Dmitri R Yakovlev

List of Publications by Year
in descending order

548	11,963	31976	54911
papers	citations	53 h-index	84 g-index

557	557	557	6462
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhanced magneto-optical effects in magnetoplasmonic crystals. Nature Nanotechnology, 2011, 6, 370-376.	31.5	498
2	Mode Locking of Electron Spin Coherences in Singly Charged Quantum Dots. Science, 2006, 313, 341-345.	12.6	409
3	Thermal activation of non-radiative Auger recombination in charged colloidal nanocrystals. Nature Nanotechnology, 2013, 8, 206-212.	31.5	219
4	Nuclei-Induced Frequency Focusing of Electron Spin Coherence. Science, 2007, 317, 1896-1899.	12.6	218
5	Ultrafast optical rotations of electron spins in quantum dots. Nature Physics, 2009, 5, 262-266.	16.7	211
6	Optical Control of Spin Coherence in Singly Charged(In,Ga)As/GaAsQuantum Dots. Physical Review Letters, 2006, 96, 227401.	7.8	193
7	Plasmon-mediated magneto-optical transparency. Nature Communications, 2013, 4, 2128.	12.8	180
8	Coherent Magnetization Precession in Ferromagnetic (Ga,Mn)As Induced by Picosecond Acoustic Pulses. Physical Review Letters, 2010, 105, 117204.	7.8	170
9	Electron and holegfactors measured by spin-flip Raman scattering in CdTe/Cd1âˆ'xMgxTe single quantum wells. Physical Review B, 1997, 56, 2114-2119.	3.2	150
10	Localized exciton magnetic polarons inCd1âˆ'xMnxTe. Physical Review B, 1994, 49, 10248-10258.	3.2	138
11	Spin Noise of Electrons and Holes in Self-Assembled Quantum Dots. Physical Review Letters, 2010, 104, 036601.	7.8	136
12	Universal behavior of the electrongfactor inGaAsâˆ•AlxGa1âˆ'xAsquantum wells. Physical Review B, 2007, 75, .	3.2	118
13	Kinetic Exchange between the Conduction Band Electrons and Magnetic Ions in Quantum-Confined Structures. Physical Review Letters, 1999, 83, 1431-1434.	7.8	114
14	Recombination Dynamics of Band Edge Excitons in Quasi-Two-Dimensional CdSe Nanoplatelets. Nano Letters, 2014, 14, 1134-1139.	9.1	109
15	Negatively Charged and Dark Excitons in CsPbBr₃ Perovskite Nanocrystals Revealed by High Magnetic Fields. Nano Letters, 2017, 17, 6177-6183.	9.1	103
16	Binding energy of charged excitons in ZnSe-based quantum wells. Physical Review B, 2002, 65, .	3.2	101
17	Coherent spin dynamics of electrons and holes in CsPbBr3 perovskite crystals. Nature Communications, 2019, 10, 673.	12.8	100
18	Hypersonic Modulation of Light in Three-Dimensional Photonic and Phononic Band-Gap Materials. Physical Review Letters, 2008, 101, 033902.	7.8	98

#	Article	IF	Citations
19	Combined Exciton-Cyclotron Resonance in Quantum Well Structures. Physical Review Letters, 1997, 79, 3974-3977.	7.8	95
20	Exciton oscillator strength in magnetic-field-induced spin superlattices CdTe/(Cd,Mn)Te. Physical Review B, 1992, 46, 7713-7722.	3.2	94
21	Low-temperature anti-Stokes luminescence mediated by disorder in semiconductor quantum-well structures. Physical Review B, 1995, 51, 18053-18056.	3.2	92
22	Addressing the exciton fine structure in colloidal nanocrystals: the case of CdSe nanoplatelets. Nanoscale, 2018, 10, 646-656.	5.6	89
23	Energy transfer from photocarriers into the magnetic ion system mediated by a two-dimensional electron gas in (Cd,Mn)Te/(Cd,Mg)Te quantum wells. Physical Review B, 2000, 61, 16870-16882.	3.2	88
24	Spin coherence of a two-dimensional electron gas induced by resonant excitation of trions and excitons in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Cd</mml:mi><mml:mi mathvariant="normal">Te</mml:mi><mml:mo>â•</mml:mo><mml:mrow><mml:mo>(</mml:mo><mml:mi) Tj ETQq0 0 0 rgBT /Overlock	q	8
25	mathvariant="normal Charged excitons in ZnSe-based quantum wells. Physical Review B, 1999, 60, R8485-R8488.	3.2	85
26	Heating of the magnetic ion system in (Zn, Mn)Se/(Zn, Be)Se semimagnetic quantum wells by means of photoexcitation. Physical Review B, 2001, 65, .	3.2	82
27	Tuning of the transverse magneto-optical Kerr effect in magneto-plasmonic crystals. New Journal of Physics, 2013, 15, 075024.	2.9	80
28	Intrinsic Spin Fluctuations Reveal the Dynamical Response Function of Holes Coupled to Nuclear Spin Baths in (In,Ga)As Quantum Dots. Physical Review Letters, 2012, 108, 186603.	7.8	77
29	Optical Spectroscopy of Spin Noise. Physical Review Letters, 2013, 110, 176601.	7.8	76
30	Spin Coherence of Holes in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>GaAs</mml:mi><mml:mo>/</mml:mo><mml:mo stretchy="false">(</mml:mo><mml:mi>Al</mml:mi><mml:mo>,</mml:mo><mml:mi>Ga</mml:mi><mml:mo) Tj ETQq0 0 0 rgBT /Overlo	7.8	75
31	Letters, 2007, 99, 187401. Laser mode feeding by shaking quantum dots in a planar microcavity. Nature Photonics, 2012, 6, 30-34.	31.4	74
32	Access to long-term optical memories using photon echoes retrieved from semiconductor spins. Nature Photonics, 2014, 8, 851-857.	31.4	74
33	Subsecond Spin Relaxation Times in Quantum Dots at Zero Applied Magnetic Field Due to a Strong Electron-Nuclear Interaction. Physical Review Letters, 2007, 98, 107401.	7.8	73
34	Oscillator strength of trion states in ZnSe-based quantum wells. Physical Review B, 2000, 62, 10345-10352.	3.2	72
35	Giant Electro-optical Anisotropy in Type-II Heterostructures. Physical Review Letters, 1999, 83, 3546-3549.	7.8	71
36	Exciton longitudinal-transverse splitting in GaAs/AlGaAs superlattices and multiple quantum wells. Solid State Communications, 1989, 70, 529-534.	1.9	69

#	Article	IF	Citations
37	Optical method for the determination of carrier density in modulation-doped quantum wells. Physical Review B, 2002, 65, .	3.2	67
38	Effect of thermal annealing on the hyperfine interaction in InAs/GaAs quantum dots. Physical Review B, 2008, 78, .	3.2	66
39	Exciton fine structure inInGaAsâˆ•GaAsquantum dots revisited by pump-probe Faraday rotation. Physical Review B, 2007, 75, .	3.2	65
40	Excitation of spin waves in ferromagnetic (Ga,Mn)As layers by picosecond strain pulses. Physical Review B, 2012, 85, .	3.2	65
41	Band-Edge Exciton Fine Structure and Recombination Dynamics in InP/ZnS Colloidal Nanocrystals. ACS Nano, 2016, 10, 3356-3364.	14.6	65
42	Spin dynamics of negatively charged excitons in CdSe/CdS colloidal nanocrystals. Physical Review B, 2013, 88, .	3.2	64
43	Ultrafast Band-Gap Shift Induced by a Strain Pulse in Semiconductor Heterostructures. Physical Review Letters, 2006, 97, 037401.	7.8	62
44	Ultrafast stop band kinetics in a three-dimensional opal-VO2photonic crystal controlled by a photoinduced semiconductor-metal phase transition. Physical Review B, 2007, 75, .	3.2	60
45	Picosecond Dynamics of the Photoinduced Spin Polarization in Epitaxial (Ga,Mn)As Films. Physical Review Letters, 2004, 92, 237203.	7.8	58
46	Spin Currents in Diluted Magnetic Semiconductors. Physical Review Letters, 2009, 102, 156602.	7.8	58
47	Plasmonic crystals for ultrafast nanophotonics: Optical switching of surface plasmon polaritons. Physical Review B, 2012, 85, .	3.2	58
48	Second-harmonic generation spectroscopy of excitons in ZnO. Physical Review B, 2013, 88, .	3.2	58
49	Negatively Charged Excitons in CdSe Nanoplatelets. Nano Letters, 2020, 20, 1370-1377.	9.1	58
50	Optically detected magnetic resonance of excess electrons in type-I quantum wells with a low-density electron gas. Physical Review B, 1998, 58, R1766-R1769.	3.2	57
51	Resonant driving of magnetization precession in a ferromagnetic layer by coherent monochromatic phonons. Physical Review B, 2015, 92, .	3.2	55
52	Two dimensional exciton magnetic polaron in CdTe/Cd1âˆ’xMnxTe quantum well structures. Solid State Communications, 1992, 82, 29-32.	1.9	54
53	Coherent spin dynamics of electrons and holes in semiconductor quantum wells and quantum dots under periodical optical excitation: Resonant spin amplification versus spin mode locking. Physical Review B, 2012, 85, .	3.2	54
54	Two-colour spin noise spectroscopy and fluctuation correlations reveal homogeneous linewidths within quantum-dot ensembles. Nature Communications, 2014, 5, 4949.	12.8	54

#	Article	IF	Citations
55	Tailored quantum dots for entangled photon pair creation. Physical Review B, 2006, 73, .	3.2	53
56	Dynamic spin polarization by orientation-dependent separation in a ferromagnetâ€“semiconductor hybrid. Nature Communications, 2012, 3, 959.	12.8	53
57	Homogeneous linewidth of excitons in semimagnetic CdTe/Cd1âˆ’xMnxTe multiple quantum wells. Physical Review B, 1993, 48, 2847-2850.	3.2	52
58	Picosecond inverse magnetostriction in galfenol thin films. Applied Physics Letters, 2013, 103, .	3.3	52
59	Coherent Acoustic Phonons in Colloidal Semiconductor Nanocrystal Superlattices. ACS Nano, 2016, 10, 1163-1169.	14.6	52
60	Exciton localization in semimagnetic semiconductors probed by magnetic polarons. Physical Review B, 1999, 60, 16499-16505.	3.2	51
61	Generation of spin waves by a train of fs-laser pulses: a novel approach for tuning magnon wavelength. Scientific Reports, 2017, 7, 5668.	3.3	50
62	Electron and Hole g-Factors and Spin Dynamics of Negatively Charged Excitons in CdSe/CdS Colloidal Nanoplatelets with Thick Shells. Nano Letters, 2018, 18, 373-380.	9.1	50
63	Carrier relaxation dynamics in self-assembled semiconductor quantum dots. Physical Review B, 2009, 80, .	3.2	49
64	Fine structure in the excitonic emission ofInAsâˆ•GaAsquantum dot molecules. Physical Review B, 2005, 71, .	3.2	47
65	Long-range pâ€“d exchange interaction in a ferromagnetâ€“semiconductor hybrid structure. Nature Physics, 2016, 12, 85-91.	16.7	47
66	Magnon polaron formed by selectively coupled coherent magnon and phonon modes of a surface patterned ferromagnet. Physical Review B, 2020, 102, .	3.2	47
67	Magnetization manipulation in (Ga,Mn)As by subpicosecond optical excitation. Applied Physics Letters, 2005, 86, 152506.	3.3	46
68	Magneto-optical properties ofZn0.95Mn0.05Se/Zn0.76Be0.08Mg0.16Sequantum wells andZn0.91Mn0.09Se/Zn0.972Be0.028Sespin superlattices. Physical Review B, 1999, 60, 2653-2660.	3.2	45
69	Spin-Induced Optical Second Harmonic Generation in the Centrosymmetric Magnetic Semiconductors EuTe and EuSe. Physical Review Letters, 2009, 103, 057203.	7.8	45
70	Coherent Coupling of Excitons and Trions in a Photoexcited CdTe/CdMgTe Quantum Well. Physical Review Letters, 2014, 112, 097401.	7.8	44
71	Magnetic polaron on dangling-bond spins in CdSe colloidal nanocrystals. Nature Nanotechnology, 2017, 12, 569-574.	31.5	44
72	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

