

# Jacek Kossut

## List of Publications by Year in descending order

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379  
papers

5,482  
citations

94415

37  
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144002

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381  
all docs

381  
docs citations

381  
times ranked

2792  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dependence of energy gap on $x$ in $\text{Zn}_{1-x}\text{Mn}_x\text{Se}$ : The role of exchange interaction. <i>Physical Review B</i> , 1986, 33, 8207-8215.	3.2	321
2	Influence of s-d exchange interaction on the conductivity of $\text{Cd}_{1-x}\text{Mn}_x\text{Se}$ in the weakly localized regime. <i>Physical Review Letters</i> , 1986, 56, 508-511.	7.8	173
3	Influence of Exchange Interaction on the Quantum Transport Phenomena in $\text{Hg}_{1-x}\text{Mn}_x\text{Te}$ . <i>Physica Status Solidi (B): Basic Research</i> , 1978, 88, 73-85.	1.5	149
4	Photoluminescence study of $\text{CdTe}/\text{ZnTe}$ self-assembled quantum dots. <i>Applied Physics Letters</i> , 1999, 74, 3011-3013.	3.3	146
5	Kinetic Exchange between the Conduction Band Electrons and Magnetic Ions in Quantum-Confined Structures. <i>Physical Review Letters</i> , 1999, 83, 1431-1434.	7.8	114
6	Energy transfer from photocarriers into the magnetic ion system mediated by a two-dimensional electron gas in $(\text{Cd},\text{Mn})\text{Te}/(\text{Cd},\text{Mg})\text{Te}$ quantum wells. <i>Physical Review B</i> , 2000, 61, 16870-16882.	3.2	88
7	Spin coherence of a two-dimensional electron gas induced by resonant excitation of trions and excitons in $(\text{Cd},\text{Mn})\text{Te}/(\text{Cd},\text{Mg})\text{Te}$ quantum wells. <i>Physical Review B</i> , 2000, 61, 16870-16882.	1.78	4314
8	$\text{CdSe}$ quantum dots in a $\text{Zn}_{1-x}\text{Mn}_x\text{Se}$ matrix: new effects due to the presence of Mn. <i>Journal of Crystal Growth</i> , 2000, 214-215, 395-399.	1.5	81
9	Reduction of charge-center scattering rate in $\text{Hg}_{1-x}\text{Fe}_x\text{Se}$ . <i>Physical Review B</i> , 1987, 35, 3900-3909.	3.2	73
10	High mobility 2D electron gas in iodine modulation doped $\text{CdTe}/\text{CdMgTe}$ heterostructures. <i>Journal of Crystal Growth</i> , 1998, 184-185, 814-817.	1.5	72
11	Photoluminescence study of $p$ -type $\text{ZnO}:\text{Sb}$ prepared by thermal oxidation of the $\text{Zn-Sb}$ starting material. <i>Physical Review B</i> , 2007, 76, .	3.2	68
12	Optical method for the determination of carrier density in modulation-doped quantum wells. <i>Physical Review B</i> , 2002, 65, .	3.2	67
13	Optically-induced magnetization of $\text{CdMnTe}$ self-assembled quantum dots. <i>Applied Physics Letters</i> , 2004, 84, 3337-3339.	3.3	62
14	Structural properties of cubic $\text{MnTe}$ layers grown by MBE. <i>Thin Solid Films</i> , 1995, 267, 74-78.	1.8	58
15	Microluminescence from $\text{Cd}_{1-x}\text{Mn}_x\text{Te}$ magnetic quantum dots containing only a few Mn ions. <i>Physical Review B</i> , 2007, 75, .	3.2	58
16	Modulation-doped $\text{Cd}_{1-x}\text{Mn}_x\text{Te}/\text{Cd}_{1-y}\text{Mg}_y\text{Te}$ quantum well structures with spatial in-plane profiling of the well width and the doping intensity. <i>Applied Physics Letters</i> , 1998, 73, 1379-1381.	3.3	57
17	Optically detected magnetic resonance of excess electrons in type-I quantum wells with a low-density electron gas. <i>Physical Review B</i> , 1998, 58, R1766-R1769.	3.2	57
18	Chapter 4 Diluted magnetic semiconductors. <i>Handbook of Magnetic Materials</i> , 1993, 7, 231-305.	0.6	53

