

# Tomasz J Wojtowicz

## List of Publications by Year in descending order

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629  
papers

8,380  
citations

71004

43  
h-index

104191

69  
g-index

635  
all docs

635  
docs citations

635  
times ranked

5035  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transverse magnetic routing of light emission in hybrid plasmonic-semiconductor nanostructures: Towards operation at room temperature. <i>Physical Review Research</i> , 2022, 4, .	1.3	0
2	Unit cell distortion and surface morphology diversification in a SnTe/CdTe(001) topological crystalline insulator heterostructure: influence of defect azimuthal distribution. <i>Journal of Materials Chemistry C</i> , 2022, 10, 3139-3152.	2.7	5
3	Ultrannarrow lines in Raman spectra of quantum wells due to effective acoustic phonon selection by in-plane wave vector. <i>Physical Review B</i> , 2022, 105, .	1.1	0
4	Plasmon-to-exciton spin conversion in semiconductor-metal hybrid nanostructures. <i>Physical Review B</i> , 2021, 103, .	1.1	2
5	Coexistence of Short- and Long-Range Ferromagnetic Proximity Effects in a Fe/(Cd,Mg)Te/CdTe Quantum Well Hybrid Structure. <i>Nano Letters</i> , 2021, 21, 2370-2375.	4.5	4
6	Magnetic field dependence of the in-plane hole g factor in ZnSe- and CdTe-based quantum wells. <i>Physical Review B</i> , 2021, 103, .	1.1	1
7	Signatures of dephasing by mirror-symmetry breaking in weak-antilocalization magnetoresistance across the topological transition in $\text{Pb}_{1-x}\text{Sn}_x\text{Se}$ . <i>Physical Review B</i> , 2021, 103, .	1.1	7
8	Optical manifestation of magnetic polarons bound to excitons and resident holes in a (Cd,Mn)Te quantum well. <i>Physical Review B</i> , 2021, 104, .	1.1	2
9	Near-infrared emission from spatially indirect excitons in type II ZnTe/CdSe/(Zn,Mg)Te core/double-shell nanowires. <i>Nanotechnology</i> , 2021, 32, 495202.	1.3	1
10	Oxidation of MBE-Grown ZnTe and ZnTe/Zn Nanowires and Their Structural Properties. <i>Materials</i> , 2021, 14, 5252.	1.3	2
11	2D electron gas in chalcogenide multilayers. , 2020, , 189-234.		1
12	Optical signatures of type II band alignment transition in Cd(Se,Te)/ZnTe self-assembled quantum dots. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	7
13	Renormalization of the electron g factor in the degenerate two-dimensional electron gas of ZnSe- and CdTe-based quantum wells. <i>Physical Review B</i> , 2020, 102, .	1.1	2
14	High-resolution resonance spin-flip Raman spectroscopy of pairs of manganese ions in a CdTe quantum well. <i>Physical Review B</i> , 2020, 101, .	1.1	4
15	PSD-95 Serine 73 phosphorylation is not required for induction of NMDA-LTD. <i>Scientific Reports</i> , 2020, 10, 2054.	1.6	8
16	Short range proximity effect induced by exchange interaction in tunnel-coupled CdTe and (Cd,Mn)Te quantum wells. <i>Physical Review B</i> , 2020, 101, .	1.1	1
17	Polarization and magneto-optical properties of excitonic emission from wurtzite CdTe/(Cd,Mg)Te core/shell nanowires. <i>Nanotechnology</i> , 2020, 31, 215710.	1.3	4
18	Quantum beats in the polarization of the spin-dependent photon echo from donor-bound excitons in CdTe/(Cd,Mg)Te quantum wells. <i>Physical Review B</i> , 2020, 101, .	1.1	5