#	Article	IF	Citations
73	Chirping of an Optical Transition by an Ultrafast Acoustic Soliton Train in a Semiconductor Quantum Well. Physical Review Letters, 2007, 99, 057402.	7.8	43
74	Orientation of chemical bonds at type-II heterointerfaces probed by polarized optical spectroscopy. Physical Review B, 2000, 61, R2421-R2424.	3.2	42
75	Exciton recombination dynamics in an ensemble of (In,Al)As/AlAs quantum dots with indirect band-gap and type-I band alignment. Physical Review B, 2011, 84, .	3.2	42
76	Tuning Energy Splitting and Recombination Dynamics of Dark and Bright Excitons in CdSe/CdS Dot-in-Rod Colloidal Nanostructures. Journal of Physical Chemistry C, 2014, 118, 22309-22316.	3.1	42
77	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
78	Anisotropy of electron and hole g-factors in (In,Ga)As quantum dots. Applied Physics Letters, 2011, 99, .	3.3	41
79	Exciton magnetic polarons in the semimagnetic alloysCd1âˆ’xâˆ’yMnxMgyTe. Physical Review B, 1994, 50, 14069-14076.	3.2	40
80	Temperature dependence of the zero-phonon linewidth inInAsâˆ•GaAsquantum dots. Physical Review B, 2004, 70, .	3.2	39
81	Magnetophotonic intensity effects in hybrid metal-dielectric structures. Physical Review B, 2014, 89, .	3.2	39
82	Molecular beam epitaxial growth of ultrathin CdTeâ€“CdMnTe quantum wells and their characterization. Applied Physics Letters, 1991, 59, 2995-2997.	3.3	38
83	Spin dephasing of fluorine-bound electrons in ZnSe. Physical Review B, 2012, 85, .	3.2	38
84	Spin-lattice relaxation of Mn ions inZnMnSeâˆ•ZnBeSequantum wells measured under pulsed photoexcitation. Physical Review B, 2006, 73, .	3.2	37
85	Long-Term Hole Spin Memory in the Resonantly Amplified Spin Coherence of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>InGaAs</mml:mi><mml:mo>/</mml:mo><mml:mi>GaAs</mml:mi></mml:math>Quantum Well Electrons. Physical Review Letters, 2009, 102, 167402.	7.8	37
86	Lasing from active optomechanical resonators. Nature Communications, 2014, 5, 4038.	12.8	37
87	Direct energy transfer from photocarriers to Mn-ion system in II-VI diluted-magnetic-semiconductor quantum wells. Physical Review B, 2006, 73, .	3.2	36
88	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
89	Longitudinal and transverse spin dynamics of donor-bound electrons in fluorine-doped ZnSe: Spin inertia versus Hanle effect. Physical Review B, 2015, 91, .	3.2	36
90	Direct Measurements of Magnetic Polarons in Cd_{1â€“x}Mn_xSe Nanocrystals from Resonant Photoluminescence. Nano Letters, 2017, 17, 3068-3075.	9.1	36

#	Article	IF	Citations
91	Giant exciton resonance reflectance in Bragg MQW structures. Superlattices and Microstructures, 1994, 15, 471-473.	3.1	35
92	Ultrafast control of light emission from a quantum-well semiconductor microcavity using picosecond strain pulses. Physical Review B, 2008, 78, .	3.2	35
93	Long-lived electron spin coherence in CdSe/Zn(S,Se) self-assembled quantum dots. Physical Review B, 2011, 84, .	3.2	35
94	Magnetization precession induced by quasitransverse picosecond strain pulses in (311) ferromagnetic (Ga,Mn)As. Physical Review B, 2013, 87, .	3.2	35
95	Magnon Accumulation by Clocked Laser Excitation as Source of Long-Range Spin Waves in Transparent Magnetic Films. Physical Review X, 2017, 7, .	8.9	35
96	First observation and experimental proof of free magnetic polaron formation in CdTe/(Cd, Mn)Te quantum wells. Solid State Communications, 1990, 76, 325-329.	1.9	34
97	Exciton lifetimes in CdTe/CdMnTe single quantum wells. Applied Physics Letters, 1992, 61, 2929-2931.	3.3	34
98	Exciton magnetic polarons in semimagnetic quantum wells with nonmagnetic and semimagnetic barriers. Solid State Communications, 1993, 88, 221-225.	1.9	34
99	Resonance optical spectroscopy of long-period quantum-well structures. Physics of the Solid State, 1997, 39, 1852-1858.	0.6	34
100	Magnetic-Field-Induced Second-Harmonic Generation in Semiconductor GaAs. Physical Review Letters, 2005, 94, 157404.	7.8	33
101	Energy relaxation of electrons inInAsâˆ•GaAsquantum dot molecules. Physical Review B, 2005, 72, .	3.2	33
102	Dynamics of the nuclear spin polarization by optically oriented electrons in a (In,Ga)As/GaAs quantum dot ensemble. Physical Review B, 2009, 80, .	3.2	33
103	Effect of pump-probe detuning on the Faraday rotation and ellipticity signals of mode-locked spins in (In,Ga)As/GaAs quantum dots. Physical Review B, 2010, 82, .	3.2	33
104	Leadâ€Dominated Hyperfine Interaction Impacting the Carrier Spin Dynamics in Halide Perovskites. Advanced Materials, 2022, 34, e2105263.	21.0	33
105	Spin-lattice relaxation in semimagnetic CdMnTe/CdMgTe quantum wells. Physical Review B, 2000, 62, R10641-R10644.	3.2	32
106	Robust manipulation of electron spin coherence in an ensemble of singly charged quantum dots. Physical Review B, 2007, 75, .	3.2	32
107	Collective single-mode precession of electron spins in an ensemble of singly charged (In,Ga)As/GaAs quantum dots. Physical Review B, 2009, 79, .	3.2	32
108	Dynamic Evolution from Negative to Positive Photocharging in Colloidal CdS Quantum Dots. Nano Letters, 2017, 17, 2844-2851.	9.1	32

#	Article	IF	Citations
109	Surface spin magnetism controls the polarized exciton emission from CdSe nanoplatelets. Nature Nanotechnology, 2020, 15, 277-282.	31.5	32
110	Definitive observation of the dark triplet ground state of charged excitons in high magnetic fields. Physical Review B, 2005, 71, .	3.2	31
111	Systematic study of carrier correlations in the electron-hole recombination dynamics of quantum dots. Physical Review B, 2007, 76, .	3.2	31
112	Theory of magnetization precession induced by a picosecond strain pulse in ferromagnetic semiconductor (Ga,Mn)As. Physical Review B, 2011, 84, .	3.2	31
113	Time-resolved and continuous-wave optical spin pumping of semiconductor quantum wells. Semiconductor Science and Technology, 2008, 23, 114001.	2.0	30
114	Optically detected magnetic resonance at the quadrupole-split nuclear states in (In,Ga)As/GaAs quantum dots. Physical Review B, 2010, 82, .	3.2	30
115	Positively versus negatively charged excitons: A high magnetic field study of CdTe/Cd1âˆ’xMgxTe quantum wells. Physical Review B, 2011, 83, .	3.2	30
116	Spin-flip Raman scattering of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î“</mml:mi><mml:mtext>â€“</mml:mtext><mml:mi>X</mml:mi></mml:mrow></mml:math> exciton in indirect band gap (In,Al)As/AlAs quantum dots. Physical Review B, 2014, 90, .	3.2	30
117	Exciton Parameters and Electron Miniband Structure of GaAs/AlGaAs Superlattices. Physica Status Solidi (B): Basic Research, 1988, 150, 673-678.	1.5	29
118	Optical bandpass switching by modulating a microcavity using ultrafast acoustics. Physical Review B, 2010, 81, .	3.2	29
119	Spin-flip Raman scattering of the neutral and charged excitons confined in a CdTe/(Cd,Mg)Te quantum well. Physical Review B, 2013, 87, .	3.2	29
120	Exciton spin dynamics and photoluminescence polarization of CdSe/CdS dot-in-rod nanocrystals in high magnetic fields. Physical Review B, 2015, 91, .	3.2	29
121	Extended pump-probe Faraday rotation spectroscopy of the submicrosecond electron spin dynamics in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>n</mml:mi></mml:math> -type GaAs. Physical Review B, 2016, 94, .	3.2	29
122	High-resolution second harmonic generation spectroscopy with femtosecond laser pulses on excitons in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Cu</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mathvariant="normal">O</mml:mi></mml:mrow></mml:math>. Physical Review B, 2018, 98, .	3.2	29
123	Hidden In-Plane Anisotropy of Interfaces in Zn(Mn)Se/BeTe Quantum Wells with a Type-II Band Alignment. Physical Review Letters, 2002, 88, 257401.	7.8	28
124	Photon echo transients from an inhomogeneous ensemble of semiconductor quantum dots. Physical Review B, 2016, 93, .	3.2	28
125	The LandÃ© factors of electrons and holes in lead halide perovskites: universal dependence on the band gap. Nature Communications, 2022, 13, .	12.8	28
126	Picosecond dynamics of magnetic polarons governed by energy transfer to the Zeeman reservoir. Physical Review B, 1997, 56, 9782-9788.	3.2	27

#	Article	IF	Citations
127	Magneto-Stark Effect of Excitons as the Origin of Second Harmonic Generation in ZnO. Physical Review Letters, 2013, 110, 116402.	7.8	27
128	Large anisotropy of electron and hole<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>g</mml:mi></mml:math>factors in infrared-emitting InAs/InAlGaAs self-assembled quantum dots. Physical Review B, 2016, 93, .	3.2	27
129	Routing the emission of a near-surface light source by a magnetic field. Nature Physics, 2018, 14, 1043-1048.	16.7	27
130	Exciton Binding Energy in CdSe Nanoplatelets Measured by One- and Two-Photon Absorption. Nano Letters, 2021, 21, 10525-10531.	9.1	27
131	Kinetics of radiative recombination in strongly excited ZnSe/BeTe superlattices with a type-II band alignment. Applied Physics Letters, 1999, 75, 1231-1233.	3.3	26
132	Dynamical equilibrium between excitons and trions in CdTe quantum wells in high magnetic fields. Physical Review B, 2002, 66, .	3.2	26
133	Temperature-induced spin-coherence dissipation in quantum dots. Physical Review B, 2008, 78, .	3.2	26
134	Spin dynamics of electrons and holes in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>InGaAs</mml:mtext><mml:mo>/</mml:mo><mml:mtext>GaAs</mml:mtext></mml:mrow><wells at millikelvin temperatures. Physical Review B, 2010, 81, .	3.2	26
135	Hierarchy of relaxation times in the system of Mn-ion spins in photoexcited semimagnetic quantum wells. Physical Review B, 1996, 54, R8333-R8336.	3.2	25
136	Optical control of electron spin coherence in CdTe/(Cd,Mg)Te quantum wells. Physical Review B, 2010, 81, .	3.2	25
137	Hole spin precession in a (In,Ga)As quantum dot ensemble: From resonant spin amplification to spin mode locking. Physical Review B, 2012, 86, .	3.2	25
138	Generation of a localized microwave magnetic field by coherent phonons in a ferromagnetic nanograting. Physical Review B, 2018, 97, .	3.2	25
139	Electron spin polarization through interactions between excitons, trions, and the two-dimensional electron gas. Physical Review B, 2007, 75, .	3.2	24
140	Temperature dependence of hole spin coherence in (In,Ga)As quantum dots measured by mode-locking and echo techniques. Physical Review B, 2013, 87, .	3.2	24
141	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, .	3.2	24
142	Dynamics of exciton recombination in strong magnetic fields in ultrathin GaAs/AlAs quantum wells with indirect band gap and type-II band alignment. Physical Review B, 2016, 94, .	3.2	24
143	Origin of Two Larmor Frequencies in the Coherent Spin Dynamics of Colloidal CdSe Quantum Dots Revealed by Controlled Charging. Journal of Physical Chemistry Letters, 2019, 10, 3681-3687.	4.6	24
144	Dynamics of two-dimensional exciton magnetic polaron in CdTe/(Cd,Mn)Te quantum wells. Journal of Crystal Growth, 1992, 117, 854-858.	1.5	23

