

Dmitri R Yakovlev

List of Publications by Year in descending order

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548
papers

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citations

31976

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557
all docs

557
docs citations

557
times ranked

6462
citing authors

#	ARTICLE	IF	CITATIONS
1	Lead-dominated Hyperfine Interaction Impacting the Carrier Spin Dynamics in Halide Perovskites. <i>Advanced Materials</i> , 2022, 34, e2105263.	21.0	33
2	Cross-relaxation interactions in ZnO:Mn ²⁺ : The ground state optical pumping. <i>Applied Physics Letters</i> , 2022, 120, 041104.	3.3	0
3	Transverse magnetic routing of light emission in hybrid plasmonic-semiconductor nanostructures: Towards operation at room temperature. <i>Physical Review Research</i> , 2022, 4, .	3.6	0
4	Zeeman and Davydov splitting of Frenkel excitons in the antiferromagnet Cu ₂ O. <i>Physical Review B</i> , 2022, 105, .	3.2	4
5	Photon Echo Polarimetry of Excitons and Biexcitons in a CH ₃ NH ₃ PbI ₃ Perovskite Single Crystal. <i>ACS Photonics</i> , 2022, 9, 621-629.	6.6	7
6	Spin Dynamics of Electrons and Holes Interacting with Nuclei in MAPbI ₃ Perovskite Single Crystals. <i>ACS Photonics</i> , 2022, 9, 1375-1384.	6.6	14
7	The Landé factors of electrons and holes in lead halide perovskites: universal dependence on the band gap. <i>Nature Communications</i> , 2022, 13, .	12.8	28
8	Extending the time of coherent optical response in ensemble of singly-charged InGaAs quantum dots. <i>Communications Physics</i> , 2022, 5, .	5.3	3
9	Polarized emission of CdSe nanocrystals in magnetic field: the role of phonon-assisted recombination of the dark exciton. <i>Nanoscale</i> , 2021, 13, 790-800.	5.6	10
10	Exchange interaction in the yellow exciton series of cuprous oxide. <i>Physical Review B</i> , 2021, 103, .	3.2	5
11	Coexistence of Short- and Long-Range Ferromagnetic Proximity Effects in a Fe/(Cd,Mg)Te/CdTe Quantum Well Hybrid Structure. <i>Nano Letters</i> , 2021, 21, 2370-2375.	9.1	4
12	Magnetic field dependence of the in-plane hole g factor in ZnSe- and CdTe-based quantum wells. <i>Physical Review B</i> , 2021, 103, .	3.2	1
13	Suppression of nuclear spin fluctuations in an InGaAs quantum dot ensemble by GHz-pulsed optical excitation. <i>Npj Quantum Information</i> , 2021, 7, .	6.7	12
14	Resonant spin amplification in Faraday geometry. <i>Physical Review B</i> , 2021, 103, .	3.2	1
15	Toroidal nonreciprocity of optical second harmonic generation. <i>Physical Review B</i> , 2021, 103, .	3.2	9
16	Second harmonic generation on excitons in ZnO/(Zn,Mg)O quantum wells with built-in electric fields. <i>Physical Review B</i> , 2021, 103, .	3.2	1
17	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. <i>Physical Review B</i> , 2021, 104, .	3.2	5
18	Ultra-deep optical cooling of coupled nuclear spin-spin and quadrupole reservoirs in a GaAs/(Al,Ga)As quantum well. <i>Communications Physics</i> , 2021, 4, .	5.3	7