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19	Cathodoluminescence study of diluted magnetic semiconductor quantum well/micromagnet hybrid structures. Applied Physics Letters, 2001, 79, 1789-1791.	3.3	53
20	Electron transport phenomena in narrow- and zero-gap semiconductors containing magnetic impurities. Physica Status Solidi (B): Basic Research, 1976, 78, 537-542.	1.5	51
21	g-factor dependence of the evolution of magneto-optical spectra with the density of quasi-two-dimensional electrons in $\text{Cd}_{1-x}\text{MnxTe}/\text{Cd}_{1-y}\text{MgyTe}$ heterostructures. Physical Review B, 1999, 59, R10437-R10440.	3.2	51
22	Quantum transport studies of grain boundaries in $\text{Hg}_{1-x}\text{MnxTe}$ . Applied Physics Letters, 1984, 45, 1214-1216.	3.3	50
23	Photoluminescence study and structural characterization of p-type ZnO doped by N and/or As acceptors. Semiconductor Science and Technology, 2007, 22, 10-14.	2.0	49
24	On the scattering of conduction electrons by magnetic impurities in semiconductors of InSb $\epsilon$ -type and HgTe $\epsilon$ -type band structure. Physica Status Solidi (B): Basic Research, 1975, 72, 359-367.	1.5	47
25	Influence of s-d Exchange Interaction on Universal Conductance Fluctuations in $\text{Cd}_{1-x}\text{MnxTe}/\text{In}$ . Physical Review Letters, 1995, 75, 3170-3173.	7.8	47
26	Transparent p-type ZnO films obtained by oxidation of sputter-deposited $\text{Zn}_3\text{N}_2$ . Solid State Communications, 2005, 135, 11-15.	1.9	47
27	Resonant states in semiconductors: A quantitative study of HgSe:Fe. Solid State Communications, 1990, 74, 833-837.	1.9	46
28	Excitons and Trions Modified by Interaction with a Two-Dimensional Electron Gas. Physica Status Solidi (B): Basic Research, 2001, 227, 343-352.	1.5	43
29	Band structure of HgSe and mixed crystals $\text{Hg}_{1-x}\text{Cd}_x\text{Se}$ and $\text{Hg}_x\text{S}_{1-x}\text{Se}_x$ from the interband magnetoabsorption. Journal of Physics C: Solid State Physics, 1982, 15, 3293-3318.	1.5	42
30	Structural and optical evidence of island correlation in CdTe/ZnTe superlattices. Applied Physics Letters, 2001, 78, 3884-3886.	3.3	42
31	Exciton spin relaxation time in quantum dots measured by continuous-wave photoluminescence spectroscopy. Applied Physics Letters, 2003, 83, 5524-5526.	3.3	41
32	Spin coherence of two-dimensional electron gas in CdTe/(Cd,Mg)Te quantum wells. Physica Status Solidi (B): Basic Research, 2006, 243, 878-881.	1.5	41
33	Extreme In-Plane Anisotropy of the Heavy-Hole g-Factor in (001)-CdTe/CdMnTe Quantum Wells. Physical Review Letters, 1999, 82, 3176-3179.	7.8	39
34	Diluted magnetic semiconductor quantum dots: An extreme sensitivity of the hole Zeeman splitting on the aspect ratio of the confining potential. Physical Review B, 2004, 70, .	3.2	39
35	Chapter 5 Band Structure and Quantum Transport Phenomena in Narrow-Gap Diluted Magnetic Semiconductors. Semiconductors and Semimetals, 1988, 25, 183-227.	0.7	38
36	A simple lattice-matching guide for superlattices and heterostructures of tetrahedrally-bonded semiconductors. Superlattices and Microstructures, 1986, 2, 89-96.	3.1	37