#	Article	IF	Citations
145	Giant blue shift of photoluminescence in strongly excited type-II ZnSe/BeTe superlattices. JETP Letters, 1997, 66, 376-381.	1.4	23
146	Acceleration of the spin-lattice relaxation in diluted magnetic quantum wells in the presence of a two-dimensional electron gas. Physical Review B, 2001, 64, .	3.2	23
147	Terahertz polariton sidebands generated by ultrafast strain pulses in an optical semiconductor microcavity. Physical Review B, 2009, 80, .	3.2	23
148	Filtering of Elastic Waves by Opal-Based Hypersonic Crystal. Nano Letters, 2010, 10, 1319-1323.	9.1	23
149	Resources of polarimetric sensitivity in spin noise spectroscopy. Physical Review B, 2013, 88, .	3.2	23
150	Electric field effect on optical harmonic generation at the exciton resonances in GaAs. Physical Review B, 2015, 92, .	3.2	23
151	Electron and hole<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>g</mml:mi></mml:math>factors in InAs/InAlGaAs self-assembled quantum dots emitting at telecom wavelengths. Physical Review B, 2015, 92, .	3.2	23
152	Photon echoes from (In,Ga)As quantum dots embedded in a Tamm-plasmon microcavity. Physical Review B, 2017, 95, .	3.2	23
153	Picosecond Control of Quantum Dot Laser Emission by Coherent Phonons. Physical Review Letters, 2017, 118, 133901.	7.8	23
154	Spin inertia of resident and photoexcited carriers in singly charged quantum dots. Physical Review B, 2018, 98, .	3.2	23
155	Exciton magnetic polarons in short-period CdTe/Cd1âˆ’xMnxTe superlattices. Physical Review B, 1995, 52, 12033-12038.	3.2	22
156	Mn spin domains in highly photoexcited (Cd,Mn)Te/(Cd,Mg)Te quantum wells. Physical Review B, 1999, 59, 2050-2056.	3.2	22
157	Universal estimation of X- trion binding energy in semiconductor quantum wells. European Physical Journal B, 2005, 47, 541-547.	1.5	22
158	Coupled electron-nuclear spin dynamics in quantum dots: A graded box model approach. Physical Review B, 2009, 80, .	3.2	22
159	Spin-polarized electric currents in diluted magnetic semiconductor heterostructures induced by terahertz and microwave radiation. Physical Review B, 2012, 86, .	3.2	22
160	Theory of spin inertia in singly charged quantum dots. Physical Review B, 2018, 98, .	3.2	22
161	Orbital quantization of electronic states in a magnetic field as the origin of second-harmonic generation in diamagnetic semiconductors. Physical Review B, 2006, 74, .	3.2	21
162	Electron-spin dephasing inGaAsâˆ•Al0.34Ga0.66Asquantum wells with a gate-controlled electron density. Physical Review B, 2007, 75, .	3.2	21

#	Article	IF	Citations
163	Exciton states in shallow ZnSe/(Zn,Mg)Se quantum wells: Interaction of confined and continuum electron and hole states. Physical Review B, 2011, 83, .	3.2	21
164	Spin dynamics and magnetic field induced polarization of excitons in ultrathin GaAs/AlAs quantum wells with indirect band gap and type-II band alignment. Physical Review B, 2017, 96, .	3.2	21
165	Single and Double Electron Spin-Flip Raman Scattering in CdSe Colloidal Nanoplatelets. Nano Letters, 2020, 20, 517-525.	9.1	21
166	Magneto-Stark and Zeeman effect as origin of second harmonic generation of excitons in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Cu</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">O</mml:mi></mml:mrow></mml:math>. Physical Review B, 2020, 101, .	3.2	21
167	Combined exciton and trion excitations in modulation doped quantum well structures. Physica B: Condensed Matter, 2001, 298, 315-319.	2.7	20
168	Electron-spin dynamics in Mn-doped GaAs using time-resolved magneto-optical techniques. Physical Review B, 2009, 80, .	3.2	20
169	Long-term dynamics of the electron-nuclear spin system of a semiconductor quantum dot. Physical Review B, 2010, 81, .	3.2	20
170	Optical second harmonic generation in the centrosymmetric magnetic semiconductors EuTe and EuSe. Physical Review B, 2010, 81, .	3.2	20
171	Spin-flip Raman scattering of the resident electron in singly charged (In,Ga)As/GaAs quantum dot ensembles. Physical Review B, 2014, 90, .	3.2	20
172	Magneto-Optics of Excitons Interacting with Magnetic Ions in CdSe/CdMnS Colloidal Nanoplatelets. ACS Nano, 2020, 14, 9032-9041.	14.6	20
173	Two-dimensional exciton magnetic polaron in semimagnetic quantum wells. Surface Science, 1992, 263, 485-490.	1.9	19
174	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
175	IIâ€“VI quantum structures with tunable electron -factor. Journal of Crystal Growth, 2000, 214-215, 378-386.	1.5	19
176	Laser Action of Trions in a Semiconductor Quantum Well. Physical Review Letters, 2002, 89, 287402.	7.8	19
177	Control of quantum dot excitons by lateral electric fields. Applied Physics Letters, 2006, 89, 123105.	3.3	19
178	Multiple transfer of angular momentum quanta from a spin-polarized hole to magnetic ions inZn1âˆ’xMnxSeâ•Zn1âˆ’yBeySequantum wells. Physical Review B, 2006, 73, .	3.2	19
179	Modulation of a surface plasmon-polariton resonance by subterahertz diffracted coherent phonons. Physical Review B, 2012, 86, .	3.2	19
180	Nuclear magnetic resonances in (In,Ga)As/GaAs quantum dots studied by resonant optical pumping. Physical Review B, 2014, 89, .	3.2	19

#	Article	IF	Citations
181	Damping of Rabi oscillations in intensity-dependent photon echoes from exciton complexes in a CdTe/(Cd,Mg)Te single quantum well. Physical Review B, 2017, 96, .	3.2	19
182	Photon Echo from Localized Excitons in Semiconductor Nanostructures. Physics of the Solid State, 2018, 60, 1635-1644.	0.6	19
183	Spintronics of semiconductor, metallic, dielectric, and hybrid structures (100th anniversary of the) Tj ETQq1 1 0.784314 rgBT /Overlo	2.2	19
184	Transverse magneto-optical Kerr effect at narrow optical resonances. Nanophotonics, 2019, 8, 287-296.	6.0	19
185	Optical orientation and alignment of excitons in direct and indirect band gap (In,Al)As/AlAs quantum dots with type-I band alignment. Physical Review B, 2019, 99, .	3.2	19
186	Charge Separation Dynamics in CdSe/CdS Core/Shell Nanoplatelets Addressed by Coherent Electron Spin Precession. ACS Nano, 2020, 14, 7237-7244.	14.6	19
187	Spinâ€“lattice relaxation in semimagnetic CdMnTe/CdMgZnTe quantum wells with a two-dimensional hole gas tuned by optical excitation. Solid State Communications, 2001, 120, 17-20.	1.9	18
188	Magneto-optics of two-dimensional electron gases modified by strong Coulomb interactions in ZnSe quantum wells. Physical Review B, 2005, 72, .	3.2	18
189	Engineering of spin-lattice relaxation dynamics by digital growth of diluted magnetic semiconductor CdMnTe. Applied Physics Letters, 2006, 88, 152105.	3.3	18
190	Spin coherence of holes and electrons in undoped CdTe/(Cd,Mg)Te quantum wells. Physical Review B, 2009, 79, .	3.2	18
191	Spin relaxation of negatively charged excitons in (In,Al)As/AlAs quantum dots with indirect band gap and type-I band alignment. Applied Physics Letters, 2012, 101, 142108.	3.3	18
192	Discretization of the total magnetic field by the nuclear spin bath in fluorine-doped ZnSe. Nature Communications, 2018, 9, 1941.	12.8	18
193	Optically detected magnetic resonance of photoexcited electrons in (In,Al)As/AlAs quantum dots with indirect band gap and type-I band alignment. Physical Review B, 2018, 97, .	3.2	18
194	Coherent Spin Dynamics of Electrons and Holes in CsPbBr₃ Colloidal Nanocrystals. Nano Letters, 2021, 21, 8481-8487.	9.1	18
195	Reflectivity and Photoreflectivity in Superlattices and Quantum Wells. Physica Status Solidi (B): Basic Research, 1990, 161, 217-221.	1.5	17
196	Interface properties and in-plane linear photoluminescence polarization in highly excited type-II ZnSe/BeTe heterostructures with equivalent and nonequivalent interfaces. Journal of Applied Physics, 2002, 91, 652-657.	2.5	17
197	Electron spin coherence in n-doped CdTeâˆ•CdMgTe quantum wells. Applied Physics Letters, 2006, 89, 221113.	3.3	17
198	Ultrafast Optical Pumping of Spin and Orbital Polarizations in the Antiferromagnetic Mott InsulatorsR2CuO4. Physical Review Letters, 2007, 98, 047403.	7.8	17