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19	Conductance spectra of (Nb, Pb, In)/NbP superconductor/Weyl semimetal junctions. Physical Review B, 2020, 101, .	1.1	9
20	Grating Metamaterials Based on CdTe/CdMgTe Quantum Wells as Terahertz Detectors for High Magnetic Field Applications. Applied Sciences (Switzerland), 2020, 10, 2807.	1.3	1
21	Polarization of Magnetoplasmons in Grating Metamaterials Based on CdTe/CdMgTe Quantum Wells. Materials, 2020, 13, 1811.	1.3	2
22	In-plane anisotropy of the hole $g$ factor in CdTe/(Cd,Mg)Te quantum wells studied by spin-dependent photon echoes. Physical Review Research, 2020, 2, .	1.3	4
23	Low voltage control of exchange coupling in a ferromagnet-semiconductor quantum well hybrid structure. Nature Communications, 2019, 10, 2899.	5.8	15
24	Nuclear spin dynamics influenced and detected by electron spin polarization in CdTe/(Cd,Mg)Te quantum wells. Physical Review B, 2019, 99, .	1.1	1
25	Transverse magneto-optical Kerr effect at narrow optical resonances. Nanophotonics, 2019, 8, 287-296.	2.9	19
26	Conductance resonances and crossing of the edge channels in the quantum Hall ferromagnetic state of Cd(Mn)Te microstructures. Physical Review B, 2019, 99, .	1.1	1
27	Polarimetry of photon echo on charged and neutral excitons in semiconductor quantum wells. Scientific Reports, 2019, 9, 5666.	1.6	12
28	Microscopic dynamics of electron hopping in a semiconductor quantum well probed by spin-dependent photon echoes. Physical Review B, 2019, 100, .	1.1	9
29	Terahertz Detectors Based on Plasmonic Excitations in Double CdTe/CdMgTe Quantum Wells. , 2019, , .		0
30	Ternary $\text{Pb}_{1-x}\text{Cd}_x\text{Se}$ films grown by molecular beam epitaxy on GaAs/ZnTe hybrid substrates. Journal of Crystal Growth, 2019, 507, 10-15.	0.7	2
31	Nanoindentation Studies of the MBE-Grown, Zero-Gap (Hg,Cd)Te Epilayers. Acta Physica Polonica A, 2019, 136, 603-607.	0.2	2
32	Terahertz Spectroscopy of Double CdTe/CdMgTe Quantum Wells. Acta Physica Polonica A, 2019, 136, 617-619.	0.2	0
33	Magnetic field induced mixing of light hole excitonic states in (Cd, Mn)Te/(Cd, Mg)Te core/shell nanowires. Nanotechnology, 2018, 29, 205205.	1.3	6
34	Circular and linear magnetic quantum ratchet effects in dual-grating-gate CdTe-based nanostructures. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 101, 178-187.	1.3	9
35	Plasmon-excitonic Enhancement of the Transverse Magneto-Optical Kerr effect in the Semiconductor Magnetic Nanostructures. , 2018, , .		0
36	Single-beam optical measurement of spin dynamics in CdTe/(Cd,Mg)Te quantum wells. Physical Review B, 2018, 98, .	1.1	8

