunnelling in (Ga,Mn)As-based structures. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 32, 375-378.	2.8	18
107	PbTeâ€™ A new medium for quantum ballistic devices. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 34, 560-563.	2.8	18
108	Quantum nanostructures of paraelectric PbTe. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 35, 332-337.	2.8	7

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109	Origin of ferromagnetism and nano-scale phase separations in diluted magnetic semiconductors. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 35, 293-299.	2.8	21
110	Two-phase structure of ultra-thin La ²⁺ /Sr ²⁺ /MnO films. Thin Solid Films, 2006, 515, 691-694.	1.9	9
111	Influence of band structure effects on domain-wall resistance in diluted ferromagnetic semiconductors. Physical Review B, 2006, 74, .	3.2	24
112	Magnitude and crystalline anisotropy of hole magnetization in(Ga,Mn)As. Physical Review B, 2006, 74, .	3.2	15
113	Velocity of Domain-Wall Motion Induced by Electrical Current in the Ferromagnetic Semiconductor (Ga,Mn)As. Physical Review Letters, 2006, 96, .	7.8	213
114	SPIN FILTERS OF SEMICONDUCTOR NANOSTRUCTURES. , 2006, , .		0
115	Spintronics in Nitrides. Materials Research Society Symposia Proceedings, 2005, 831, .	0.1	1
116	Superconductor states of lead nanoinclusions in PbTe semiconductor matrix. , 2005, , .		0
117	Spin order manipulations in ferromagnetic semiconductor heterostructures. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 14-19.	2.8	7
118	Spintronics And Ferromagnetism In Wide-Band-Gap Semiconductors. AIP Conference Proceedings, 2005, , .	0.1	13
119	In-plane uniaxial anisotropy rotations in (Ga,Mn)As thin films. Physical Review B, 2005, 71, .	3.2	188
120	Spin-related magnetoresistance of n-type ZnO:Al and Zn _{1-x} Mn _x O:Al thin films. Physical Review B, 2005, 72, .	3.2	131
121	Spin Reorientation Transition in Single-Domain(Ga,Mn)As. Physical Review Letters, 2005, 95, .	7.8	132
122	Edmondset Al.Reply:. Physical Review Letters, 2005, 94, .	7.8	7
123	Monte Carlo Simulations of Ferromagnetism in p ⁻ Cd _{1-x} Mn _x Te Quantum Wells. Physical Review Letters, 2005, 94, .	7.8	24
124	Disorder suppression and precise conductance quantization in constrictions of PbTe quantum wells. Physical Review B, 2005, 72, .	3.2	28
125	Voltage-controlled spin injection in a(Ga,Mn)As ⁺ (Al,Ga)As Zener diode. Physical Review B, 2005, 72, .	3.2	35
126	Magnetic, Structural, and Optical Properties of Low Temperature ZnMnO Grown by Atomic Layer Epitaxy. Acta Physica Polonica A, 2005, 108, 915-921.	0.4	6

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127	Low-Temperature Properties of Materials. , 2005, , 172-177.		0
128	Influence of an acceptor state on transport in zero-gap Hg $_{1-x}$ Mn $_x$ Te. , 2005, , 382-385.		2
129	Manipulation with spin ordering in ferromagnetic semiconductors. Brazilian Journal of Physics, 2004, 34, 560-562.	1.5	1
130	Spin Filtering in a Hybrid Ferromagnetic-Semiconductor Microstructure. Physical Review Letters, 2004, 93, .	7.8	48
131	Influence of bulk inversion asymmetry on the Dattaâ€Das transistor. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 21, 951-955.	2.8	2
132	Determination of hole-induced ferromagnetic exchange between nearest-neighbor Mn spins in p-type Zn $_{1-x}$ Mn $_x$ Te. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1545-E1546.	2.8	0
133	Spin order manipulations in nanostructures of IIâ€VI ferromagnetic semiconductors. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1969-1973.	2.8	21
134	Ballistic transport in PbTe-based nanostructures. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 20, 236-245.	2.8	16