#	Article	IF	Citations
199	Novel mechanisms of optical harmonics generation in semiconductors. Physica Status Solidi (B): Basic Research, 2010, 247, 1498-1504.	1.5	17
200	Dispersion of electron g-factor with optical transition energy in (In,Ga)As/GaAs self-assembled quantum dots. Applied Physics Letters, 2011, 98, 233102.	3.3	17
201	Exciton Spectroscopy of Semiconductors by the Method of Optical Harmonics Generation (Review). Physics of the Solid State, 2018, 60, 1471-1486.	0.6	17
202	Spin polarization recovery and Hanle effect for charge carriers interacting with nuclear spins in semiconductors. Physical Review B, 2020, 102, .	3.2	17
203	Exciton magnetic polarons in (100)- and (120)-oriented semimagnetic digital alloys (Cd,Mn)Te. Physical Review B, 1998, 58, 4785-4792.	3.2	16
204	Charged Exciton Dynamics in ZnSe/ZnMgSSe QWs. Physica Status Solidi A, 2000, 178, 501-505.	1.7	16
205	Optical third-harmonic spectroscopy of the magnetic semiconductor EuTe. Physical Review B, 2010, 82, .	3.2	16
206	Magnetic Polarons. Springer Series in Materials Science, 2010, , 221-262.	0.6	16
207	Resonant nuclear spin pumping in (In,Ga)As quantum dots. Physical Review B, 2011, 84, .	3.2	16
208	Optical Control of Coherent Interactions between Electron Spins in InGaAs Quantum Dots. Physical Review Letters, 2011, 107, 137402.	7.8	16
209	Hyperfine interaction mediated exciton spin relaxation in (In,Ga)As quantum dots. Physical Review B, 2012, 85, .	3.2	16
210	FÃ¶rster energy transfer of dark excitons enhanced by a magnetic field in an ensemble of CdTe colloidal nanocrystals. Physical Review B, 2015, 92, .	3.2	16
211	Long-Lived Negative Photocharging in Colloidal CdSe Quantum Dots Revealed by Coherent Electron Spin Precession. Journal of Physical Chemistry Letters, 2019, 10, 4994-4999.	4.6	16
212	Dynamic Polarization of Electron Spins Interacting with Nuclei in Semiconductor Nanostructures. Physical Review Letters, 2020, 125, 156801.	7.8	16
213	Measurement of the Knight field and local nuclear dipole-dipole field in an InGaAs/GaAs quantum dot ensemble. Physical Review B, 2009, 80, .	3.2	15
214	The QLA and QTA strain Picosecond opto-acoustic interferometry and polarimetry in high-index GaAs. Optics Express, 2013, 21, 16473.	3.4	15
215	Orientation of electron spins in hybrid ferromagnetâ€“semiconductor nanostructures. Physica Status Solidi (B): Basic Research, 2014, 251, 1663-1672.	1.5	15
216	Spin coherence of electrons and holes in ZnSeâ€based quantum wells studied by pumpâ€“probe Kerr rotation. Physica Status Solidi (B): Basic Research, 2014, 251, 1872-1880.	1.5	15

#	Article	IF	Citations
217	Exciton spin dynamics of colloidal CdTe nanocrystals in magnetic fields. Physical Review B, 2014, 89, .	3.2	15
218	Low voltage control of exchange coupling in a ferromagnet-semiconductor quantum well hybrid structure. Nature Communications, 2019, 10, 2899.	12.8	15
219	Coherent Spin Dynamics of Carriers. Springer Series in Solid-state Sciences, 2008, , 135-177.	0.3	15
220	Exciton magnetic polarons in CdTe/Cd1â^'xMnxTe quantum wells with high manganese contents. Solid State Communications, 1995, 96, 297-304.	1.9	14
221	Spin relaxation of Mn ions in (CdMn)Te/(CdMg)Te quantum wells under picosecond optical pumping. Journal of Experimental and Theoretical Physics, 1997, 85, 784-796.	0.9	14
222	Kinetics of Radiative Recombination in Strongly Excited ZnSe/BeTe Superlattices. Physica Status Solidi (B): Basic Research, 2000, 221, 523-527.	1.5	14
223	Magnetoluminescence of Zn(Mn)Se/Be(Mn)Te semimagnetic heterostructures with a type-II band alignment. Applied Physics Letters, 2001, 78, 1870-1872.	3.3	14
224	Optically detected magnetic resonance in (Zn,Mn)Se/(Zn,Be)Se quantum wells. Physical Review B, 2008, 78, .	3.2	14
225	Spin diffusion in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow><mml:mtext>Mn</mml:mtext></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:m system of II-VI diluted magnetic semiconductor heterostructures. Physical Review B, 2010, 82, .	3.2	14
226	Hybrid structures of magnetic semiconductors and plasmonic crystals: a novel concept for magneto-optical devices [Invited]. Journal of the Optical Society of America B: Optical Physics, 2012, 29, A103.	2.1	14
227	Resonant spin amplification of resident electrons in CdTe/(Cd,Mg)Te quantum wells subject to tilted magnetic fields. Physical Review B, 2012, 86, .	3.2	14
228	Optical third harmonic generation in the magnetic semiconductor EuSe. Physical Review B, 2012, 85, .	3.2	14
229	Dynamics of exciton magnetic polarons in CdMnSe/CdMgSe quantum wells: Effect of self-localization. Physical Review B, 2017, 95, .	3.2	14
230	Direct measurement of the long-range pâ^'d exchange coupling in a ferromagnet-semiconductor Co/CdMgTe/CdTe quantum well hybrid structure. Physical Review B, 2017, 96, .	3.2	14
231	Optical Excitation of Single- and Multimode Magnetization Precession in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mi>Fe</mml:mi></mml:math> - <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mi>Ga</mml:mi></mml:math> Nanolayers. Physical Review Applied, 2019, 11, .	3.8	14
232	Spin Dynamics of Electrons and Holes Interacting with Nuclei in MAPbI₃ Perovskite Single Crystals. ACS Photonics, 2022, 9, 1375-1384.	6.6	14
233	Spin and Orbital Quantization of Electronic States as Origins of Second Harmonic Generation in Semiconductors. Physical Review Letters, 2006, 96, 117211.	7.8	13
234	Generation and detection of mode-locked spin coherence in (In,Ga)As/GaAs quantum dots by laser pulses of long duration. Physical Review B, 2011, 84, .	3.2	13

#	Article	IF	Citations
235	Electron charge and spin delocalization revealed in the optically probed longitudinal and transverse spin dynamics in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>n</mml:mi></mml:math> -GaAs. Physical Review B, 2017, 96, .	3.2	13
236	Coherent Spin Dynamics of Carriers. Springer Series in Solid-state Sciences, 2017, , 155-206.	0.3	13
237	Optically excited spin pumping mediating collective magnetization dynamics in a spin valve structure. Physical Review B, 2018, 98, .	3.2	13
238	Novel CdTe/CdMgTe Graded Quantum Well Structures. Acta Physica Polonica A, 1997, 92, 1063-1066.	0.5	13
239	Interparticle interaction in spin-aligned and spin-degenerate exciton systems and magnetoplasmas in II-VI quantum wells. Physical Review B, 1996, 54, 4981-4987.	3.2	12
240	Luminescence detection of nonequilibrium phonons inCdTe/Cd0.6Mn0.4Tesemimagnetic quantum wells. Physical Review B, 1997, 56, 12100-12103.	3.2	12
241	Spin control in heteromagnetic nanostructures. Applied Physics Letters, 2005, 86, 162104.	3.3	12
242	Electron cyclotron mass in undopedCdTeâˆ•CdMnTequantum wells. Physical Review B, 2005, 72, .	3.2	12
243	Electric field control of magnetization dynamics in ZnMnSeâˆ•ZnBeSe diluted-magnetic-semiconductor heterostructures. Applied Physics Letters, 2006, 88, 212105.	3.3	12
244	Polarimetry of photon echo on charged and neutral excitons in semiconductor quantum wells. Scientific Reports, 2019, 9, 5666.	3.3	12
245	Suppression of nuclear spin fluctuations in an InGaAs quantum dot ensemble by GHz-pulsed optical excitation. Npj Quantum Information, 2021, 7, .	6.7	12
246	Room-temperature electron spin dynamics of Ce3+ions in a YAG crystal. Applied Physics Letters, 2017, 110, 222405.	3.3	12
247	Oscillator strength study of the 2Dâ€“3D exciton transition in CdTe/(Cd,Mn)Te quantum wells and superlattices. Solid State Communications, 1992, 81, 639-642.	1.9	11
248	Dynamics of exciton magnetic polarons in quantum wells. Journal of Crystal Growth, 1996, 159, 976-979.	1.5	11
249	Luminescence polarization and spontaneous lowering of symmetry caused by magnetic-polaron formation in semimagnetic-semiconductor quantum wells. Physics of the Solid State, 1997, 39, 1859-1863.	0.6	11
250	Motion of neutral and negatively charged excitons in high magnetic fields. Physica B: Condensed Matter, 2001, 298, 397-401.	2.7	11
251	Trions in ZnSe-Based Quantum Wells Probed by 50 T Magnetic Fields. Physica Status Solidi (B): Basic Research, 2001, 227, 353-363.	1.5	11
252	Second-harmonic generation in the magnetic semiconductor (Cd, Mn)Te. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 168.	2.1	11

#	Article	IF	Citations
253	Picosecond carrier relaxation in type-II ZnSe/BeTe heterostructures. JETP Letters, 2006, 83, 141-145.	1.4	11
254	Magnetic-field-induced second-harmonic generation in the diluted magnetic semiconductorsCd1âˆ'xMnxTe. Physical Review B, 2006, 74, .	3.2	11
255	Optical Orientation of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>Mn</mml:mi><mml:mrow><mml:mn>2</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:math>in GaAs in Weak Longitudinal Magnetic Fields. Physical Review Letters, 2011, 106, 147402.	7.8	11
256	Impact of nanomechanical resonances on lasing from electrically pumped quantum dot micropillars. Applied Physics Letters, 2015, 106, .	3.3	11
257	Dynamics of nuclear spin polarization induced and detected by coherently precessing electron spins in fluorine-doped ZnSe. Physical Review B, 2016, 93, .	3.2	11
258	Optical orientation of hole magnetic polarons in (Cd,Mn)Te/(Cd,Mn,Mg)Te quantum wells. Physical Review B, 2016, 93, .	3.2	11
259	Effect of the electron Coulomb potential on hole confinement in II-VI quantum wells. Physical Review B, 1992, 46, 9788-9791.	3.2	10
260	Effect of spin-glass order on magnetic polarons in semimagnetic semiconductors. Physical Review B, 1997, 55, 10519-10527.	3.2	10
261	Spin and energy transfer between magnetic ions and freecarriers in diluted-magnetic semiconductor heterostructures. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 989-992.	0.8	10
262	Nanosecond spin memory of electrons in CdTe/CdMgTe quantum wells. Physica Status Solidi (B): Basic Research, 2006, 243, 858-862.	1.5	10
263	Radiative and nonradiative recombination in type-II<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Zn</mml:mi><mml:mi mathvariant="normal">Se</mml:mi><mml:mo>âˆ•</mml:mo><mml:mi mathvariant="normal">Be</mml:mi><mml:mi mathvariant="normal">Te</mml:mi></mml:mrow></mml:math>quantum wells. Physical Review B, 2007,	3.2	10
264	Spin polarized electric currents in semiconductor heterostructures induced by microwave radiation. Applied Physics Letters, 2010, 97, .	3.3	10
265	Electron and hole spins in InP/(Ga,In)P self-assembled quantum dots. Physical Review B, 2012, 86, .	3.2	10
266	Magnetic field induced nutation of exciton-polariton polarization in (Cd,Zn)Te crystals. Physical Review B, 2013, 88, .	3.2	10
267	Inhomogeneous nuclear spin polarization induced by helicity-modulated optical excitation of fluorine-bound electron spins in ZnSe. Physical Review B, 2015, 92, .	3.2	10
268	Picosecond acoustics in semiconductor optoelectronic nanostructures. Ultrasonics, 2015, 56, 122-128.	3.9	10
269	Terahertz dynamics of lattice vibrations in Au/CdTe plasmonic crystals: Photoinduced segregation of Te and enhancement of optical response. Physical Review B, 2016, 93, .	3.2	10
270	The effect of dynamical compressive and shear strain on magnetic anisotropy in a low symmetry ferromagnetic film. Physica Scripta, 2017, 92, 054006.	2.5	10