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37	Interfacial Ferromagnetism in a Co/CdTe Ferromagnet/Semiconductor Quantum Well Hybrid Structure. <i>Physics of the Solid State</i> , 2018, 60, 1578-1581.	0.2	3
38	Persistent spin helix manipulation by optical doping of a CdTe quantum well. <i>Physical Review B</i> , 2018, 97, .	1.1	20
39	Routing the emission of a near-surface light source by a magnetic field. <i>Nature Physics</i> , 2018, 14, 1043-1048.	6.5	27
40	Impurity-generated non-Abelions. <i>Physical Review B</i> , 2018, 97, .	1.1	8
41	XPS Study of Te-protected Surface of $\text{Sn}_{1-x}\text{Mn}_x\text{Te}$ Topological Crystalline Insulator. <i>Acta Physica Polonica A</i> , 2018, 134, 937-940.	0.2	1
42	Coherent optical spectroscopy of charged exciton complexes in semiconductor nanostructures. , 2018, , .		0
43	Growth and optical investigations of high quality individual CdTe/(Cd,Mg)Te core/shell nanowires. <i>Nanotechnology</i> , 2017, 28, 045207.	1.3	6
44	Room temperature sputter deposited catalyst-free nanowires with wurtzite/zinc blende ZnO superstructure and their application in electromechanical nanogenerators on polymer and paper substrates. <i>Nanotechnology</i> , 2017, 28, 085204.	1.3	5
45	PbSe/CdTe single quantum well infrared detectors. <i>AIP Advances</i> , 2017, 7, 035111.	0.6	10
46	Electrical, photovoltaic and photosensitivity characteristics of p-ZnTe:N/CdTe:Mg/n-CdTe:I/GaAs for photodiode applications. <i>Materials Science in Semiconductor Processing</i> , 2017, 67, 33-40.	1.9	16
47	Damping of Rabi oscillations in intensity-dependent photon echoes from exciton complexes in a CdTe/(Cd,Mg)Te single quantum well. <i>Physical Review B</i> , 2017, 96, .	1.1	19
48	Mesoscopic Transport in Electrostatically Defined Spin-Full Channels in Quantum Hall Ferromagnets. <i>Physical Review Letters</i> , 2017, 119, 046803.	2.9	13
49	Influence of frequency and applied voltage on electrical characterization of p-ZnTe:N/CdTe:Mg/n-CdTe:I/GaAs grown by molecular beam epitaxy. <i>Materials Chemistry and Physics</i> , 2017, 201, 354-361.	2.0	2
50	High-Resolution Two-Dimensional Optical Spectroscopy of Electron Spins. <i>Physical Review X</i> , 2017, 7, .	2.8	9
51	Direct measurement of the long-range $\text{p}\text{-d}$ exchange coupling in a ferromagnet-semiconductor Co/CdMgTe/CdTe quantum well hybrid structure. <i>Physical Review B</i> , 2017, 96, .	1.1	14
52	Fabrication of CdMgTe/Cd(Mn)Te nanostructures with the application of high-resolution electron-beam lithography. <i>Opto-electronics Review</i> , 2017, 25, 65-68.	2.4	5
53	Spin precession and spin waves in a chiral electron gas: Beyond Larmor's theorem. <i>Physical Review B</i> , 2017, 96, .	1.1	8
54	Magnetic quantum ratchet effect in (Cd,Mn)Te- and CdTe-based quantum well structures with a lateral asymmetric superlattice. <i>Physical Review B</i> , 2017, 95, .	1.1	15

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55	Excitonic enhancement of the transverse magneto-optical Kerr effect in semiconductor nanostructures. , 2017, , .		0
56	Photoluminescence of CdTe/CdMgTe Double Quantum Wells with a Two-Dimensional Electron Gas. Acta Physica Polonica A, 2017, 132, 390-392.	0.2	0
57	Spin-orbit stiffness of the spin-polarized electron gas. Physica Status Solidi - Rapid Research Letters, 2016, 10, 315-319.	1.2	2

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73	Spin Splitting Anisotropy in Single Diluted Magnetic Nanowire Heterostructures. Nano Letters, 2015, 15, 1972-1978.	4.5	19
74	Nanoscale morphology of multilayer PbTe/CdTe heterostructures and its effect on photoluminescence properties. Nanotechnology, 2015, 26, 135601.	1.3	9
75	Photoluminescence study of the increased hole confinement in CdTe quantum dots (Presentation) Tj ETQq1 1 0.784314 rgBT <sub>0</sub> /Overlo 0.8	0.8	0
76	Structural and magnetic properties of hybrid ferromagnetic metal/semiconductor (ZnTe)/Co core-shell nanowires. Journal of Crystal Growth, 2015, 412, 80-86.	0.7	2
77	Magnetoplasmons in high electron mobility CdTe/CdMgTe quantum wells. Physical Review B, 2015, 91, .	1.1	12
78	Engineering the hole confinement for CdTe-based quantum dot molecules. Journal of Applied Physics, 2015, 117, .	1.1	2
79	Magnetic and Structural Study of (ZnTe)/Co Core-Shell Nanowires Grown by Molecular Beam Epitaxy. Acta Physica Polonica A, 2015, 127, 517-519.	0.2	0
80	Impedance Spectroscopy of n-CdTe/p-CdMnTe/p-GaAs Diluted Magnetic Diode. Journal of Electronic Materials, 2015, 44, 2768-2772.	1.0	7
81	Terahertz magneto-spectroscopy of a point contact based on CdTe/CdMgTe quantum well. Journal of Nanophotonics, 2015, 9, 093082.	0.4	4
82	Electric and thermoelectric properties of CdTe/PbTe epitaxial nanocomposite. Functional Materials Letters, 2014, 07, 1440007.	0.7	1
83	Stark spectroscopy of CdTe and CdMnTe quantum dots embedded in n-i-p diodes. Journal of Applied Physics, 2014, 115, 203512.	1.1	2
84	Terahertz detectors based on a gated two-dimensional electron plasma in CdMnTe/CdMgTe quantum wells. , 2014, , .		0
85	Terahertz magnetospectroscopy of a point contact based on CdTe/CdMgTe quantum well. Proceedings of SPIE, 2014, , .	0.8	2
86	Low Temperature Processing of Nanostructures Based on II-VI Semiconductors Quantum Wells. Acta Physica Polonica A, 2014, 126, 1174-1176.	0.2	4
87	Magnetic-field tunable THz detectors based on GaAs/AlGaAs and CdTe/CdMgTe quantum wells. , 2014, , .		0
88	Reduction of the Optical Losses in CdTe/ZnTe Thin-Film Solar Cells. Acta Physica Polonica A, 2014, 126, 1072-1075.	0.2	2
89	All-optical NMR in semiconductors provided by resonant cooling of nuclear spins interacting with electrons in the resonant spin amplification regime. Physical Review B, 2014, 90, .	1.1	24
90	Effect of catalyst diameter on vapour-liquid-solid growth of GaAs nanowires. Journal of Applied Physics, 2014, 116, 063509.	1.1	5