135	Unidirectional transmission of electrons in a magnetic field gradient. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 21, 451-455.	2.8	4
136	Magnetotransport properties of metallic (Ga,Mn)As films with compressive and tensile strain. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 21, 1032-1036.	2.8	117
137	Determination of hole-induced ferromagnetic Mnâ€Mn exchange in p-type Zn $_{1-x}$ Mn $_x$ Te by inelastic neutron scattering. Physica B: Condensed Matter, 2004, 350, 36-39.	2.8	3
138	Magnetic anisotropy and domain structure in carrier-controlled ferromagnetic semiconductors. Journal of Physics Condensed Matter, 2004, 16, S5471-S5479.	2.2	12
139	Temperature dependent magnetic anisotropy in (Ga,Mn)As layers. Physical Review B, 2004, 70, .	3.2	151
140	Mn Interstitial Diffusion in(Ga,Mn)As. Physical Review Letters, 2004, 92, .	7.8	470
141	Optical properties of metallic (III, Mn)V ferromagnetic semiconductors in the infrared to visible range. Physical Review B, 2004, 70, .	3.2	26
142	Quantum Hall ferromagnet in magnetically-doped quantum wells. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 22, 76-81.	2.8	0
143	Title is missing!. Journal of Superconductivity and Novel Magnetism, 2003, 16, 147-150.	0.0	1
144	Title is missing!. Journal of Superconductivity and Novel Magnetism, 2003, 16, 55-58.	0.0	30

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145	Title is missing!. Journal of Superconductivity and Novel Magnetism, 2003, 16, 163-166.	0.0	1
146	Nitrides as spintronic materials. Physica Status Solidi (B): Basic Research, 2003, 240, 433-439.	1.5	31
147	Functional ferromagnets. Nature Materials, 2003, 2, 646-648.	20.9	172
148	III-V and II-VI Mn-Based Ferromagnetic Semiconductors. Advances in Solid State Physics, 2003, , 413-426.	0.0	9
149	Ferromagnetic III-V and II-VI Semiconductors. MRS Bulletin, 2003, 28, 714-719.	4.4	103
150	Effect of bulk inversion asymmetry on the Datta-Das transistor. Physical Review B, 2003, 68, .	3.2	38
151	Probing Hole-Induced Ferromagnetic Exchange in Magnetic Semiconductors by Inelastic Neutron Scattering. Physical Review Letters, 2003, 91, .	7.8	51
152	Mn-based ferromagnetic semiconductors. , 2003, , .		1
153	Resistance noise study in a dirty quantum Hall ferromagnet. , 2003, , .		0
154	Ferromagnetic semiconductor heterostructures. Europhysics News, 2003, 34, 216-219.	0.4	7
155	Hall Effect and Magnetoresistance in P-Type Ferromagnetic Semiconductors. , 2003, , 197-210.		10
156	Quantum Hall Ferromagnet in Magnetically-Doped Quantum Wells. Acta Physica Polonica A, 2003, 104, 93-102.	0.4	0
157	Kinetic Exchange Vs. Room Temperature Ferromagnetism in Diluted Magnetic Semiconductors. Materials Research Society Symposia Proceedings, 2002, 690, .	0.1	10
158	Transparent ZnO-Based Ohmic Contact to p-GaN. Materials Research Society Symposia Proceedings, 2002, 693, .	0.1	3
159	Light and Electric Field Control of Ferromagnetism in Magnetic Quantum Structures. Physical Review Letters, 2002, 88, .	7.8	167
160	Ising Quantum Hall Ferromagnet in Magnetically Doped Quantum Wells. Physical Review Letters, 2002, 89, .	7.8	68
161	chapter 1 III-V Ferromagnetic Semiconductors. Handbook of Magnetic Materials, 2002, , 1-87.	0.0	111
162	Ferromagnetism of magnetic semiconductors: Zhang-Rice limit. Physical Review B, 2002, 66, .	3.2	79

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163	Ferromagnetic semiconductors. <i>Semiconductor Science and Technology</i> , 2002, 17, 377-392.	2.3	666
164	Light controlled and probed ferromagnetism of (Cd,Mn)Te quantum wells. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002, 12, 344-350.	2.8	18
165	Effects of spin polarization on electron transport in modulation-doped Cd _{1-x} MnxTe/Cd _{1-y} MgyTe: I heterostructures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002, 12, 361-365.	2.8	6