#	Article	IF	Citations
271	The synthesis of clusters of iron oxides in mesopores of monodisperse spherical silica particles. Physics of the Solid State, 2017, 59, 1623-1628.	0.6	10
272	Spin Physics of Excitons in Colloidal Nanocrystals. Physics of the Solid State, 2018, 60, 1537-1553.	0.6	10
273	Coherent dynamics of localized excitons and trions in ZnO/(Zn,Mg)O quantum wells studied by photon echoes. Physical Review B, 2018, 97, .	3.2	10
274	Optically detected magnetic resonance in CdSe/CdMnS nanoplatelets. Nanoscale, 2020, 12, 21932-21939.	5.6	10
275	Rydberg Series of Dark Excitons in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Cu</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:mrow><mml:mi mathvariant="normal">O</mml:mi></mml:mrow></mml:math>. Physical Review Letters, 2020, 125, 207402.	7.8	10
276	Polarized emission of CdSe nanocrystals in magnetic field: the role of phonon-assisted recombination of the dark exciton. Nanoscale, 2021, 13, 790-800.	5.6	10
277	Excitonic quantum beats in Quantum wells. Solid State Communications, 1993, 88, 515-519.	1.9	9
278	Exciton dynamics in disordered quantum wells: Localized and delocalized regimes. Physical Review B, 1994, 50, 14651-14654.	3.2	9
279	Transient-four-wave-mixing studies of GaAs micro-crystallites. Solid State Communications, 1994, 92, 467-471.	1.9	9
280	Dephasing of excitons in a CdTe/Cd0.86Mn0.14Te multiple quantum well. Journal of Crystal Growth, 1994, 138, 791-795.	1.5	9
281	Time-resolved optically-detected magnetic resonance of II-VI diluted-magnetic-semiconductor heterostructures. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 174-178.	1.8	9
282	Spin mode locking in quantum dots revisited. Physica Status Solidi (B): Basic Research, 2014, 251, 1892-1911.	1.5	9
283	High-Resolution Two-Dimensional Optical Spectroscopy of Electron Spins. Physical Review X, 2017, 7, .	8.9	9
284	Third harmonic generation on exciton-polaritons in bulk semiconductors subject to a magnetic field. Physical Review B, 2018, 98, .	3.2	9
285	Decay and revival of electron spin polarization in an ensemble of (In,Ga)As quantum dots. Physical Review B, 2018, 98, .	3.2	9
286	Quantum Interference Controls the Electron Spin Dynamics in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>n</mml:mi></mml:math> -GaAs. Physical Review X, 2018, 8, .	8.9	9
287	Microscopic dynamics of electron hopping in a semiconductor quantum well probed by spin-dependent photon echoes. Physical Review B, 2019, 100, .	3.2	9
288	Electron-nuclei interaction in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>X</mml:mi></mml:math> valley of (In,Al)As/AlAs quantum dots. Physical Review B, 2020, 101, .	3.2	9

#	Article	IF	Citations
289	Second harmonic generation of cuprous oxide in magnetic fields. Physical Review B, 2020, 101, .	3.2	9
290	Toroidal nonreciprocity of optical second harmonic generation. Physical Review B, 2021, 103, .	3.2	9
291	Renormalization effects in dense neutral magnetoplasma photoexcited in CdTe/CdMnTe quantum wells. Physica Status Solidi (B): Basic Research, 1995, 188, 565-570.	1.5	8
292	Excitons and Trions in II-VI Quantum Wells with Modulation Doping. Physica Status Solidi (B): Basic Research, 2000, 221, 345-348.	1.5	8
293	Dynamics of localized Mn spins in diluted-magnetic-semiconductor nanostructures with quantum dots. Physica Status Solidi (B): Basic Research, 2004, 241, 361-369.	1.5	8
294	Photoâ€EPR and magnetoâ€optical spectroscopy of iron centres in ZnO. Physica Status Solidi (B): Basic Research, 2010, 247, 1517-1520.	1.5	8
295	Optical and photocurrent spectroscopy with picosecond strain pulses. Journal of Luminescence, 2011, 131, 404-408.	3.1	8
296	Hanle effect in (In,Ga)As quantum dots: Role of nuclear spin fluctuations. Physical Review B, 2013, 87, .	3.2	8
297	Resonant optical alignment and orientation of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mtext>Mn</mml:mtext><mml:mrow><mml:mn>2</mml:mn> in CdMnTe crystals. Physical Review B, 2015, 92, .	3.2	8
298	Quasi-ordering of composition fluctuations and their interaction with lattice imperfections in an optical spectra of dilute nitride alloys. Semiconductor Science and Technology, 2016, 31, 095012.	2.0	8
299	Time-resolved photon echoes from donor-bound excitons in ZnO epitaxial layers. Physical Review B, 2017, 96, .	3.2	8
300	Single-beam optical measurement of spin dynamics in CdTe/(Cd,Mg)Te quantum wells. Physical Review B, 2018, 98, .	3.2	8
301	Hyperfine Interactions and Slow Spin Dynamics in Quasi-isotropic InP-based Core/Shell Colloidal Nanocrystals. ACS Nano, 2019, 13, 10201-10209.	14.6	8
302	Second harmonic generation on the yellow <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>1</mml:mn><mml:mi>S</mml:mi></mml:mrow></mml:r exciton in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Cu</mml:mi><mml:mn>2</mml:mn></mml: mathvariant="normal">O</mml:mi></mml:mrow></mml:math> in symmetry-forbidden geometries. Physical Review B, 2019, 99, .	3.2	8
303	Optical Anisotropy of ZnSe/BeTe Superlattices Probed by Excitonic Spectroscopy. Acta Physica Polonica A, 1998, 94, 479-482.	0.5	8
304	Donor-interface acceptor pair emission in the abrupt heterointerface. Journal of Luminescence, 1988, 40-41, 747-748.	3.1	7
305	Light induced inversion of magnetic hysteresis in CdTe/(Cd,Mn)Te superlattices. Solid-State Electronics, 1994, 37, 1081-1085.	1.4	7
306	Double 2s-1sresonance in LO-phonon-assisted secondary emission of quantum-well structures. Physical Review B, 1995, 52, 5773-5776.	3.2	7

#	Article	IF	Citations
307	Optical studies of ZnSe/ZnMgSSe-based quantum-well semiconductor heterostructures. Physics of the Solid State, 1998, 40, 745-746.	0.6	7
308	Magneto-optics of charged excitons in ZnSe/ZnMgSSe quantum wells. Journal of Crystal Growth, 2000, 214-215, 823-826.	1.5	7
309	Inhomogeneous broadening of exciton lines in magneto-optical reflection from CdTe/CdMgTe quantum wells. European Physical Journal B, 2001, 24, 7-13.	1.5	7
310	Electric-field effects on the radiative recombination in type-II ZnSe/BeTe heterostructures with equivalent and nonequivalent interfaces. Physical Review B, 2002, 66, .	3.2	7
311	Combined exciton-electron optical processes in optical spectra of modulation doped QWs. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 17, 197-200.	2.7	7
312	Subnanosecond delay of light inCdxZn1âˆ’xTecrystals. Physical Review B, 2010, 82, .	3.2	7
313	Intensity magnetooptical effect in magnetoplasmonic crystals. Journal of Physics: Conference Series, 2011, 303, 012038.	0.4	7
314	Spin coherence generation in negatively charged self-assembled (In,Ga)As quantum dots by pumping excited trion states. Physical Review B, 2012, 86, .	3.2	7
315	Cyclotron-resonant exciton transfer between the nearly free and strongly localized radiative states of a two-dimensional hole gas in a high magnetic field. Physical Review B, 2012, 85, .	3.2	7
316	Dynamics of nuclear polarization in InGaAs quantum dots in a transverse magnetic field. Journal of Experimental and Theoretical Physics, 2012, 114, 681-690.	0.9	7
317	Ultrafast photoinduced linear and circular optical anisotropy in the multiferroic hexagonal manganite YMnO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review B, 2013, 88, .	3.2	7
318	Resonantly enhanced spin-lattice relaxation of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow><mml:mi>Mn</mml:mi></mml:mrow><mml:mrow><m in diluted magnetic (Zn,Mn)Se/(Zn,Be)Se quantum wells. Physical Review B, 2016, 93, .	3.2	7
319	Long coherent dynamics of localized excitons in (In,Ga)N/GaN quantum wells. Physical Review B, 2018, 98, .	3.2	7
320	Magnetic-field-induced crossover from the inverse Faraday effect to the optical orientation in EuTe. Journal of Applied Physics, 2018, 123, 193102.	2.5	7
321	Radiofrequency driving of coherent electron spin dynamics in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>n</mml:mi></mml:math> -GaAs detected by Faraday rotation. Physical Review B, 2019, 99, .	3.2	7
322	Exciton and exciton-magnon photoluminescence in the antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CuB</mml:mi><mml:mn>2</mml:mn></mml:mrow><mml:mrow><mml:mi mathvariant="normal">O</mml:mi><mml:mn>4</mml:mn></mml:mrow></mml:msub></mml:math>. Physical Review B, 2020, 102, .	3.2	7
323	Ultra-deep optical cooling of coupled nuclear spin-spin and quadrupole reservoirs in a GaAs/(Al,Ga)As quantum well. Communications Physics, 2021, 4, .	5.3	7
324	Dynamic polarization of electron spins in indirect band gap (In,Al)As/AlAs quantum dots in a weak magnetic field: Experiment and theory. Physical Review B, 2021, 104, .	3.2	7

#	Article	IF	Citations
325	Exciton States in Type-II ZnSe/BeTe Quantum Wells. Acta Physica Polonica A, 1997, 92, 953-957.	0.5	7
326	Photon Echo Polarimetry of Excitons and Biexcitons in a CH₃NH₃PbI₃ Perovskite Single Crystal. ACS Photonics, 2022, 9, 621-629.	6.6	7
327	Magnetic-field-induced dissociation of bound excitons in semi-magnetic semiconductor quantum wells. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1995, 17, 1549-1553.	0.4	6
328	Growth by molecular beam epitaxy and magnetooptical studies of (100)- and (120)-oriented digital magnetic quantum well structures. Thin Solid Films, 1997, 306, 283-290.	1.8	6
329	Optical study of spin glass-like transition in epilayers and quantum well structures containing Cd1â^'xMnxTe. Journal of Magnetism and Magnetic Materials, 1999, 191, 25-37.	2.3	6
330	Combined Exciton-Electron and Trion-Electron Excitations in ZnSe/ZnMgSSe Modulation-Doped Quantum Wells. Physica Status Solidi (B): Basic Research, 2002, 229, 543-547.	1.5	6
331	Diffusion of Carriers Induced by Exchange Interaction with Magnetic-Ion System in (Zn, Mn)Se/(Zn,) Tj ETQq1 1 0.784314 rgBT /Overl	1.5	6
332	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, .	3.2	6
333	Optical tailoring of electron spin coherence in quantum dots. Solid State Communications, 2009, 149, 1466-1471.	1.9	6
334	Spin and Energy Transfer Between Carriers, Magnetic Ions, and Lattice. Springer Series in Materials Science, 2010, , 263-303.	0.6	6
335	Destruction and recurrence of excitons by acoustic shock waves on picosecond time scales. Physical Review B, 2012, 86, .	3.2	6
336	Electron spin dynamics and optical orientation of Mn2+ ions in GaAs. Journal of Applied Physics, 2013, 113, 136501.	2.5	6
337	Hypersonic properties of monodisperse spherical mesoporous silica particles. Journal Physics D: Applied Physics, 2014, 47, 335303.	2.8	6
338	Ground and excited states of iron centers in ZnO: Pulse-EPR and magneto-optical spectroscopy. Physical Review B, 2015, 92, .	3.2	6
339	Nuclear spin polarization in the electron spin-flip Raman scattering of singly charged (In,Ga)As/GaAs quantum dots. Physical Review B, 2015, 92, .	3.2	6
340	Enhancement of electron hot spot relaxation in photoexcited plasmonic structures by thermal diffusion. Physical Review B, 2016, 94, .	3.2	6
341	Electron spin dynamics of Ce3+ ions in YAG crystals studied by pulse-EPR and pump-probe Faraday rotation. Physical Review B, 2017, 96, .	3.2	6
342	Dangling Bond Spins Controlling Recombination Dynamics of Excitons in Colloidal Nanocrystals and Nanoplatelets. Semiconductors, 2018, 52, 572-574.	0.5	6