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91	Strain-induced energy gap variation in ZnTe/ZnMgTe core/shell nanowires. Applied Physics Letters, 2014, 104, .	1.5	13
92	Raman scattering as a tool to characterize semiconductor crystals, thin layers, and low-dimensional structures containing transition metals. Physica Status Solidi (B): Basic Research, 2014, 251, 1133-1143.	0.7	4
93	Identification of recombination centers responsible for reduction of energy conversion efficiency in CdTe-based solar cells. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 1296-1299.	0.8	3
94	Strong $d$ exchange coupling in ZnMnTe/ZnMgTe core/shell nanowires. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 1308-1311.	0.8	1
95	Access to long-term optical memories using photon echoes retrieved from semiconductor spins. Nature Photonics, 2014, 8, 851-857.	15.6	74
96	Fractional quantum Hall effect in a dilute magnetic semiconductor. Physical Review B, 2014, 90, .	1.1	19
97	Micropillar Cavity Containing a CdTe Quantum Dot with a Single Manganese Ion. Crystal Growth and Design, 2014, 14, 988-992.	1.4	23
98	Coherent Coupling of Excitons and Trions in a Photoexcited CdTe/CdMgTe Quantum Well. Physical Review Letters, 2014, 112, 097401.	2.9	44
99	Nanocoral ZnO films fabricated on flexible poly(vinyl chloride) using a carrier substrate. Thin Solid Films, 2014, 550, 145-148.	0.8	1
100	Photoluminescence of nanocoral ZnO films. Journal of Luminescence, 2014, 147, 367-371.	1.5	11
101	Theoretical studies of the pressure-induced zinc-blende to cinnabar phase transition in CdTe and thermodynamical properties of each phase. Materials Chemistry and Physics, 2013, 140, 216-221.	2.0	9
102	Growth and Characterization of (Cd, Mn)Te. IEEE Transactions on Nuclear Science, 2013, 60, 3805-3814.	1.2	7
103	Electron spin dephasing in Mn-based II-VI diluted magnetic semiconductors. Physical Review B, 2013, 88, .	1.1	18
104	Coulomb-driven organization and enhancement of spin-orbit fields in collective spin excitations. Physical Review B, 2013, 87, .	1.1	20
105	Inversion asymmetry effects in modulation-doped Cd <sub>1-x</sub> Mn <sub>x</sub> Te quantum wells. Physical Review B, 2013, 87, .		
106	Terahertz Radiation from Magnetic Excitations in Diluted Magnetic Semiconductors. Physical Review Letters, 2013, 110, 177203.	2.9	21
107	Spin-flip Raman scattering of the neutral and charged excitons confined in a CdTe/(Cd,Mg)Te quantum well. Physical Review B, 2013, 87, .	1.1	29
108	Influence of exciton spin relaxation on the photoluminescence spectra of semimagnetic quantum dots. Physical Review B, 2013, 87, .	1.1	13