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37	Magnon polaron formed by selectively coupled coherent magnon and phonon modes of a surface patterned ferromagnet. <i>Physical Review B</i> , 2020, 102, .	3.2	47
38	Optically detected magnetic resonance in CdSe/CdMnS nanoplatelets. <i>Nanoscale</i> , 2020, 12, 21932-21939.	5.6	10
39	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. <i>Physical Review B</i> , 2020, 102, .	3.2	6
40	Two-photon absorption and second harmonic generation of 1S para- and orthoexcitons in Cu ₂ O coupled by a magnetic field. <i>Physical Review B</i> , 2020, 102, .	3.2	3
41	Rydberg Series of Dark Excitons in Cu ₂ O. <i>Physical Review Letters</i> , 2020, 125, 207402.	7.8	10
42	Spin polarization recovery and Hanle effect for charge carriers interacting with nuclear spins in semiconductors. <i>Physical Review B</i> , 2020, 102, .	3.2	17
43	Renormalization of the electron g factor in the degenerate two-dimensional electron gas of ZnSe- and CdTe-based quantum wells. <i>Physical Review B</i> , 2020, 102, .	3.2	2
44	Asymmetric spin transitions of nonthermalized Mn ²⁺ ions in (Zn,Mn)Se-based quantum wells. <i>Physical Review B</i> , 2020, 101, .	3.2	0
45	Charge Separation Dynamics in CdSe/CdS Core/Shell Nanoplatelets Addressed by Coherent Electron Spin Precession. <i>ACS Nano</i> , 2020, 14, 7237-7244.	14.6	19
46	Anomalous magnetic suppression of spin relaxation in a two-dimensional electron gas in a GaAs/AlGaAs quantum well. <i>Physical Review B</i> , 2020, 101, .	3.2	3
47	Magneto-Stark and Zeeman effect as origin of second harmonic generation of excitons in Cu ₂ O. <i>Physical Review B</i> , 2020, 101, .	3.2	2
48	Magneto-Optics of Excitons Interacting with Magnetic Ions in CdSe/CdMnS Colloidal Nanoplatelets. <i>ACS Nano</i> , 2020, 14, 9032-9041.	14.6	20
49	Short range proximity effect induced by exchange interaction in tunnel-coupled CdTe and (Cd,Mn)Te quantum wells. <i>Physical Review B</i> , 2020, 101, .	3.2	1
50	Electron-nuclei interaction in the X valley of (In,Al)As/AlAs quantum dots. <i>Physical Review B</i> , 2020, 101, .	3.2	9
51	Quantum beats in the polarization of the spin-dependent photon echo from donor-bound excitons in CdTe/(Cd,Mg)Te quantum wells. <i>Physical Review B</i> , 2020, 101, .	3.2	5
52	Surface spin magnetism controls the polarized exciton emission from CdSe nanoplatelets. <i>Nature Nanotechnology</i> , 2020, 15, 277-282.	31.5	32
53	Negatively Charged Excitons in CdSe Nanoplatelets. <i>Nano Letters</i> , 2020, 20, 1370-1377.	9.1	58
54	Second harmonic generation of cuprous oxide in magnetic fields. <i>Physical Review B</i> , 2020, 101, .	3.2	9

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55	Optical second- and third-harmonic generation on excitons in ZnSe/BeTe quantum wells. Physical Review B, 2020, 102, .	3.2	2
56	In-plane anisotropy of the hole g factor in CdTe/(Cd,Mg)Te quantum wells studied by spin-dependent photon echoes. Physical Review Research, 2020, 2, .	3.6	4
57	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
58	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
59	Monodispersed Spherical Nanoparticles GdxSiyOz:Eu3+ for Magnetic Resonance Tomography and Optical Imaging. Physics of the Solid State, 2019, 61, 627-631.	0.6	0
60	Low voltage control of exchange coupling in a ferromagnet-semiconductor quantum well hybrid structure. Nature Communications, 2019, 10, 2899.	12.8	15
61	Spintronics of semiconductor, metallic, dielectric, and hybrid structures (100th anniversary of the Tj ETQq1 1 0.784314 rgBT /Overlook	2.2	19
62	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
63	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
64	Hyperfine Interactions and Slow Spin Dynamics in Quasi-isotropic InP-based Core/Shell Colloidal Nanocrystals. ACS Nano, 2019, 13, 10201-10209.	14.6	8
65	Ultrafast strain-induced switching of a bistable cavity-polariton system. Physical Review B, 2019, 100, .	3.2	6
66	Transverse magneto-optical Kerr effect at narrow optical resonances. Nanophotonics, 2019, 8, 287-296.	6.0	19
67	Second harmonic generation on the yellow exciton in $S_{1/2}$ exciton in Cu_2O in symmetry-forbidden geometries. Physical Review B, 2019, 99, .	3.2	8
68	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
69	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
70	Polarimetry of photon echo on charged and neutral excitons in semiconductor quantum wells. Scientific Reports, 2019, 9, 5666.	3.3	12
71	Radiofrequency driving of coherent electron spin dynamics in n -GaAs detected by Faraday rotation. Physical Review B, 2019, 99, .	3.2	7
72	Optical Excitation of Single- and Multimode Magnetization Precession in Fe - Ga Nanolayers. Physical Review Applied, 2019, 11, .	3.8	14