#	Article	IF	Citations
343	All-optical quantum thermometry based on spin-level cross-relaxation and multicenter entanglement under ambient conditions in SiC. AIP Advances, 2018, 8, 085304.	1.3	6
344	Dual-Emitting Dot-in-Bulk CdSe/CdS Nanocrystals with Highly Emissive Core- and Shell-Based Trions Sharing the Same Resident Electron. Nano Letters, 2019, 19, 8846-8854.	9.1	6
345	Ultrafast strain-induced switching of a bistable cavity-polariton system. Physical Review B, 2019, 100, .	3.2	6
346	Recombination and spin dynamics of excitons in thin (Ga,Al)(Sb,As)/AlAs quantum wells with an indirect band gap and type-I band alignment. Physical Review B, 2020, 102, .	3.2	6
347	Stimulated Resonant Spin Amplification Reveals Millisecond Electron Spin Coherence Time of Rare-Earth Ions in Solids. Physical Review Letters, 2021, 127, 157401.	7.8	6
348	Submillisecond Spin Relaxation in CsPb(Cl,Br)₃ Perovskite Nanocrystals in a Glass Matrix. Nano Letters, 0, , .	9.1	6
349	Two dimensional magnetic polarons in semimagnetic quantum well structures. , 1992, , 251-264.		5
350	Resonant reflectivity study of exciton oscillator strength in CdTe/(Cd,Mn)Te quantum wells and superlattices. Journal of Crystal Growth, 1992, 117, 877-880.	1.5	5
351	High-Excitation Effects in the Optical Properties of ?-Doped ZnSe Quantum Wells. Physica Status Solidi (B): Basic Research, 2001, 227, 331-337.	1.5	5
352	Spin-Lattice Relaxation Study in Diluted Magnetic Semiconductor Quantum Wells and Quantum Dots. Physica Status Solidi (B): Basic Research, 2002, 229, 723-726.	1.5	5
353	Identification of singlet and triplet states of negatively charged excitons in CdTe-based quantum wells. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 551-554.	0.8	5
354	Electron spin dephasing in n-doped CdTe/(Cd, Mg)Te quantum wells. Physica Status Solidi (B): Basic Research, 2006, 243, 2290-2292.	1.5	5
355	COHERENT SPIN DYNAMICS OF ELECTRONS IN II-VI SEMICONDUCTOR QUANTUM WELLS. International Journal of Modern Physics B, 2007, 21, 1336-1346.	2.0	5
356	Formation of metastable above-barrier hole states in ZnSe/BeTe type II heterostructures under high-density optical excitation. JETP Letters, 2008, 88, 511-514.	1.4	5
357	Exciton magnetic polaron in CdMnSe/CdMgSe quantum wells. Physica Status Solidi (B): Basic Research, 2010, 247, 1508-1510.	1.5	5
358	Dynamical control of Mn spin-system cooling by photogenerated carriers in a (Zn,Mn)Se/BeTe heterostructure. Physical Review B, 2010, 82, .	3.2	5
359	Studying periodic nanostructures by probing the in-sample optical far-field using coherent phonons. Applied Physics Letters, 2012, 101, .	3.3	5
360	Uniaxial stress and Zeeman spectroscopy of the 3.324-eV Ge-related photoluminescence in ZnO. Physical Review B, 2013, 87, .	3.2	5

#	Article	IF	Citations
361	All-optical tomography of electron spins in (In,Ga)As quantum dots. Physical Review B, 2014, 89, .	3.2	5
362	All-optical implementation of a dynamic decoupling protocol for hole spins in (In,Ga)As quantum dots. Physical Review B, 2014, 90, .	3.2	5
363	Dispersion of the electron g factor anisotropy in InAs/InP self-assembled quantum dots. Journal of Applied Physics, 2016, 120, 084301.	2.5	5
364	Znâ€“VI quasiparticle gaps and optical spectra from many-body calculations. Journal of Physics Condensed Matter, 2017, 29, 215702.	1.8	5
365	Spin dynamics of quadrupole nuclei in InGaAs quantum dots. Physical Review B, 2017, 95, .	3.2	5
366	Nuclear spin cooling by helicity-alternated optical pumping at weak magnetic fields in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>n</mml:mi></mml:math> -GaAs. Physical Review B, 2017, 96, .	3.2	5
367	Effect of Dangling Bond Spins on the Dark Exciton Recombination and Spin Polarization in CdSe Colloidal Nanostructures. Journal of Electronic Materials, 2018, 47, 4338-4344.	2.2	5
368	Theoretical Modeling of the Nuclearâ€Field Induced Tuning of the Electron Spin Precession for Localized Spins. Physica Status Solidi (B): Basic Research, 2019, 256, 1800534.	1.5	5
369	Intrinsic and magnetic-field-induced linear polarization of excitons in ultrathin indirect-gap type-II GaAs/AlAs quantum wells. Physical Review B, 2019, 99, .	3.2	5
370	Anisotropic exchange splitting of excitons affected by Î“X mixing in (In,Al)As/AlAs quantum dots: Microphotoluminescence and macrophotoluminescence measurements. Physical Review B, 2019, 100, .	3.2	5
371	Quantum beats in the polarization of the spin-dependent photon echo from donor-bound excitons in CdTe/(Cd,Mg)Te quantum wells. Physical Review B, 2020, 101, .	3.2	5
372	Exchange interaction in the yellow exciton series of cuprous oxide. Physical Review B, 2021, 103, .	3.2	5
373	Exciton recombination and spin relaxation in strong magnetic fields in ultrathin (In,Al)As/AlAs quantum wells with indirect band gap and type-I band alignment. Physical Review B, 2021, 104, .	3.2	5
374	Extended spin coherence of the zinc-vacancy centers in ZnSe with fast optical access. Communications Materials, 2021, 2, .	6.9	5
375	Homogeneous optical anisotropy in an ensemble of InGaAs quantum dots induced by strong enhancement of the heavy-hole band LandÃ© parameter <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>q</mml:mi></mml:math>. Physical Review B, 2021, 104, .	3.2	5
376	Time resolved photoluminescence studies of perpendicular transport in CdTe/Cd1âˆ’xMnxTe shortâ€period superlattices. Journal of Applied Physics, 1993, 74, 5272-5274.	2.5	4
377	Exciton magnetic polarons in semimagnetic quantum wells and superlattices. European Physical Journal Special Topics, 1993, 03, 67-74.	0.2	4
378	Magnetic polarons in semimagnetic-semiconductor-based heterostructures. Physics of the Solid State, 1998, 40, 734-736.	0.6	4

#	Article	IF	Citations
379	Spin-phonon dynamics in doped magnetic quantum wells. Physica B: Condensed Matter, 2002, 316-317, 41-47.	2.7	4
380	Anisotropy of optical constants of ZnSe/BeTe heterostructures with no common atoms at the interfaces. Physics of the Solid State, 2004, 46, 780-787.	0.6	4
381	Non-resonant optical excitation of mode-locked electron spin coherence in (In,Ga)As/GaAs quantum dot ensemble. Applied Physics Letters, 2012, 100, 232107.	3.3	4
382	Excitation of complex spin dynamics patterns in a quantum-dot electron spin ensemble. Physical Review B, 2014, 90, .	3.2	4
383	Heating of the Mn spin system by photoexcited holes in typeâ€II (Zn,Mn)Se/(Be,Mn)Te quantum wells. Physica Status Solidi (B): Basic Research, 2014, 251, 1694-1699.	1.5	4
384	Template Synthesis of Monodisperse Spherical Nanocomposite SiO2/GaN:Eu3+ Particles. Semiconductors, 2018, 52, 1123-1128.	0.5	4
385	Spin dephasing of electrons and holes in isotopically purified ZnSe/(Zn,Mg)Se quantum wells. Physical Review B, 2019, 100, .	3.2	4
386	Optical harmonic generation on the exciton-polariton in ZnSe. Physical Review B, 2020, 102, .	3.2	4
387	Coexistence of Short- and Long-Range Ferromagnetic Proximity Effects in a Fe/(Cd,Mg)Te/CdTe Quantum Well Hybrid Structure. Nano Letters, 2021, 21, 2370-2375.	9.1	4
388	Recombination Processes in GaAs/AlGaAs Multi-Quantum Well Structures. , 1988, , 87-93.		4
389	In-plane anisotropy of the hole <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>g</mml:mi></mml:math> factor in CdTe/(Cd,Mg)Te quantum wells studied by spin-dependent photon echoes. Physical Review Research, 2020, 2, .	3.6	4
390	Zeeman and Davydov splitting of Frenkel excitons in the antiferromagnet CuB2O4. Physical Review B, 2022, 105, .	3.2	4
391	Combined Excitonâ€“Electron Processes in Modulation-Doped QW Structures. Physica Status Solidi A, 1997, 164, 213-216.	1.7	3
392	Resonant optical orientation and alignment of excitons in superlattices. Physics of the Solid State, 1998, 40, 2024-2030.	0.6	3
393	Exciton-electron interaction in quantum wells with a two dimensional electron gas of low density. Physics of the Solid State, 1999, 41, 751-756.	0.6	3
394	Optical anisotropy of surface-emitting ZnSe/BeTe LEDs. Superlattices and Microstructures, 2000, 27, 515-518.	3.1	3
395	Giant quantum-confined Pockels effect in type-II heterostructures. Journal of Crystal Growth, 2000, 214-215, 345-349.	1.5	3
396	Interaction of an electron gas with photoexcited electronâ€“hole pairs in modulation-doped GaAs and CdTe quantum wells. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 12, 499-502.	2.7	3

#	Article	IF	Citations
397	High magnetic field optical studies of 2DEG in modulation-doped ZnSe quantum wells. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 12, 512-515.	2.7	3
398	TEMPORAL DYNAMICS OF EXCITONâ€“TRION SYSTEM. International Journal of Nanoscience, 2003, 02, 453-459.	0.7	3
399	Acoustic solitons in semiconductor nanostructures. Journal of Physics: Conference Series, 2007, 92, 012002.	0.4	3
400	Dynamics of spin interactions in diluted magnetic semiconductor heterostructures. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 179-185.	1.8	3
401	Renormalization of the band gap in highly photoexcited type-II ZnSe/BeTe structures. Semiconductors, 2009, 43, 212-217.	0.5	3
402	Picosecond kinetics of the electronâ€hole layers formation in wideâ€bandgap IIâ€VI typeâ€II heterostructures. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 1533-1535.	0.8	3
403	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.	1.8	3
404	High magnetic field studies of charged exciton localization in GaAs/AlxGa1â^'xAs quantum wells. Applied Physics Letters, 2014, 105, 112104.	3.3	3
405	Advanced optical manipulation of carrier spins in (In,Ga)As quantum dots. Applied Physics B: Lasers and Optics, 2016, 122, 1.	2.2	3
406	Spin Dynamics of Charged and Neutral Excitons in Colloidal Nanocrystals. Journal of Electronic Materials, 2018, 47, 4260-4271.	2.2	3
407	Detection of nanowatt microwave radiation by the photoluminescence of an ensemble of negatively charged nitrogen vacancies in diamond. Applied Physics Letters, 2018, 113, .	3.3	3
408	Single-beam resonant spin amplification of electrons interacting with nuclei in a GaAs/(Al,Ga)As quantum well. Physical Review B, 2018, 98, .	3.2	3
409	Electron and hole spin relaxation in InP-based self-assembled quantum dots emitting at telecom wavelengths. Physical Review B, 2018, 98, .	3.2	3
410	Interfacial Ferromagnetism in a Co/CdTe Ferromagnet/Semiconductor Quantum Well Hybrid Structure. Physics of the Solid State, 2018, 60, 1578-1581.	0.6	3
411	Two-photon absorption and second harmonic generation of 1S para- and orthoexcitons in Cu2O coupled by a magnetic field. Physical Review B, 2020, 102, .	3.2	3
412	Anomalous magnetic suppression of spin relaxation in a two-dimensional electron gas in a GaAs/AlGaAs quantum well. Physical Review B, 2020, 101, .	3.2	3
413	Second-harmonic generation of blue series excitons and magnetoexcitons in Cu2O. Physical Review B, 2021, 104, .	3.2	3
414	Optically detected magnetic resonance of indirect excitons in an ensemble of (In,Al,Ga)As/(Al,Ga)As quantum dots. Physical Review B, 2021, 104, .	3.2	3