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37	Tuning the properties of magnetic CdMnTe quantum dots. Applied Physics Letters, 2003, 83, 3575-3577.	3.3	37
38	Impact of carrier redistribution on the photoluminescence of CdTe self-assembled quantum dot ensembles. Physical Review B, 2004, 69, .	3.2	37
39	Size-dependent magneto-optical effects in CdMnTe diluted magnetic quantum dots. Nanotechnology, 2008, 19, 235403.	2.6	37
40	p-type conducting ZnO: fabrication and characterisation. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 1119-1124.	0.8	36
41	Magnetic-Field Control of Photon Echo from the Electron-Trion System in a CdTe Quantum Well: Shuffling Coherence between Optically Accessible and Inaccessible States. Physical Review Letters, 2012, 109, 157403.	7.8	36
42	The disorder scattering in zincblende narrow-gap semiconducting mixed crystals. Physica Status Solidi (B): Basic Research, 1978, 86, 593-601.	1.5	35
43	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.	2.0	35
44	Manipulating the exciton fine structure of single CdTe/ZnTe quantum dots by an in-plane magnetic field. Physical Review B, 2007, 75, .	3.2	35
45	Exciton-controlled magnetization in single magnetic quantum dots. Applied Physics Letters, 2005, 87, 072502.	3.3	34
46	Spin-lattice relaxation in semimagnetic CdMnTe/CdMgTe quantum wells. Physical Review B, 2000, 62, R10641-R10644.	3.2	32
47	II-VI and IV-VI Diluted Magnetic Semiconductors – New Bulk Materials and Low-Dimensional Quantum Structures. Handbook of Magnetic Materials, 2003, 15, 289-377.	0.6	32
48	Giant Spin Splitting in Optically Active ZnMnTe/ZnMgTe Core/Shell Nanowires. Nano Letters, 2012, 12, 3404-3409.	9.1	32
49	Graded Quantum Well Structures Made of Diluted Magnetic Semiconductors. Acta Physica Polonica A, 1998, 94, 199-217.	0.5	31
50	Correlation of donor electrons in diluted magnetic semiconductors with iron. Semiconductor Science and Technology, 1990, 5, S260-S265.	2.0	30
51	Role of magnetic fluctuations in the luminescence line width of small systems. Solid State Communications, 2002, 122, 73-77.	1.9	30
52	Resonant spectroscopy of II-VI self-assembled quantum dots: Excited states and exciton-longitudinal optical phonon coupling. Physical Review B, 2004, 70, .	3.2	30
53	Positively versus negatively charged excitons: A high magnetic field study of CdTe/Cd <sub>1-x</sub> Mg <sub>x</sub> Te quantum wells. Physical Review B, 2011, 83, .	3.2	30
54	Indirect exchange interaction via electrons in spin-orbit coupled bands in semiconductors. Physica Status Solidi (B): Basic Research, 1979, 96, 735-744.	1.5	29