166	Ferromagnetism in II-VI-based semiconductor structures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002, 13, 489-494.	2.8	10
167	Spin alignment of electrons in PbTe/(Pb,Eu)Te nanostructures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002, 13, 649-652.	2.8	17
168	Control of Ferromagnetism in Cd _{1-x} Mn _x Te Based Quantum Wells. <i>Acta Physica Polonica A</i> , 2002, 102, 603-608.	0.4	0
169	Hole-mediated ferromagnetism in tetrahedrally coordinated semiconductors. <i>Physical Review B</i> , 2001, 63, .	3.2	1,429
170	Magnetic domains in III-V magnetic semiconductors. <i>Physical Review B</i> , 2001, 64, .	3.2	87
171	Applications of II-VI diluted magnetic semiconductors for magneto-electronics. <i>Solid State Communications</i> , 2001, 119, 237-244.	2.3	36
172	Mesoscopic phenomena in diluted magnetic semiconductors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2001, 84, 81-87.	4.3	1
173	Ferromagnetism in III-V and II-VI semiconductor structures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2001, 9, 185-193.	2.8	65
174	2D and 1D electron transport in hybrid ferromagnetic semiconductor microstructures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2001, 10, 91-96.	2.8	14
175	Tailoring spin ordering in magnetic semiconductors. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2001, 10, 120-129.	2.8	16
176	Spin Polarization Dependent Far Infrared Absorption in Ga _{1-x} Mn _x As. <i>Japanese Journal of Applied Physics</i> , 2001, 40, 6231-6234.	2.0	44
177	Ferromagnetic interactions in doped semiconductors and their nanostructures (invited). <i>Journal of Applied Physics</i> , 2001, 89, 7437-7442.	2.3	58
178	Carrier-induced ferromagnetism in Zn _{1-x} Mn _x Te. <i>Physical Review B</i> , 2001, 63, .	3.2	216
179	Why Ferromagnetic Semiconductors?. <i>Acta Physica Polonica A</i> , 2001, 100, 139-151.	0.4	36
180	Ferromagnetism in II-VI Based Semiconductor Structures. <i>Acta Physica Polonica A</i> , 2001, 100, 227-236.	0.4	0

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181	Conductance Noise and Irreversibility in Diluted Magnetic Semiconductors. , 2001, , 63-72.		0
182	Carrier-induced ferromagnetic interactions in p-doped Zn(1-x)MnxTe epilayers. Journal of Crystal Growth, 2000, 214-215, 387-390.	2.0	56
183	Quantum Hall effect in the highly spin-polarized electron system. Physica B: Condensed Matter, 2000, 280, 378-379.	2.8	1
184	Indication of ferromagnetic ordering in p-Zn1-xMnxTe. Physica B: Condensed Matter, 2000, 284-288, 1177-1178.	2.8	16
185	Ferromagnetism induced by free carriers in p-type structures of diluted magnetic semiconductors. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 7, 967-975.	2.8	17
186	Ordered magnetic phase in Cd1-xMnxTe/Cd1-yzMgyZnzTe:N heterostructures: magneto-optical studies. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 6, 709-712.	2.8	46
187	Temperature and size scaling of the QHE resistance: the case of large spin splitting. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 6, 790-793.	2.8	15
188	Zener Model Description of Ferromagnetism in Zinc-Blende Magnetic Semiconductors. Science, 2000, 287, 1019-1022.	38.2	7,322
189	Magneto-optical Studies of Magnetic Ordering in Modulation Doped Quantum Well of Cd1-xMnxTe. , 2000, , 225-235.		1
190	Quantum ballistic transport in constrictions of n-PbTe. Physical Review B, 1999, 60, R5133-R5136.	3.2	20
191	Electron localization in n-Pb1-xEuxTe. Physical Review B, 1999, 59, 12983-12990.	3.2	33
192	Carrier-mediated ferromagnetic interactions in structures of magnetic semiconductors. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1999, 63, 103-110.	4.3	33