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109	Photovoltaic characterization of n-CdTe/p-CdMnTe/GaAs diluted magnetic diode. <i>Current Applied Physics</i> , 2013, 13, 537-543.	1.1	39
110	Activation of an intense near band edge emission from ZnTe/ZnMgTe core/shell nanowires grown on silicon. <i>Nanotechnology</i> , 2013, 24, 365201.	1.3	13
111	Anomalously large spin susceptibility enhancement in n-doped CdMnTe quantum wells. , 2013, , .		0
112	Time Resolved Photoluminescence Study of the Wide (Cd,Mn)Te/(Cd,Mg)Te Quantum Well. <i>Acta Physica Polonica A</i> , 2013, 124, 895-897.	0.2	0
113	Identification of Optical Transitions from CdTe and CdMnTe Quantum Dots Embedded in ZnTe Nanowires. <i>Acta Physica Polonica A</i> , 2013, 124, 824-826.	0.2	0
114	Synthesis and properties of nanocoral ZnO structures. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1552, 113-118.	0.1	0
115	Subnanosecond magnetization dynamics induced by a pulsed magnetic field in diluted magnetic semiconductor quantum wells. <i>Physical Review B</i> , 2013, 87, .	1.1	8
116	Spin-polarized electric currents in diluted magnetic semiconductor heterostructures induced by terahertz and microwave radiation. <i>Physical Review B</i> , 2012, 86, .	1.1	22
117	Resonant spin amplification of resident electrons in CdTe/(Cd,Mg)Te quantum wells subject to tilted magnetic fields. <i>Physical Review B</i> , 2012, 86, .	1.1	14
118	Magnetic-Field Control of Photon Echo from the Electron-Trion System in a CdTe Quantum Well: Shuffling Coherence between Optically Accessible and Inaccessible States. <i>Physical Review Letters</i> , 2012, 109, 157403.	2.9	36
119	Evidence for charging effects in CdTe/CdMgTe quantum point contacts. <i>Physical Review B</i> , 2012, 86, .	1.1	7
120	ZnTe nanowires overgrown by atomic layer deposited (Zn,Co) oxides: Raman scattering studies. , 2012, , .		0
121	Exchange interactions in Cd <sub>1-x</sub> MnxTe wide quantum wells. <i>Physical Review B</i> , 2012, 86, .	1.1	4
122	Terahertz radiation from spin coherence in diluted magnetic semiconductors. , 2012, , .		0
123	Optical phonons in the bulk and on the surface of ZnO and ZnTe/ZnO nanowires in Raman spectra. <i>Physics of the Solid State</i> , 2012, 54, 2083-2090.	0.2	19
124	Spin properties of trions in a dense quasi-2D electron gas. <i>Semiconductors</i> , 2012, 46, 1502-1505.	0.2	0
125	Interface inversion asymmetry in Cd <sub>1-x</sub> MnxTe quantum wells. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012, 9, 1783-1786.	0.8	2
126	Exciton-Mn exchange interactions as a function of translational wavevector in Cd <sub>1-x</sub> MnxTe quantum wells. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012, 9, 1826-1829.	0.8	0