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73	Optical orientation of acceptor-bound hole magnetic polarons in bulk (Cd,Mn)Te. <i>Physical Review B</i> , 2019, 99, .	3.2	2
74	Theoretical Modeling of the Nuclear-Field Induced Tuning of the Electron Spin Precession for Localized Spins. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1800534.	1.5	5
75	Intrinsic and magnetic-field-induced linear polarization of excitons in ultrathin indirect-gap type-II GaAs/AlAs quantum wells. <i>Physical Review B</i> , 2019, 99, .	3.2	5
76	Coherent spin dynamics of electrons and holes in CsPbBr ₃ perovskite crystals. <i>Nature Communications</i> , 2019, 10, 673.	12.8	100
77	Subsecond nuclear spin dynamics in n-GaAs. <i>Physical Review B</i> , 2019, 99, .	3.2	2
78	Direct Measurements of the Picosecond Kinetics of Heating of a Spin Subsystem in Semimagnetic Semiconducting Nanostructures. <i>JETP Letters</i> , 2019, 110, 799-803.	1.4	0
79	Electron g-factor in coupled quantum wells CdTe and CdMnTe. <i>Journal of Physics: Conference Series</i> , 2019, 1400, 066023.	0.4	0
80	Features of spin dynamics of magnetic ions and charge carriers in self-organized quantum dots CdSe/ZnMnSe. <i>Journal of Physics: Conference Series</i> , 2019, 1400, 077010.	0.4	1
81	Spin dephasing of electrons and holes in isotopically purified ZnSe/(Zn,Mg)Se quantum wells. <i>Physical Review B</i> , 2019, 100, .	3.2	4
82	Effect of nuclear quadrupole interaction on spin beats in photoluminescence polarization dynamics of charged excitons in InP/(In,Ga)P quantum dots. <i>Physical Review B</i> , 2019, 100, .	3.2	2
83	Anisotropic exchange splitting of excitons affected by \hat{I}^X mixing in (In,Al)As/AlAs quantum dots: Microphotoluminescence and macrophotoluminescence measurements. <i>Physical Review B</i> , 2019, 100, .	3.2	5
84	Microscopic dynamics of electron hopping in a semiconductor quantum well probed by spin-dependent photon echoes. <i>Physical Review B</i> , 2019, 100, .	3.2	9
85	Dangling Bond Spins Controlling Recombination Dynamics of Excitons in Colloidal Nanocrystals and Nanoplatelets. <i>Semiconductors</i> , 2018, 52, 572-574.	0.5	6
86	Spin-lattice relaxation of optically polarized nuclei in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">\langle \text{mml:mi}>p\langle \text{mml:mi}>\langle \text{mml:math}>-type GaAs. \text{Physical Review B}$, 2018, 97, .	3.2	2
87	Effect of Dangling Bond Spins on the Dark Exciton Recombination and Spin Polarization in CdSe Colloidal Nanostructures. <i>Journal of Electronic Materials</i> , 2018, 47, 4338-4344.	2.2	5
88	Photon Echo from an Ensemble of (In,Ga)As Quantum Dots. <i>Semiconductors</i> , 2018, 52, 531-534.	0.5	1
89	Generation of a localized microwave magnetic field by coherent phonons in a ferromagnetic nanograting. <i>Physical Review B</i> , 2018, 97, .	3.2	25
90	Photocharging Dynamics in Colloidal CdS Quantum Dots Visualized by Electron Spin Coherence. <i>Semiconductors</i> , 2018, 52, 548-550.	0.5	0