193	Ferromagnetic transition in II-VI semimagnetic QWs. Journal of Crystal Growth, 1999, 201-202, 670-673.	2.0	3
194	Realistic electron-electron interaction in a quantum wire. Physical Review B, 1999, 60, 1507-1510.	3.2	8
195	Magnetic tuning of reflectivity in CdMnTe/CdZnMgTe excitonic Bragg structures. Journal of Crystal Growth, 1998, 184-185, 768-772.	2.0	1
196	Confinement effects in semimagnetic semiconductors. Journal of Crystal Growth, 1998, 184-185, 890-897.	2.0	0
197	Ferromagnetic transition induced by a two-dimensional hole gas in a semimagnetic quantum well. Journal of Crystal Growth, 1998, 184-185, 898-902.	2.0	4
198	Phase states and magnetic structure of superconducting lead inclusions in a narrow-gap PbTe semiconducting host. Semiconductors, 1998, 32, 700-703.	0.6	6

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199	Interaction effects at the magnetic-field induced metal-insulator transition in Si/SiGe superlattices. Solid State Communications, 1998, 106, 157-161.	2.3	1
200	Ferromagnetic transition induced by a two-dimensional hole gas in semimagnetic quantum wells. Physica E: Low-Dimensional Systems and Nanostructures, 1998, 3, 169-178.	2.8	2
201	Probing spin dynamics by conductance fluctuations and noise in mesoscopic spin-glass. Physica B: Condensed Matter, 1998, 249-251, 500-503.	2.8	3
202	Magnetic-field induced metal-insulator transition due to spin effects in Si/SiGe superlattices. Physica B: Condensed Matter, 1998, 249-251, 895-899.	2.8	0
203	Conductance noise of submicron wires in the regime of quantum Hall effect. Physica B: Condensed Matter, 1998, 256-258, 69-73.	2.8	4
204	Comment on "HgSe: Metal or Semiconductor?". Physical Review Letters, 1998, 81, 1535-1535.	7.8	19
205	Transport and tunneling within a compressible electron liquid in wires and rings of GaAs/AlxGa1-x heterostructures. Physical Review B, 1998, 58, 16252-16261.	3.2	6
206	Magnetoconductance Noise and Irreversibilities in Submicron Wires of Spin-Glass Cd _{1-x} MnxTe. Physical Review Letters, 1998, 80, 5635-5638.	7.8	46
207	From Magnetic Polarons to Ferromagnetism. Acta Physica Polonica A, 1998, 94, 111-123.	0.4	6
208	Confinement effects in semimagnetic semiconductors. Journal of Crystal Growth, 1998, 184-185, 890-897.	2.0	0
209	Observation of a Ferromagnetic Transition Induced by Two-Dimensional Hole Gas in Modulation-Doped CdMnTe Quantum Wells. Physical Review Letters, 1997, 79, 511-514.	7.8	358
210	Magnetic tuning in excitonic Bragg structures of (Cd,Mn)Te/(Cd,Zn,Mg)Te. Physical Review B, 1997, 56, R1664-R1667.	3.2	32
211	Free carrier-induced ferromagnetism in structures of diluted magnetic semiconductors. Physical Review B, 1997, 55, R3347-R3350.	3.2	404
212	Fabrication and magnetoconductance studies on submicron wires and films of MBE grown CdTe:In. Thin Solid Films, 1997, 306, 291-295.	1.9	3
213	Conductance anomalies in strained quantum wires: the case of PbSe and PbTe. Superlattices and Microstructures, 1997, 22, 51-55.	5.1	6
214	Magnetization Steps in Cd _{1-x} MnxTe Observed in Coherent Transport. Acta Physica Polonica A, 1997, 92, 797-800.	0.4	3
215	Influence of Magnetic Impurities upon Universal conductance Fluctuations. Acta Physica Polonica A, 1997, 91, 161-171.	0.4	1
216	Effects of Ballistic Transport in Wires of n-PbTe. Acta Physica Polonica A, 1997, 92, 789-792.	0.4	0

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217	Conductance fluctuations in nanostructures of doped CdTe and Cd _{1-x} MnxTe epilayers. Surface Science, 1996, 361-362, 718-721.	1.7	0
218	Mesoscopic phenomena in semimagnetic semiconductors. , 1996, , .		0