#	Article	IF	Citations
415	Extending the time of coherent optical response in ensemble of singly-charged InGaAs quantum dots. Communications Physics, 2022, 5, .	5.3	3
416	Optical phenomena elucidating carrier transport in short-period superlattices. Surface Science, 1990, 229, 459-463.	1.9	2
417	Photo-assisted molecular beam epitaxy of CdTeî—¸CdMnTe heterostructures. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1991, 9, 179-183.	3.5	2
418	Combined excitonâ€“electron excitation in quantum wells with a two-dimensional electron gas of low density. Superlattices and Microstructures, 1998, 23, 283-287.	3.1	2
419	Oscillator strength of excitons and charged excitons in ZnSe/ZnMgSSe QWs with a 2DEG of low density. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 6, 187-190.	2.7	2
420	Magneto-photoluminescence studies of Cd(Mn)Se/Zn(Mn)Se diluted magnetic nanostructures. Physica E: Low-Dimensional Systems and Nanostructures, 2001, 10, 362-367.	2.7	2
421	Dynamical Equilibrium between Excitons and Trions in CdTe Quantum Well Structures. Physica Status Solidi A, 2002, 190, 813-816.	1.7	2
422	Many body effects and internal transitions of confined excitons in GaAs and CdTe quantum wells. Solid State Communications, 2003, 127, 821-827.	1.9	2
423	Energy relaxation in CdSe/ZnSe quantum dots under the strong exciton-phonon coupling regime. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 924-927.	0.8	2
424	Sub-second electron spin lifetimes in quantum dots at zero applied magnetic field due to alignment of QD nuclei. Physica Status Solidi (B): Basic Research, 2006, 243, 3922-3927.	1.5	2
425	Spin Coherence of Holes in GaAs/AlGaAs Quantum Wells. AIP Conference Proceedings, 2007, , .	0.4	2
426	Phononic properties of opals. Journal of Physics: Conference Series, 2007, 92, 012107.	0.4	2
427	A way to a single frequency precession of an inhomogeneous ensemble of electron spins in InGaAs quantum dots. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 428-431.	0.8	2
428	Time-resolved Hanle effect in (In,Ga)As/GaAs quantum dots. Journal of Physics: Conference Series, 2010, 245, 012055.	0.4	2
429	The Hg isoelectronic defect in ZnO. Journal of Applied Physics, 2013, 114, 193515.	2.5	2
430	Monodisperse spherical mesoâ€“macroporous silica particles: Synthesis and adsorption of biological macromolecules. Physics of the Solid State, 2016, 58, 2339-2344.	0.6	2
431	Coherent spin dynamics of carriers in ferromagnetic semiconductor heterostructures with an Mn Î´ layer. Journal of Experimental and Theoretical Physics, 2016, 123, 420-428.	0.9	2
432	Picosecond Acoustics in Single Quantum Wells of Cubic GaN/(Al,Ga)N. Physical Review Applied, 2017, 7, .	3.8	2

#	Article	IF	Citations
433	Monodisperse coreâ€“shell particles composed of magnetite and dye-functionalized mesoporous silica. Technical Physics Letters, 2017, 43, 716-719.	0.7	2
434	ENDOR investigations of the Ce3+ ions in YAG: Transferred hyperfine interaction with nearest aluminum ions. Journal of Applied Physics, 2017, 122, 243903.	2.5	2
435	Spin-lattice relaxation of optically polarized nuclei in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>p</mml:mi></mml:math> -type GaAs. Physical Review B, 2018, 97, .	3.2	2
436	Optical orientation of acceptor-bound hole magnetic polarons in bulk (Cd,Mn)Te. Physical Review B, 2019, 99, .	3.2	2
437	Subsecond nuclear spin dynamics in n -GaAs. Physical Review B, 2019, 99, .	3.2	2
438	Effect of nuclear quadrupole interaction on spin beats in photoluminescence polarization dynamics of charged excitons in InP/(In,Ga)P quantum dots. Physical Review B, 2019, 100, .	3.2	2
439	Renormalization of the electron g factor in the degenerate two-dimensional electron gas of ZnSe- and CdTe-based quantum wells. Physical Review B, 2020, 102, .	3.2	2
440	Shielding of external magnetic field by dynamic nuclear polarization in (In,Ga)As quantum dots. Physical Review B, 2021, 104, .	3.2	2
441	Optical second- and third-harmonic generation on excitons in ZnSe/BeTe quantum wells. Physical Review B, 2020, 102, .	3.2	2
442	Effect of Magnetic Polaron Formation on the Exciton Mobility Edge in Cd1-xMnxTe. Acta Physica Polonica A, 1995, 87, 265-268.	0.5	2
443	Exciton Magnetic Polaron Features in Photoluminescence Excitation Spectra of CdTe/(CdMn)Te Quantum Wells with High Mn Contents. Acta Physica Polonica A, 1995, 88, 849-852.	0.5	2
444	Model Study of Inhomogeneous Line Broadening in Excitonic Spectra of Quantum Wells. Acta Physica Polonica A, 1998, 94, 235-239.	0.5	2
445	Polarized Luminescence Study of Shallow Acceptors in Short-Period Superlattices. Materials Science Forum, 1991, 65-66, 111-116.	0.3	1
446	<title>Two-dimensional exciton magnetic polaron dynamics in thin CdTe/(Cd,Mn)Te quantum wells</title>. , 1992, , .		1
447	Interparticle interaction in spin-aligned and spin-degenerate exciton systems in IIâ€“VI quantum wells. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1995, 17, 1543-1547.	0.4	1
448	Photoinduced inversion of magnetic hysteresis in semimagnetic superlattices. Solid State Communications, 1995, 96, 935-941.	1.9	1
449	Differential magnetoreflection spectroscopy of doped and undoped IIâ€“VI semiconductor quantum wells. JETP Letters, 1997, 65, 45-52.	1.4	1
450	Polariton reflectance spectra from thin ZnSxSe1â^'x layers. Physics of the Solid State, 1998, 40, 798-799.	0.6	1

#	Article	IF	Citations
451	Trions in quantum-well structures with two-dimensional electron gas. Physics of the Solid State, 1998, 40, 747-749.	0.6	1
452	Giant linear polarization of photoluminescence in type-II ZnSe/BeTe superlattices. Semiconductors, 1999, 33, 996-998.	0.5	1
453	BeTeâ€“ZnSe type-II heterojunctions. Journal of Crystal Growth, 2000, 214-215, 316-320.	1.5	1
454	<title>Optical gain and lasing of trions in delta-doped ZnSe quantum wells</title>. , 2002, 5023, 376.		1
455	Optical control of electron spin dynamics in self-assembled (In,Ga)As/GaAs quantum dots. Physica Status Solidi (B): Basic Research, 2006, 243, 3719-3724.	1.5	1
456	<title>Magneto-optical second-harmonic generation in semiconductors GaAs and CdTe</title>. , 2006, 6259, 18.		1
457	Luminescence studies of spin dynamics in magnetic semiconductor nanostructures. Journal of Luminescence, 2007, 125, 1-10.	3.1	1
458	ELECTRON SPIN COHERENCE IN SINGLY CHARGED QUANTUM DOTS. International Journal of Modern Physics B, 2009, 23, 2813-2825.	2.0	1
459	Dynamical nuclear polarization and nuclear magnetic resonance in a (In,Ga)As/GaAs quantum dot ensemble. Journal of Physics: Conference Series, 2010, 245, 012056.	0.4	1
460	Spin Relaxation in GaAs Doped with Magnetic (Mn) Atoms. Solid State Phenomena, 2010, 168-169, 47-54.	0.3	1
461	Phonon-assisted exciton spin relaxation in (In,Ga)As/GaAs quantum dots. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 1165-1168.	0.8	1
462	Effect of the external electric field on the kinetics of recombination of photoexcited carriers in a ZnSe/BeTe type II heterostructure. JETP Letters, 2012, 94, 858-862.	1.4	1
463	Magnetooptical study of Zeeman effect in Mn modulation-doped InAs/InGaAs/InAlAs quantum well structures. Journal of Applied Physics, 2015, 118, 113906.	2.5	1
464	Novel mechanisms of optical harmonic generation on excitons in semiconductors. , 2015, , .		1
465	Access to long-term optical memories using photon echoes retrieved from electron spins in semiconductor quantum wells. Proceedings of SPIE, 2016, , .	0.8	1
466	Thermal dissociation of free and acceptor-bound positive trions from magnetophotoluminescence studies of high qualityGaAs/AlxGa1â^'xAsquantum wells. Physical Review B, 2016, 93, .	3.2	1
467	Acousto-optical nanoscopy of buried photonic nanostructures. Optica, 2017, 4, 588.	9.3	1
468	Photon Echo from an Ensemble of (In,Ga)As Quantum Dots. Semiconductors, 2018, 52, 531-534.	0.5	1