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127	IR transmission and reflection spectra of structures with ZnTe and ZnTe/ZnMgTe quantum wires. <i>Physics of the Solid State</i> , 2012, 54, 106-110.	0.2	2
128	Spin-Transistor Action via Tunable Landau-Zener Transitions. <i>Science</i> , 2012, 337, 324-327.	6.0	74
129	Giant Spin Splitting in Optically Active ZnMnTe/ZnMgTe Core/Shell Nanowires. <i>Nano Letters</i> , 2012, 12, 3404-3409.	4.5	32
130	Pressure coefficients of the photoluminescence of the II-VI semiconducting quantum dots grown by molecular beam epitaxy. <i>Journal of Luminescence</i> , 2012, 132, 1501-1506.	1.5	11
131	Electrical Properties of p-ZnTe/n-CdTe Photodiodes. <i>Acta Physica Polonica A</i> , 2012, 122, 1077-1079.	0.2	5
132	Terahertz Response of a Point Contact Based on CdTe/CdMgTe Quantum Well in Magnetic Field. <i>Acta Physica Polonica A</i> , 2012, 122, 1069-1072.	0.2	1
133	Epitaxial Zinc-Blende CdTe Antidots in Rock-Salt PbTe Semiconductor Thermoelectric Matrix. <i>Crystal Growth and Design</i> , 2011, 11, 4794-4801.	1.4	20
134	Spin polarized electric currents in semiconductor heterostructures induced by microwave radiation. , 2011, , .		0
135	Positively versus negatively charged excitons: A high magnetic field study of CdTe/Cd <sub>1-x</sub> Mg <sub>x</sub> Te quantum wells. <i>Physical Review B</i> , 2011, 83, .	1.1	30
136	Propagation length of spin waves in a conducting system. <i>Journal of Physics: Conference Series</i> , 2011, 334, 012055.	0.3	1
137	Manifestation of outgoing resonance in stokes and anti-stokes spectra of ZnTe and ZnMgTe quantum wires. <i>Physics of the Solid State</i> , 2011, 53, 1722-1726.	0.2	1
138	Optical and structural properties of Pb <sub>1-x</sub> Eu <sub>x</sub> Te/CdTe//GaAs (001) heterostructures grown by MBE. <i>Journal of Crystal Growth</i> , 2011, 323, 140-143.	0.7	4
139	Selected optical properties of core/shell ZnMnTe/ZnO nanowire structures. <i>Physica Status Solidi (B): Basic Research</i> , 2011, 248, 1592-1595.	0.7	10
140	Effects of motion on exciton magnetic properties. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011, 8, 1173-1177.	0.8	0
141	Tuning the inter-shell splitting in self-assembled CdTe quantum dots. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	10
142	Stark spectroscopy and radiative lifetimes in single self-assembled CdTe quantum dots. <i>Physical Review B</i> , 2011, 83, .	1.1	17
143	Plasmon mechanism of the trion emission band broadening in quantum wells. <i>Physical Review B</i> , 2011, 83, .	1.1	5
144	Midinfrared electroluminescence from PbTe/CdTe quantum dot light-emitting diodes. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	36

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145	Excitonic polaron formation and exciton spin relaxation in single Cd <sub>1-x</sub> Mn <sub>x</sub> Te quantum dots. Applied Physics Letters, 2011, 99, 113109.	1.5	14
146	Growth and optical properties of CdTe quantum dots in ZnTe nanowires. Applied Physics Letters, 2011, 99, 113109.	1.5	14
147	Morphology and Selected Properties of Core/Shell ZnTe-Based Nanowire Structures Containing ZnO. Acta Physica Polonica A, 2011, 119, 612-614.	0.2	3
148	Spectroscopy of Indirect Excitons in Vertically Stacked CdTe Quantum Dot Structures. Acta Physica Polonica A, 2011, 120, 856-858.	0.2	2
149	Charge storage in self-assembled CdTe quantum dots. Journal of Physics: Conference Series, 2010, 210, 012007.	0.3	2
150	Spin properties of trions in a dense 2DEG. Journal of Physics: Conference Series, 2010, 210, 012044.	0.3	0
151	Ferroelectric gate effect in modulation doped CdTe/CdMgTe quantum wells. , 2010, , .		0
152	Exchange driven spin splitting of fully occupied Landau levels measured using polarization resolved photoluminescence spectroscopy. , 2010, , .		0
153	p-ZnTe/n-CdMnTe/n-GaAs diluted magnetic diode for photovoltaic applications. Semiconductor Science and Technology, 2010, 25, 095001.	1.0	37
154	Influence of temperature and illumination on the electrical properties of p-ZnTe/n-CdTe heterojunction grown by molecular beam epitaxy. Journal Physics D: Applied Physics, 2010, 43, 215102.	1.3	50
155	Enhancement of the spin gap in fully occupied two-dimensional Landau levels. Physical Review B, 2010, 82, .	1.1	8
156	Local Definition of Spin Polarization in a Semiconductor by Micro-scale Current Loops. Journal of Superconductivity and Novel Magnetism, 2010, 23, 111-114.	0.8	2
157	Excitons in motion in II-VI semiconductors. Physica Status Solidi (B): Basic Research, 2010, 247, 1521-1527.	0.7	11
158	Spin properties of trions in a dense 2DEG. Physica Status Solidi (B): Basic Research, 2010, 247, 1531-1534.	0.7	2
159	Electrical control of spin polarization in a semiconductor by microscale current loops. Physica Status Solidi (B): Basic Research, 2010, 247, 1505-1507.	0.7	5
160	Surprising stability of the trion against the free carrier screening. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 1661-1664.	0.8	1
161	TEM characterization of MBE grown CdTe/ZnTe axial nanowires. Journal of Microscopy, 2010, 237, 337-340.	0.8	7
162	Energetic shift of cold and hot excitons in (Cd, Mn)Te/(Cd, Mg)Te quantum wells. , 2010, , .		0