219	Dimensionality crossover in spin glass of Cd _{0.50} Mn _{0.50} Te thin films. European Physical Journal D, 1996, 46, 1933-1934.	0.4	0
220	Metal-insulator transition in Sb-doped short period superlattices. Solid-State Electronics, 1996, 40, 47-51.	1.4	1
221	Polariton effects in multiple-quantum-well structures of CdTe/Cd _{1-x} ZnxTe. Physical Review B, 1996, 54, 14003-14011.	3.2	74
222	Influence of s-d Exchange Interaction on Universal Conductance Fluctuations in Cd _{1-x} MnxTe: In. Physical Review Letters, 1996, 76, 1556-1556.	7.8	4
223	Universal conductance fluctuations in submicron wires of. Semiconductor Science and Technology, 1996, 11, 1618-1623.	2.3	5
224	Metal - insulator transition in Sb-doped short-period Si/SiGe superlattices. Semiconductor Science and Technology, 1996, 11, 1624-1629.	2.3	9
225	Conductance Anomalies in Strained Quantum Wires: the Case of PbSe and PbTe. Acta Physica Polonica A, 1996, 90, 797-800.	0.4	1
226	Search for Dimensionality Crossover of Spin-Glass Freezing in Superlattices of Cd _{0.50} Mn _{0.50} Te/CdTe. Acta Physica Polonica A, 1996, 90, 919-922.	0.4	6
227	Dimensional Crossovers in Magnetoresistance of Submicron Films and Wires of CdTe:In. Acta Physica Polonica A, 1996, 90, 1027-1031.	0.4	0
228	Polaritons in large-period multiple quantum wells. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1995, 17, 1441-1446.	0.0	3
229	Formation dynamics of magnetic polarons. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 2051-2052.	2.8	1
230	Electron-Phonon Interaction in the Transport Properties of Quantum Wires. Europhysics Letters, 1995, 29, 481-487.	2.1	6
231	Ultrahigh-magnetic-field cyclotron resonance in a two-dimensional electron gas at the grain boundary of Hg _{1-x} CdxMnyTe. Physical Review B, 1995, 52, 16588-16592.	3.2	1
232	Influence of s-d Exchange Interaction on Universal Conductance Fluctuations in Cd _{1-x} MnxTe:In. Physical Review Letters, 1995, 75, 3170-3173.	7.8	39
233	Magnetoconductance fluctuations in mesoscopic spin glasses. Physical Review B, 1995, 51, 8939-8945.	3.2	5
234	Mesoscopic Phenomena in Microstructures of IV-VI Epilayers. Japanese Journal of Applied Physics, 1995, 34, 4433-4435.	2.0	2

#	ARTICLE	IF	CITATIONS
235	Formation Dynamics of Magnetic Polarons. Materials Science Forum, 1995, 182-184, 515-518.	0.4	0
236	Exchange Interaction in HgCdMnTe. Materials Science Forum, 1995, 182-184, 653-656.	0.4	0
237	Influence of Bound Magnetic Polarons on Magnetic Properties of Metallic $n\text{-Cd}_{0.95}\text{Mn}_{0.05}\text{Se}$. Materials Science Forum, 1995, 182-184, 543-544.	0.4	0
238	Magnetic Characterization of MBE Grown $\text{Cd}_{1-x}\text{Mn}_x\text{Te}$ Structures. Materials Science Forum, 1995, 182-184, 685-686.	0.4	2
239	Dynamics of Spin Organization in Diluted Magnetic Semiconductors. Physical Review Letters, 1995, 74, 474-477.	7.8	113
240	Magnetic Characterization of Molecular Beam Epitaxy Grown $\text{Cd}_{1-x}\text{Mn}_x\text{Te}$ Structures. Acta Physica Polonica A, 1995, 87, 169-172.	0.4	2
241	Conductance Fluctuations in Quantum Wires of $n\text{-CdTe}$ and $n\text{-Cd}_{1-x}\text{Mn}_x\text{Te}$. Acta Physica Polonica A, 1995, 88, 1000-1004.	0.4	1
242	Search for Dimensional Effects in Spin-Glass Transition in Thin $\text{Cd}_{1-x}\text{Mn}_x\text{Te}$ Multilayers. Acta Physica Polonica A, 1995, 88, 1038-1042.	0.4	3
243	Electron Localization in Sb-Doped Si/SiGe Superlattices. Acta Physica Polonica A, 1995, 88, 699-702.	0.4	1
244	Influence of Bound Magnetic Polarons on Magnetic and Electrical Properties in Metallic $n\text{-Cd}_{0.95}\text{Mn}_{0.05}\text{Se}$. Acta Physica Polonica A, 1995, 87, 173-175.	0.4	0
245	Formation Time of Magnetic Polarons. Acta Physica Polonica A, 1995, 87, 361-364.	0.4	0