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55	Growth and Optical Properties of Mn-Containing II-VI Quantum Dots. <i>Physica Status Solidi (B): Basic Research</i> , 2002, 229, 469-472.	1.5	29
56	Optical spin pumping of modulation-doped electrons probed by a two-color Kerr rotation technique. <i>Physical Review B</i> , 2006, 74, .	3.2	29
57	Spin-flip Raman scattering of the neutral and charged excitons confined in a CdTe/(Cd,Mg)Te quantum well. <i>Physical Review B</i> , 2013, 87, .	3.2	29
58	Energy levels at $\Gamma$ -point in Hg <sub>1-x</sub> Mn <sub>x</sub> Te in intense magnetic fields. <i>Physica Status Solidi (B): Basic Research</i> , 1979, 95, 359-367.	1.5	28
59	Valence-band states in diluted magnetic semiconductor quantum wires. <i>Physical Review B</i> , 2000, 61, 4449-4452.	3.2	28
60	DX centres and Coulomb potential fluctuations. <i>Semiconductor Science and Technology</i> , 1991, 6, B38-B46.	2.0	27
61	Magnetopolaron effect on shallow indium donors in CdTe. <i>Physical Review B</i> , 1996, 54, 1467-1470.	3.2	27
62	Optical properties of annealed CdTe self-assembled quantum dots. <i>Applied Physics Letters</i> , 2003, 83, 254-256.	3.3	27
63	Parametric modeling of the dielectric functions of Cd <sub>1-x</sub> Mg <sub>x</sub> Te alloy films. <i>Thin Solid Films</i> , 2004, 455-456, 222-227.	1.8	27
64	Excitons in novel diluted magnetic semiconductor quantum structures. <i>Thin Solid Films</i> , 1997, 306, 271-282.	1.8	26
65	Dynamical equilibrium between excitons and trions in CdTe quantum wells in high magnetic fields. <i>Physical Review B</i> , 2002, 66, .	3.2	26
66	Influence of MBE growth conditions on optical properties of CdTe/ZnTe quantum structures. <i>Thin Solid Films</i> , 2000, 367, 210-215.	1.8	25
67	Optical control of electron spin coherence in CdTe/(Cd,Mg)Te quantum wells. <i>Physical Review B</i> , 2010, 81, .	3.2	25
68	Electron spin polarization through interactions between excitons, trions, and the two-dimensional electron gas. <i>Physical Review B</i> , 2007, 75, .	3.2	24
69	All-optical NMR in semiconductors provided by resonant cooling of nuclear spins interacting with electrons in the resonant spin amplification regime. <i>Physical Review B</i> , 2014, 90, .	3.2	24
70	Parabolic quantum wells of diluted magnetic semiconductor Cd <sub>1-x</sub> Mn <sub>x</sub> Te. <i>Applied Physics Letters</i> , 1996, 68, 3326-3328.	3.3	23
71	Acceleration of the spin-lattice relaxation in diluted magnetic quantum wells in the presence of a two-dimensional electron gas. <i>Physical Review B</i> , 2001, 64, .	3.2	23
72	Exciton Spectroscopy of Single CdTe and CdMnTe Quantum Dots. <i>Physica Status Solidi (B): Basic Research</i> , 2002, 229, 493-496.	1.5	23

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73	Photoluminescence and excitation spectra of Zn <sub>1-x</sub> MnxSe films and superlattices grown by molecular-beam epitaxy. Journal of Applied Physics, 1987, 61, 3011-3019.	2.5	22
74	Magnetorelectivity study of the band structure of Hg <sub>1-x</sub> MnxTe (0.026 ≤ x ≤ 0.106). Physical Review B, 1985, 31, 2040-2048.	3.2	21
75	Manganese diffusion in MBE-grown Cd(Mn)Te structures. Journal of Crystal Growth, 1996, 159, 980-984.	1.5	21
76	Temperature variation of the luminescence spectra in crystals. Semiconductor Science and Technology, 1996, 11, 48-54.	2.0	21
77	Optical injection of spin-polarized carriers across a strongly mismatched heterostructure. Solid State Communications, 2001, 119, 371-376.	1.9	21
78	The dependence of the quantum oscillation amplitude on spin splitting. Solid State Communications, 1978, 27, 1237-1240.	1.9	20
79	Combined exciton and trion excitations in modulation doped quantum well structures. Physica B: Condensed Matter, 2001, 298, 315-319.	2.7	20
80	Magneto-optical properties of the diluted magnetic semiconductor -type ZnMnO. Solid State Communications, 2006, 139, 541-544.	1.9	20
81	Band structure and electronic properties of mercury chalcogenide alloys containing iron. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1987, 5, 2995-3002.	2.1	19
82	Heating of the spin system by nonequilibrium phonons in semimagnetic (Cd,Mn,Mg)Te quantum wells. Physical Review B, 1999, 60, 5609-5616.	3.2	19
83	II-VI quantum structures with tunable electron -factor. Journal of Crystal Growth, 2000, 214-215, 378-386.	1.5	19
84	Exciton spin relaxation in quasiresonantly excited CdTe•ZnTe self-assembled quantum dots. Physical Review B, 2004, 70, .	3.2	19
85	Photoluminescence and far-infrared spectroscopy of PbS quantum dots • Polyvinyl alcohol nanocomposite. Optical Materials, 2008, 30, 1177-1182.	3.6	19
86	Spin Splitting Anisotropy in Single Diluted Magnetic Nanowire Heterostructures. Nano Letters, 2015, 15, 1972-1978.	9.1	19
87	Appearance and destruction of spatial correlation of DX charges in GaAs. Semiconductor Science and Technology, 1991, 6, B34-B37.	2.0	18
88	Comment on •HgSe: Metal or Semiconductor? Physical Review Letters, 1998, 81, 1535-1535.	7.8	18
89	Engineering of spin-lattice relaxation dynamics by digital growth of diluted magnetic semiconductor CdMnTe. Applied Physics Letters, 2006, 88, 152105.	3.3	18
90	Spin coherence of holes and electrons in undoped CdTe/(Cd,Mg)Te quantum wells. Physical Review B, 2009, 79, .	3.2	18