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163	Zn <sub>1-x</sub> Mn <sub>x</sub> Te-based diluted magnetic semiconductor nanowire structures grown by MBE. , 2010, , .		2
164	Quantum Confined Stark Effect in Single Self-Assembled CdTe Quantum Dots. , 2010, , .		0
165	Spin polarized electric currents in semiconductor heterostructures induced by microwave radiation. Applied Physics Letters, 2010, 97, .	1.5	10
166	CdTe-Based Semimagnetic Semiconductors. , 2010, , 133-168.		0
167	CdTe Quantum Dots in a Field Effect Structure: Photoluminescence Lineshape Analysis. , 2010, , .		0
168	(Zn,Mn)Te-Based Nanowires for Spintronic Applications: A TEM Study of Structural and Chemical Properties. Materials Science Forum, 2010, 638-642, 2154-2159.	0.3	2
169	Quantum Hall states under conditions of vanishing Zeeman energy. Physical Review B, 2010, 82, .	1.1	4
170	Fractional quantum Hall effect in CdTe. Physical Review B, 2010, 82, .	1.1	33
171	Dynamics of charge leakage from self-assembled CdTe quantum dots. Applied Physics Letters, 2010, 96, 201905.	1.5	3
172	Intrinsic damping of spin waves by spin current in conducting two-dimensional systems. Physical Review B, 2010, 81, .	1.1	10
173	Spin diffusion in the $Mn_{1-x}Mg_xTe$ system of II-VI diluted magnetic semiconductor heterostructures. Physical Review B, 2010, 82, .		
174	Coherence-mediated laser control of exciton and trion spins in CdTe/CdMgTe quantum wells studied by the magneto-optical Kerr effect. Journal of Physics Condensed Matter, 2010, 22, 115801.	0.7	3
175	Band-Offset Engineering in Magnetic/Non-Magnetic Semiconductor Quantum Structures. Springer Series in Materials Science, 2010, , 103-160.	0.4	2
176	Optical control of electron spin coherence in CdTe/(Cd,Mg)Te quantum wells. Physical Review B, 2010, 81, .	1.1	25
177	ZnTe/ZnO core/shell radial heterostructures grown by the combination of molecular beam epitaxy and atomic layer deposition. Nanotechnology, 2010, 21, 015302.	1.3	28
178	Second hidden triplet-singlet crossover of charged excitons in doped (Cd,Mn)Te/(Cd,Mg)Te in ultra-high magnetic fields. Physical Review B, 2009, 79, .	1.1	2
179	High-resolution spin-flip Raman scattering in CdTe quantum wells at $H > 3e$ temperature. Physical Review B, 2009, 80, .	1.1	3
180	Giant modulation of resonance Raman scattering from (Cd,Mn)Te quantum wells by secondary illumination. Physical Review B, 2009, 79, .	1.1	8

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181	Large acoustic impedance mismatch in CdTe/MgTe nanodevices. Applied Physics Letters, 2009, 94, 093102.	1.5	2
182	Photoinduced magneto-optical Kerr effect and ultrafast spin dynamics in CdTe/CdMgTe quantum wells during excitation by shaped laser pulses. Physical Review B, 2009, 80, .	1.1	6
183	Origin of resonance structures in magneto-optical spectra of InSb and $\ln$ . Physical Review B, 2009, 80, .	1.1	5
184	Spin coherence of holes and electrons in undoped CdTe/(Cd,Mg)Te quantum wells. Physical Review B, 2009, 79, .	1.1	18
185	Spin Currents in Diluted Magnetic Semiconductors. Physical Review Letters, 2009, 102, 156602.	2.9	58
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187	Magnetization Dynamics Down to a Zero Field in Dilute (Cd,Mn)Te Quantum Wells. Physical Review Letters, 2009, 102, 046408.	2.9	38
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