246	Electrical and Structural Properties of Ohmic Contacts to n-Type and High Resistivity CdTe. Acta Physica Polonica A, 1995, 87, 411-414.	0.4	0
247	Megagauss Cyclotron Resonance and Quantum Hall Effect of 2D Electron Gas in HgCdMnTe. Acta Physica Polonica A, 1995, 88, 731-734.	0.4	0
248	Conductance Fluctuations in PbSe: Manifestation of Ballistic Transport in Macroscale?. Acta Physica Polonica A, 1995, 88, 727-730.	0.4	0
249	Resonant donors in semiconductors: Sc impurity in CdSe and $\text{Cd}_{1-x}\text{Mn}_x\text{Se}$. Physical Review B, 1994, 49, 7797-7800.	3.2	7
250	Mechanisms of exchange interactions between carriers and Mn or Eu spins in lead chalcogenides. Physical Review B, 1994, 49, 2230-2233.	3.2	52
251	Characterization of MBE grown $\text{Cd}_{1-x}\text{Mn}_x\text{Te}$ structures by SQUID magnetometry. Superlattices and Microstructures, 1994, 15, 475-478.	5.1	11
252	Temperature dependent localization in diluted magnetic semiconductors. Physica B: Condensed Matter, 1994, 194-196, 995-996.	2.8	21

#	ARTICLE	IF	CITATIONS
253	Second-harmonic generation in a spin-glass microstructure. <i>Physica B: Condensed Matter</i> , 1994, 194-196, 1107-1108.	2.8	5
254	AC susceptometer for spin-glass dynamics measurements. <i>Cryogenics</i> , 1994, 34, 429-432.	2.0	2
255	The influence of reduced dimensionality on the spin-splitting in GaAlAs/GaAs quantum wires. <i>Surface Science</i> , 1994, 305, 615-619.	1.7	12
256	Mesoscopic phenomena in a dilute magnetic semiconductor Hg _{1-x} Cd _y Mn _x Te. <i>Journal of Crystal Growth</i> , 1994, 138, 481-485.	2.0	0
257	Mesoscopic phenomena in diluted magnetic semiconductors. <i>Semiconductor Science and Technology</i> , 1993, 8, S141-S146.	2.3	9
258	Precision of the Hall quantization in a naturally occurring two-dimensional system-HgCdMnTe bicrystals. <i>Semiconductor Science and Technology</i> , 1993, 8, S95-S98.	2.3	13
259	Light-Controlled Transport in Doped Diluted Magnetic Semiconductors near Localization Boundary. <i>Acta Physica Polonica A</i> , 1993, 84, 657-660.	0.4	1
260	Second Harmonic Generation in Spin-Glass Microstructures and Fabrication of Microstructures in IV-VI Epilayers. <i>Acta Physica Polonica A</i> , 1993, 84, 781-784.	0.4	2
261	Wigner-Seitz approach to spin splitting. <i>Physical Review B</i> , 1992, 46, 9853-9856.	3.2	63
262	Magnetic field-induced metal-insulator transition in diluted magnetic semiconductors. <i>Physica B: Condensed Matter</i> , 1992, 177, 469-475.	2.8	10
263	Light-induced magnetization in Hg _{1-x} Cd _x Te. <i>Journal of Crystal Growth</i> , 1992, 117, 844-849.	2.0	1
264	The Ferromagnetic p-d Exchange in Diluted Magnetic Semiconductors. <i>Acta Physica Polonica A</i> , 1992, 82, 641-644.	0.4	12
265	s-p-d-f Exchange Interactions in Mn and Eu Based IV-VI Semimagnetic Semiconductors. <i>Acta Physica Polonica A</i> , 1992, 82, 729-732.	0.4	1
266	Precision of the Hall Quantization in Naturally Occurring Two-Dimensional System - HgCdMnTe Bicrystals. <i>Acta Physica Polonica A</i> , 1992, 82, 733-736.	0.4	0
267	Spin-flip scattering near the metal-to-insulator transition in Cd _{0.95} Mn _{0.05} Se:In. <i>Physical Review B</i> , 1991, 43, 3154-3163.	3.2	28
268	Universal conductance fluctuations in spin glasses. <i>Physical Review B</i> , 1991, 44, 12337-12347.	3.2	19
269	TRANSPORT PROPERTIES OF DILUTED MAGNETIC SEMICONDUCTORS. , 1991, , 141-192.		5
270	Conductivity Near the Metal-to-Insulator Transition in Cd _{1-x} Mn _x Se:Sc. <i>Acta Physica Polonica A</i> , 1991, 79, 389-392.	0.4	1

#	ARTICLE	IF	CITATIONS
271	Spatial Correlation of Impurity Charges Induced by Coulomb Interactions - Application to DX Centers in GaAs. Acta Physica Polonica A, 1991, 79, 49-58.	0.4	10