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91	Rapid thermal processing of semimagnetic superstructures studied by magnetorefectivity. Superlattices and Microstructures, 1994, 16, 63-66.	3.1	17
92	Sensitivity of exciton spin relaxation in quantum dots to confining potential. Applied Physics Letters, 2005, 86, 103101.	3.3	17
93	Electron spin coherence in n-doped CdTe/CdMgTe quantum wells. Applied Physics Letters, 2006, 89, 221113.	3.3	17
94	Monte Carlo simulations of spatial correlation effects of charged centres in delta -doping layers. Semiconductor Science and Technology, 1992, 7, 1155-1161.	2.0	16
95	Channels of Cd diffusion and stoichiometry in CdTe grown by molecular beam epitaxy. Applied Physics Letters, 1998, 72, 206-208.	3.3	16
96	Exciton magnetic polarons in (100)- and (120)-oriented semimagnetic digital alloys (Cd,Mn)Te. Physical Review B, 1998, 58, 4785-4792.	3.2	16
97	Pressure effect on magneto-optical properties in CdTe/(Cd, Mn)Te single quantum wells with high Mn concentration. Journal of Applied Physics, 1999, 85, 5935-5937.	2.5	16
98	Excitons in diluted magnetic semiconductor quantum wires. Physica E: Low-Dimensional Systems and Nanostructures, 2001, 10, 378-382.	2.7	16
99	Spin-flip Raman scattering in semi-magnetic quantum wells with in-plane anisotropy: Analysis of the intermediate states. Physical Review B, 2003, 67, .	3.2	16
100	Optically induced instability of spin precession in magnetic quantum wells. Physical Review B, 2003, 67, .	3.2	16
101	Subwavelength multichannel imaging using a solid immersion lens: Spectroscopy of excitons in single quantum dots. Applied Physics Letters, 2004, 85, 5463-5465.	3.3	16
102	Optical studies of zero-field magnetization of CdMnTe quantum dots: Influence of average size and composition of quantum dots. Journal of Applied Physics, 2004, 96, 7407-7413.	2.5	16
103	Influence of quantum dot density on excitonic transport and recombination in CdZnTe/ZnTe QD structures. Solid State Communications, 2005, 133, 369-373.	1.9	16
104	Linear polarization of the photoluminescence of quantum wells subject to in-plane magnetic fields. Physical Review B, 2006, 74, .	3.2	16
105	Photoluminescence of highly doped Cd <sub>1-x</sub> Mn <sub>x</sub> S nanocrystals. Journal of Alloys and Compounds, 2010, 497, 46-51.	5.5	16
106	Thermo-oscillations of magnetoresistance in Hg <sub>1-x</sub> Mn <sub>x</sub> Te. Solid State Communications, 1979, 30, 25-29.	1.9	15
107	Properties of epitaxially grown CdTe layers doped with indium. Thin Solid Films, 1995, 267, 79-83.	1.8	15
108	Characterization of normal and inverted interfaces by the Zeeman effect in Cd <sub>1-x</sub> Mn <sub>x</sub> Te/CdTe/Cd <sub>1-y</sub> Mg <sub>y</sub> Te quantum wells. Physical Review B, 1998, 57, 4708-4712.	3.2	15