#	Article	IF	Citations
469	Studies of photon echo from exciton ensemble in (In,Ga)As quantum dots. Journal of Physics: Conference Series, 2018, 951, 012029.	0.4	1
470	Basic Requirements of Spin-Flip Raman Scattering on Excitonic Resonances and Its Modulation through Additional High-Energy Illumination in Semiconductor Heterostructures. Physics of the Solid State, 2018, 60, 1611-1617.	0.6	1
471	Nuclear spin dynamics influenced and detected by electron spin polarization in CdTe/(Cd,Mg)Te quantum wells. Physical Review B, 2019, 99, .	3.2	1
472	Features of spin dynamics of magnetic ions and charge carriers in self-organized quantum dots CdSe/ZnMnSe. Journal of Physics: Conference Series, 2019, 1400, 077010.	0.4	1
473	Steplike spectral distribution of photoelectrons at the percolation threshold in heavily p -doped GaAs. Physical Review B, 2020, 102, .	3.2	1
474	Effect of electric current on the optical orientation of interface electrons in AlGaAs/GaAs heterostructures. Physical Review B, 2020, 102, .	3.2	1
475	Optical detection of electron spin dynamics driven by fast variations of a magnetic field: a simple method to measure $$T_1$$, $$T_2$$, and $$T_2^*$$ in semiconductors. Scientific Reports, 2020, 10, 13155.	3.3	1
476	Spin echo studies on Fe3+ ions in GaN: Spin-phonon relaxation and ligand hyperfine interactions. Applied Physics Letters, 2020, 117, 032106.	3.3	1
477	Short range proximity effect induced by exchange interaction in tunnel-coupled CdTe and (Cd,Mn)Te quantum wells. Physical Review B, 2020, 101, .	3.2	1
478	Magnetic field dependence of the in-plane hole g factor in ZnSe- and CdTe-based quantum wells. Physical Review B, 2021, 103, .	3.2	1
479	Resonant spin amplification in Faraday geometry. Physical Review B, 2021, 103, .	3.2	1
480	Second harmonic generation on excitons in ZnO/(Zn,Mg)O quantum wells with built-in electric fields. Physical Review B, 2021, 103, .	3.2	1
481	Ensemble spin coherence of singly charged InGaAs quantum dots. Nanoscience and Technology, 2010, , 85-127.	1.5	1
482	Internal transitions of charged magneto excitons in IIâ€“VI quantum well heterostructures. Springer Proceedings in Physics, 2001, , 527-528.	0.2	1
483	Direct and indirect radiative recombination in strongly excited ZnSe/BeTe superlattices. Springer Proceedings in Physics, 2001, , 637-638.	0.2	1
484	Combined Exciton-Electron Optical Processes in Optical Spectra of Modulation Doped QWs. , 2003, , 125-136.		1
485	Optical Studies of Spin Polarized 2Deg in Modulation-Doped (Zn,Mn)Se/(Zn,Be)Se Quantum Wells in High Magnetic Fields. , 2003, , 217-232.		1
486	Magnetooptical Properties of Graded Quantum Well Structures Made of Diluted Magnetic Semiconductors. , 2000, , 237-246.		1

#	Article	IF	Citations
487	<title>Filling-factor dependence of magneto-luminescence in II-VI QWs with 2DEG</title>. , 2002, , .		1
488	Spin Dynamics of Negatively Charged Excitons in InP/(In,Ga)P Quantum Dots in a Magnetic Field. Physics of the Solid State, 2020, 62, 2033-2038.	0.6	1
489	<title>Effect of Coulomb potential well on exchange-induced properties of CdTe/(Cd,Mn)Te quantum wells</title>. , 1992, 1675, 477.		0
490	Double 2s-1s resonance in LO-phonon-assisted secondary emission of excitions in CdTe/(Cd, Mn) Te MQW structures. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1995, 17, 1787-1790.	0.4	0
491	Magneto-optical studies of semimagnetic superlattices. Solid-State Electronics, 1996, 40, 35-41.	1.4	0
492	Influence of nonequilibrium phonons on exciton luminescence in CdTe/CdMnTe quantum wells. Physics of the Solid State, 1998, 40, 750-753.	0.6	0
493	Detection of nonequilibrium phonons by the exciton luminescence in CdMnTe-based quantum wells. Physica B: Condensed Matter, 1999, 263-264, 501-503.	2.7	0
494	<title>Combined exciton and trion excitations in modulation doped quantum well structures</title>. , 2002, , .		0
495	<title>Singlet and triplet states of charged excitons in ZnSe-based QWs probed by high magnetic fields</title>. , 2002, , .		0
496	Elliptically Polarized Luminescence of Spin-Oriented Carriers Recombining at Anisotropic Type-II Interface in ZnSe/BeTe Quantum Wells. Physica Status Solidi (B): Basic Research, 2002, 229, 689-694.	1.5	0
497	Spinâ€“Lattice Relaxation of Mn Ions in Nanostructures with Semiconductor Quantum Dots. Journal of Superconductivity and Novel Magnetism, 2003, 16, 391-394.	0.5	0
498	Quantum Dots: Building Blocks of Quantum Devices?. Advances in Solid State Physics, 2004, , 191-212.	0.8	0
499	Spin-lattice relaxation in heteromagnetic nanostructures. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 2852-2855.	0.8	0
500	Spin dynamics of Mn-ion system in diluted-magnetic-semiconductor heterostructures based on ZnMnSe. AIP Conference Proceedings, 2005, , .	0.4	0
501	Electron spin coherence in singly charged (In,Ga)As/GaAs quantum dots. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 3740-3743.	0.8	0
502	Picosecond kinetics of magnetization in optically excited (Zn,Mn)Se quantum wells. Physica Status Solidi (B): Basic Research, 2006, 243, 934-938.	1.5	0
503	Optical generation of spin coherence in single-charged (In,Ga)As/GaAs self-assembled quantum dots. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 35, 272-277.	2.7	0
504	Electron spin dynamics in self-assembled quantum dots. , 2006, , .		0

#	Article	IF	Citations
505	Spin Dynamics in n-doped CdTe quantum wells: Interplay of excitons, trions and two-dimensional electron gas. , 2006, , .		0
506	Spin coherence of two-dimensional electron gas achieved via resonant excitation of trions and excitons. AIP Conference Proceedings, 2007, , .	0.4	0
507	Resonance tunneling of charge carriers in photoexcited type-II ZnSe/BeTe heterostructures. Semiconductors, 2008, 42, 540-544.	0.5	0
508	Ultrafast piezospectroscopy in semiconductor nanostructures. Proceedings of SPIE, 2008, , .	0.8	0
509	Coherent Electron Spin Dynamics in Quantum Dots. Nanoscience and Technology, 2009, , 121-143.	1.5	0
510	Exploring mode-locking of spins. , 2009, , .		0
511	Effect of magnetic field on the electron-nuclear spin dynamics in quantum dots. Journal of Physics: Conference Series, 2010, 245, 012028.	0.4	0
512	Electron-Nuclear Spin Polarization Dynamics in InGaAs Quantum Dots. , 2010, , .		0
513	Spin polarized electric currents in semiconductor heterostructures induced by microwave radiation. , 2011, , .		0
514	Cyclotron-Assisted Resonant Exciton Exchange Between Nearly-Free and Acceptor-Bound States of a Positive Trion. , 2011, , .		0
515	Strong temperature destabilization of free exciton recombination in a two-dimensional structures with hole gas. Journal of Physics: Conference Series, 2011, 334, 012050.	0.4	0
516	Microsecond Lifetime of Exciton Spin Polarization in (In,Al)As/AlAs Quantum Dots. Optoelectronics, Instrumentation and Data Processing, 2013, 49, 514-519.	0.6	0
517	Dynamic nuclear polarization and Hanle effect in (In,Ga)As/GaAs quantum dots. Role of nuclear spin fluctuations. , 2013, , .		0
518	Coexistence of nearly free and strongly bound trions from magneto-photoluminescence of two-dimensional quantum structures with tunable electron or hole concentration. , 2013, , .		0
519	Optically detected far-infrared cyclotron resonance of two-dimensional electrons in a single GaAs/(Al,Ga)As heterojunction. Physical Review B, 2013, 87, .	3.2	0
520	Charge conversion of nearly free and impurity bound magneto-trions immersed in 2D electron or hole gas with optically tunable concentration. Journal of Physics: Conference Series, 2013, 456, 012017.	0.4	0
521	Controlled Lasing from Active Optomechanical Resonators. , 2014, , .		0
522	Coherent control and angular momentum transfer in semiconductor and plasmonic nanostructures. , 2015, , .		0

#	Article	IF	Citations
523	Excitonic enhancement of the transverse magneto-optical Kerr effect in semiconductor nanostructures. , 2017, , .		0
524	Photocharging Dynamics in Colloidal CdS Quantum Dots Visualized by Electron Spin Coherence. Semiconductors, 2018, 52, 548-550.	0.5	0
525	Plasmon-excitonic Enhancement of the Transverse Magneto-Optical Kerr effect in the Semiconductor Magnetic Nanostructures. , 2018, , .		0
526	Monodispersed Spherical Nanoparticles GdxSiyOz:Eu3+ for Magnetic Resonance Tomography and Optical Imaging. Physics of the Solid State, 2019, 61, 627-631.	0.6	0
527	Direct Measurements of the Picosecond Kinetics of Heating of a Spin Subsystem in Semimagnetic Semiconducting Nanostructures. JETP Letters, 2019, 110, 799-803.	1.4	0
528	Electron g-factor in coupled quantum wells CdTe and CdMnTe. Journal of Physics: Conference Series, 2019, 1400, 066023.	0.4	0
529	Ultrafast acoustic switching of an optically pumped cavity polariton system in the bistable regime. Journal of Physics: Conference Series, 2020, 1461, 012077.	0.4	0
530	Asymmetric spin transitions of nonthermalized Mn2+ ions in (Zn,Mn)Se-based quantum wells. Physical Review B, 2020, 101, .	3.2	0
531	Exciton-trion coupling in modulation doped quantum well structures. Springer Proceedings in Physics, 2001, , 495-496.	0.2	0
532	Spin-lattice relaxation in semimagnetic quantum wells with a 2DEG. Springer Proceedings in Physics, 2001, , 252-253.	0.2	0
533	II-VI Quantum Wells with High Carrier Densities and in High Magnetic Fields. , 2003, , 137-150.		0
534	Positively and Negatively Charged Trions in ZnSe-Based Quantum Wells. , 2003, , 41-62.		0
535	Electron Spins in Self-Assembled (In,Ga)As/GaAs Quantum Dots Studied by Pump-Probe Faraday Rotation. Acta Physica Polonica A, 2006, 110, 287-293.	0.5	0
536	Ultrafast optical phenomena related to spin and orbital dynamics in the rare-earth cuprates R 2 CuO 4 (R = Pr, Nd, Sm). Proceedings of SPIE, 2007, , .	0.8	0
537	Electron-Spin Dynamics inÂSelf-AssembledÂ(In,Ga)As/GaAs QuantumÂDots. Topics in Applied Physics, 2009, , 51-80.	0.8	0
538	Exciton Exchange between Nearly-Free and Acceptor-Bound States of a Positive Trion Assisted by Cyclotron Excitation. Acta Physica Polonica A, 2011, 119, 600-601.	0.5	0
539	Effect of Spin-Glass Phase Formation on Exciton Magnetic Polaron in (Cd,Mn)Te. Acta Physica Polonica A, 1996, 90, 755-758.	0.5	0
540	Investigation of Spin-Glass Transition in Semimagnetic Quantum Wells Based on Cd_{1-x}Mn_xTe by Means of Optical Spectroscopy. Acta Physica Polonica A, 1997, 92, 1075-1078.	0.5	0

#	Article	IF	Citations
541	Optically Detected Magnetic Resonance of Excess Electrons in CdTe/(Cd,Mg)Te Quantum Wells. Acta Physica Polonica A, 1998, 94, 351-354.	0.5	0
542	Ultrafast Photoinduced Linear and Circular Anisotropy in Multiferroic Manganite YMnO3. Springer Proceedings in Physics, 2015, , 210-213.	0.2	0
543	Ultrafast nanomechanics in vertical cavity surface-emitting lasers (Conference Presentation). , 2017, , .		0
544	Coherent optical spectroscopy of charged exciton complexes in semiconductor nanostructures. , 2018, , .		0
545	Cross-relaxation interactions in ZnO:Mn2+: The ground state optical pumping. Applied Physics Letters, 2022, 120, 041104.	3.3	0
546	Transverse magnetic routing of light emission in hybrid plasmonic-semiconductor nanostructures: Towards operation at room temperature. Physical Review Research, 2022, 4, .	3.6	0
547	Electron Spin Quantum Bits in Quantum Dots: Initialization, Decoherence, and Control. , 0, , 111-149.		0
548	Interface Properties and in-Plane Linear Photoluminescence Polarization in Highly Excited Type-II ZnSe/BeTe Heterostructures. Physica Status Solidi (B): Basic Research, 2002, 229, 35.	1.5	0