272	Conductance Fluctuations in Microstructures of HgCdMnTe Bicrystals. Acta Physica Polonica A, 1991, 80, 307-310.	0.4	6
273	Observation of Two-Dimensional Electron Gas in LPE-Grown GaInAs-InP Heterostructures. Acta Physica Polonica A, 1991, 80, 449-452.	0.4	2
274	Transport Phenomena in Semimagnetic Semiconductors. , 1991, , 83-119.		4
275	Millikelvin studies of mixed-valence HgSe:Fe. Journal of Low Temperature Physics, 1990, 80, 15-29.	1.3	13
276	Absence of resonant scattering in mixed valent Hg _{1-x} Fe _x Se. Physica B: Condensed Matter, 1990, 165-166, 219-220.	2.8	0
277	Inelastic-light-scattering in Cd _{0.95} Mn _{0.05} Se:In near the metal-to-insulator transition. Physica B: Condensed Matter, 1990, 165-166, 235-236.	2.8	0
278	Transport properties of II-VI semimagnetic semiconductors. Journal of Crystal Growth, 1990, 101, 808-817.	2.0	14
279	Resonant states in semiconductors: A quantitative study of HgSe:Fe. Solid State Communications, 1990, 74, 833-837.	2.3	45
280	Magnetic-field-induced electron localisation in narrow-gap semimagnetic Hg _{1-x} Mn _x Te. Semiconductor Science and Technology, 1990, 5, S299-S303.	2.3	4
281	Pressure dependence of electron concentration and mobility in GaAs:Si-effects of on-site and inter-site interactions within a system of DX centres. Semiconductor Science and Technology, 1990, 5, 261-264.	2.3	37
282	Correlation of donor electrons in diluted magnetic semiconductors with iron. Semiconductor Science and Technology, 1990, 5, S260-S265.	2.3	31
283	Conductivity in a spin-polarized band near the metal-insulator critical point. Physica B: Condensed Matter, 1989, 155, 357-361.	2.8	8
284	Photoinduced magnetization in dilute magnetic (semimagnetic) semiconductors. Physical Review B, 1989, 39, 10918-10934.	3.2	79
285	Localization Phenomena in Semimagnetic Semiconductors. Physica Scripta, 1989, T25, 141-143.	2.6	0
286	Critical Behavior of the Hall Coefficient and Dielectric Susceptibility near the Anderson-Mott Transition in p-Hg _{1-x} Mn _x Te. Springer Series in Solid-state Sciences, 1989, , 514-517.	0.0	2
287	Pressure Studies of Metastable Electron Traps in Grain Boundaries of p-HgMnTe and p-HgCdMnTe. Springer Proceedings in Physics, 1989, , 338-344.	0.0	1
288	Fundamental high-field transport properties of a GaAs/AlGaAs modulation doped heterostructure. Surface Science, 1988, 196, 299-302.	1.7	1

#	ARTICLE	IF	CITATIONS
289	Band offsets in HgTe/CdTe and HgSe/CdSe heterostructures from electron mobility limited by alloy scattering. <i>Physical Review B</i> , 1988, 38, 10941-10942.	3.2	8
290	Quantum Hall Effect in Bicrystals of p-Hg _{0.75} Cd _{0.23} Mn _{0.02} Te. <i>Springer Series in Solid-state Sciences</i> , 1987, , 127-130.	0.0	4
291	Magnetic Field Driven Insulator-to-Metal Transition in Semimagnetic Semiconductors. <i>Springer Series in Solid-state Sciences</i> , 1987, , 442-445.	0.0	3
292	Localization and Magnetic Interactions in Semimagnetic Semiconductors at Low Temperatures. <i>Japanese Journal of Applied Physics</i> , 1987, 26, 1907.	2.0	26
293	Influence of s-d exchange interaction on the conductivity of Cd _{1-x} MnxSe:In in the weakly localized regime. <i>Physical Review Letters</i> , 1986, 56, 508-511.	7.8	165
294	Remarks on Localization in Semimagnetic Semiconductors. <i>Physica Scripta</i> , 1986, T14, 29-36.	2.6	16
295	Theory of the bound magnetic polaron: A physical discussion and a comment. <i>Physical Review B</i> , 1986, 33, 7303-7306.	3.2	19
296	Metal-Insulator Transition in Semimagnetic Semiconductors. <i>Physical Review Letters</i> , 1986, 56, 2419-2422.	7.8	89
297	Exchange splitting of acceptor states in semimagnetic-semiconductors: Magnetoresistance studies of Cd _{1-x} MnxTe. <i>Solid State Communications</i> , 1985, 55, 491-494.	2.3	14