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109	Zeeman-gap anomaly in photoluminescence from a two-dimensional electron gas in CdTe/(Cd, Mg)Te quantum wells. <i>Physical Review B</i> , 1999, 59, 7327-7329.	3.2	15
110	Photo-induced magnetic polarons in low-dimensional dilute magnetic semiconductors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1999, 63, 111-118.	3.5	15
111	Direct measurement of the lattice parameter of thick stable zinc-blende MgTe layer. <i>Journal of Alloys and Compounds</i> , 1999, 286, 276-278.	5.5	15
112	On the quantum limit behaviour of the magnetoresistance in non-parabolic semiconductors. <i>Solid State Communications</i> , 1978, 27, 1401-1403.	1.9	14
113	Anomalous Magnetoconductivity in Semimagnetic Semiconductors Showing Metallic Conduction. <i>Journal of the Physical Society of Japan</i> , 1984, 53, 1128-1135.	1.6	14
114	Peculiarities of transport properties in semiconductors with resonant impurities: HgSe : Fe versus PbTe : Cr. <i>Journal of Crystal Growth</i> , 1994, 138, 1034-1039.	1.5	14
115	Exciton magnetic polarons in CdTe/Cd $_{1-x}$ MnxTe quantum wells with high manganese contents. <i>Solid State Communications</i> , 1995, 96, 297-304.	1.9	14
116	Spin diffusion in the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{Mn} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle$ system of II-VI diluted magnetic semiconductor heterostructures. <i>Physical Review B</i> , 2010, 82, .	3.2	14
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, .	3.2	14
118	Quantum transport in semimagnetic HgMnTe inversion layers " Experiment and theory. <i>Surface Science</i> , 1984, 142, 588-592.	1.9	13
119	Interface characterisation in (Cd,Mn)Te quantum wells and superlattices. <i>Solid State Communications</i> , 1995, 94, 439-443.	1.9	13
120	Magnetic Properties of Cd $_{1-x}$ MnxTe and Zn $_{1-x}$ MnxTe Epilayers with High Concentration of Mn. <i>Physica Status Solidi A</i> , 2000, 177, 555-566.	1.7	13
121	Annealing-Induced Changes in Electrical, Optical, and Magnetic Properties of Phosphorus Doped Bulk Zn $_{1-x}$ MnxTe. <i>Physica Status Solidi (B): Basic Research</i> , 2002, 229, 53-56.	1.5	13
122	Spin and Orbital Quantization of Electronic States as Origins of Second Harmonic Generation in Semiconductors. <i>Physical Review Letters</i> , 2006, 96, 117211.	7.8	13
123	Activation of an intense near band edge emission from ZnTe/ZnMgTe core/shell nanowires grown on silicon. <i>Nanotechnology</i> , 2013, 24, 365201.	2.6	13
124	Strain-induced energy gap variation in ZnTe/ZnMgTe core/shell nanowires. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	13
125	Spin-dependent scattering of conduction electrons in Cd $_{3-x-y}$ ZnxMnyAs $_2$ alloys. <i>Semiconductor Science and Technology</i> , 1991, 6, 619-625.	2.0	12
126	Characterization of MBE grown Cd $_{1-x}$ MnxTe structures by SQUID magnetometry. <i>Superlattices and Microstructures</i> , 1994, 15, 475-478.	3.1	12