298	Spin glass phase transition in Hg _{1-x} MnxTe semimagnetic semiconductors. <i>Solid State Communications</i> , 1984, 50, 257-260.	2.3	45
299	Quantum transport in semimagnetic HgMnTe inversion layers – Experiment and theory. <i>Surface Science</i> , 1984, 142, 588-592.	1.7	14
300	The exchange contribution to the binding energy of acceptors in CdMnTe. <i>Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics</i> , 1983, 117-118, 473-475.	0.7	6
301	Hopping conduction of the bound magnetic polarons in n-CdMnSe. <i>Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics</i> , 1983, 117-118, 491-493.	0.7	24
302	The study of the s-d type exchange interaction in Zn _{1-x} MnxSe mixed crystals. <i>Solid State Communications</i> , 1983, 48, 845-848.	2.3	136
303	Optical properties of donor electrons in semimagnetic semiconductors. <i>Journal of Magnetism and Magnetic Materials</i> , 1983, 38, 34-44.	2.8	28
304	Effect of thermodynamic fluctuations of magnetization on the bound magnetic polaron in dilute magnetic semiconductors. <i>Physical Review B</i> , 1983, 28, 1548-1563.	3.2	180
305	Effect of Fluctuations of Magnetization on the Bound Magnetic Polaron: Comparison with Experiment. <i>Physical Review Letters</i> , 1982, 48, 355-358.	7.8	249
306	Directional crystallization of CdHgTe in microgravity conditions. <i>Journal of Crystal Growth</i> , 1981, 53, 397-408.	2.0	11

#	ARTICLE	IF	CITATIONS
307	Electron scattering in $\text{Cd}_x\text{Hg}_{1-x}\text{Te}$. Journal of Physics and Chemistry of Solids, 1981, 42, 351-362.	4.7	90
308	Semimagnetic Semiconductors in Magnetic Fields. Springer Series in Solid-state Sciences, 1981, , 344-354.	0.0	8
309	Electron scattering and transport phenomena in small-gap zinc-blende semiconductors. Journal of Physics and Chemistry of Solids, 1978, 39, 1025-1040.	4.7	59
310	Electron scattering in HgSe. Journal of Physics and Chemistry of Solids, 1978, 39, 1041-1057.	4.7	57
311	Electron mobility and electron scattering in $\text{Cd}_x\text{Hg}_{1-x}\text{Se}$ mixed crystals. Journal of Physics and Chemistry of Solids, 1978, 39, 1059-1070.	4.7	27
312	The influence of disorder scattering on the longitudinal Nernst-Ettingshausen effect in $\text{Cd}_{0.2}\text{Hg}_{0.8}\text{Se}$ mixed crystals. Journal of Physics C: Solid State Physics, 1978, 11, 3239-3244.	1.5	5
313	Influence of interface charges on transport measurements in amorphous silicon films. Journal De Physique, 1978, 39, 1241-1246.	1.9	131
314	Spin split quantum oscillations of thermoelectric power in HgSe. Solid State Communications, 1976, 20, 1133-1135.	2.3	8
315	II-VI semimagnetic semiconductors: exchange constants. Landolt-Börnstein - Group III Condensed Matter, 0, , 242-244.	0.0	0
316	$\text{Be}_{1-x}\text{Mn}_x\text{Te}$: hysteresis. Landolt-Börnstein - Group III Condensed Matter, 0, , 1-1.	0.0	0
317	$\text{Zn}_{1-x}\text{Co}_x\text{O}$: Curie temperature, magnetization, exchange integral. Landolt-Börnstein - Group III Condensed Matter, 0, , 192-193.	0.0	0
318	$\text{Zn}_{1-x}\text{Cr}_x\text{Se}$: Curie temperature. Landolt-Börnstein - Group III Condensed Matter, 0, , 194-194.	0.0	0
319	$\text{Zn}_{1-x}\text{Cr}_x\text{Te}$: Curie temperatures. Landolt-Börnstein - Group III Condensed Matter, 0, , 195-197.	0.0	0
320	$\text{Zn}_{1-x}\text{Mn}_x\text{O}$: exchange constants. Landolt-Börnstein - Group III Condensed Matter, 0, , 240-241.	0.0	0
321	$\text{Zn}_{1-x}\text{Mn}_x\text{Te}$: Curie temperature. Landolt-Börnstein - Group III Condensed Matter, 0, , 245-246.	0.0	0
322	diluted magnetic oxides: Curie temperature, magnetization. Landolt-Börnstein - Group III Condensed Matter, 0, , 254-254.	0.0	0