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127	Luminescence detection of nonequilibrium phonons in CdTe/Cd <sub>0.6</sub> Mn <sub>0.4</sub> Te semimagnetic quantum wells. <i>Physical Review B</i> , 1997, 56, 12100-12103.	3.2	12
128	Fine structure of exciton levels in quantum wells. <i>Solid State Communications</i> , 1997, 104, 465-468.	1.9	12
129	Cyclotron resonance in high mobility CdTe/CdMgTe 2D electron system in the integer quantum Hall regime. <i>Physica B: Condensed Matter</i> , 1998, 256-258, 457-461.	2.7	12
130	Excitons in parabolic quantum wells. <i>Semiconductor Science and Technology</i> , 1998, 13, 1076-1079.	2.0	12
131	Biexciton spin states of diluted magnetic semiconductor quantum wells in high magnetic fields. <i>Physica B: Condensed Matter</i> , 2001, 298, 421-425.	2.7	12
132	Optical properties of Cd <sub>1-x</sub> Mg <sub>x</sub> Te (x=0.00, 0.23, 0.31, and 0.43) alloy films. <i>Applied Physics Letters</i> , 2004, 84, 693-695.	3.3	12
133	Hydrostatic pressure study of indium DX-like centers in MBE-grown CdTe and CdMnTe layers. <i>Journal of Crystal Growth</i> , 1996, 159, 392-396.	1.5	11
134	Universal conductance fluctuations in submicron wires of. <i>Semiconductor Science and Technology</i> , 1996, 11, 1618-1623.	2.0	11
135	Excitons in extremely shallow quantum wells. <i>Physical Review B</i> , 1997, 56, 9775-9781.	3.2	11
136	Variational calculation of the trion complex in CdTe quantum well. <i>Solid State Communications</i> , 2001, 118, 295-299.	1.9	11
137	Motion of neutral and negatively charged excitons in high magnetic fields. <i>Physica B: Condensed Matter</i> , 2001, 298, 397-401.	2.7	11
138	Thermal Carrier Escape and Capture in CdTe Quantum Dots. <i>Physica Status Solidi (B): Basic Research</i> , 2001, 224, 465-469.	1.5	11
139	Negative trions in CdTe quantum wells in the presence of a magnetic field- a numerical study. <i>Semiconductor Science and Technology</i> , 2002, 17, 237-242.	2.0	11
140	Spin injection through different g-factor heterointerfaces using negative trions for spin detection. <i>Applied Physics Letters</i> , 2003, 82, 541-543.	3.3	11
141	Preparation and characterization of hexagonal MnTe and ZnO layers. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005, 2, 1218-1223.	0.8	11
142	Magnetic-field-induced second-harmonic generation in the diluted magnetic semiconductors Cd <sub>1-x</sub> Mn <sub>x</sub> Te. <i>Physical Review B</i> , 2006, 74, .	3.2	11
143	Optical orientation of hole magnetic polarons in (Cd,Mn)Te/(Cd,Mn,Mg)Te quantum wells. <i>Physical Review B</i> , 2016, 93, .	3.2	11
144	The effect of DX centres on mobility in heavily doped n-GaAs calculated by Monte Carlo simulations. <i>Semiconductor Science and Technology</i> , 1993, 8, 211-218.	2.0	10

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145	Magnons in layered MnTe/CdTe structures. Journal of Crystal Growth, 1998, 184-185, 947-951.	1.5	10
146	Circular polarization of excitonic luminescence in CdTe quantum wells with excess electrons of different densities. Physical Review B, 2001, 63, .	3.2	10
147	p-type ZnO and ZnMnO by oxidation of Zn(Mn)Te films. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 988-991.	0.8	10
148	Nanosecond spin memory of electrons in CdTe/CdMgTe quantum wells. Physica Status Solidi (B): Basic Research, 2006, 243, 858-862.	1.5	10
149	Tuning the inter-shell splitting in self-assembled CdTe quantum dots. Applied Physics Letters, 2011, 99, .	3.3	10
150	Landau levels in anisotropic (Cd <sub>1-x</sub> Mnx) <sub>3</sub> As <sub>2</sub> alloys. Journal of Physics C: Solid State Physics, 1982, 15, 4795-4806.	1.5	9
151	Luminescence study of CdTe/Cd <sub>1-x</sub> MnxTe quantum wells grown by MBE. Thin Solid Films, 1995, 267, 64-68.	1.8	9
152	Exciton magnetic polarons in asymmetric diluted magnetic semiconductor quantum wells. Physical Review B, 1999, 60, 11545-11549.	3.2	9
153	Two-Dimensional Excitons in Large Magnetic Field Gradients. Physica Status Solidi A, 2000, 178, 33-38.	1.7	9
154	Microluminescence from a diluted magnetic semiconductor quantum well in a proximity of an iron micromagnet. Solid State Communications, 2001, 120, 35-39.	1.9	9
155	Optical properties of CdTe/ZnTe quantum dot superlattices. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 12, 503-506.	2.7	9
156	Spatially correlated OD exciton states in CdTe/ZnTe semiconductor system. Journal of Luminescence, 2005, 112, 127-130.	3.1	9
157	Band structure study of quaternary semimagnetic Hg <sub>1-x</sub> Cd <sub>x</sub> MnTe. Journal of Crystal Growth, 1985, 72, 398-400.	1.5	8
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