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91	Spin Dynamics of Charged and Neutral Excitons in Colloidal Nanocrystals. Journal of Electronic Materials, 2018, 47, 4260-4271.	2.2	3
92	Addressing the exciton fine structure in colloidal nanocrystals: the case of CdSe nanoplatelets. Nanoscale, 2018, 10, 646-656.	5.6	89
93	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
94	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
95	Long coherent dynamics of localized excitons in (In,Ga)N/GaN quantum wells. Physical Review B, 2018, 98, .	3.2	7
96	Plasmon-excitonic Enhancement of the Transverse Magneto-Optical Kerr effect in the Semiconductor Magnetic Nanostructures. , 2018, , .		0
97	Studies of photon echo from exciton ensemble in (In,Ga)As quantum dots. Journal of Physics: Conference Series, 2018, 951, 012029.	0.4	1
98	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
99	Electron and hole spin relaxation in InP-based self-assembled quantum dots emitting at telecom wavelengths. Physical Review B, 2018, 98, .	3.2	3
100	Single-beam optical measurement of spin dynamics in CdTe/(Cd,Mg)Te quantum wells. Physical Review B, 2018, 98, .	3.2	8
101	High-resolution second harmonic generation spectroscopy with femtosecond laser pulses on excitons in CuZnO . Physical Review B, 2018, 98, .	3.2	29
102	Spin inertia of resident and photoexcited carriers in singly charged quantum dots. Physical Review B, 2018, 98, .	3.2	23
103	Theory of spin inertia in singly charged quantum dots. Physical Review B, 2018, 98, .	3.2	22
104	Template Synthesis of Monodisperse Spherical Nanocomposite SiO ₂ /GaN:Eu ³⁺ Particles. Semiconductors, 2018, 52, 1123-1128.	0.5	4
105	Interfacial Ferromagnetism in a Co/CdTe Ferromagnet/Semiconductor Quantum Well Hybrid Structure. Physics of the Solid State, 2018, 60, 1578-1581.	0.6	3
106	Spin Physics of Excitons in Colloidal Nanocrystals. Physics of the Solid State, 2018, 60, 1537-1553.	0.6	10
107	Discretization of the total magnetic field by the nuclear spin bath in fluorine-doped ZnSe. Nature Communications, 2018, 9, 1941.	12.8	18
108	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

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109	Routing the emission of a near-surface light source by a magnetic field. <i>Nature Physics</i> , 2018, 14, 1043-1048.	16.7	27
110	Optically excited spin pumping mediating collective magnetization dynamics in a spin valve structure. <i>Physical Review B</i> , 2018, 98, .	3.2	13
111	Third harmonic generation on exciton-polaritons in bulk semiconductors subject to a magnetic field. <i>Physical Review B</i> , 2018, 98, .	3.2	9
112	Decay and revival of electron spin polarization in an ensemble of (In,Ga)As quantum dots. <i>Physical Review B</i> , 2018, 98, .	3.2	9
113	Basic Requirements of Spin-Flip Raman Scattering on Excitonic Resonances and Its Modulation through Additional High-Energy Illumination in Semiconductor Heterostructures. <i>Physics of the Solid State</i> , 2018, 60, 1611-1617.	0.6	1
114	Photon Echo from Localized Excitons in Semiconductor Nanostructures. <i>Physics of the Solid State</i> , 2018, 60, 1635-1644.	0.6	19
115	Exciton Spectroscopy of Semiconductors by the Method of Optical Harmonics Generation (Review). <i>Physics of the Solid State</i> , 2018, 60, 1471-1486.	0.6	17
116	All-optical quantum thermometry based on spin-level cross-relaxation and multicenter entanglement under ambient conditions in SiC. <i>AIP Advances</i> , 2018, 8, 085304.	1.3	6
117	Quantum Interference Controls the Electron Spin Dynamics in InGaAs . <i>Physical Review X</i> , 2018, 8, .	8.9	9
118	Coherent dynamics of localized excitons and trions in ZnO/(Zn,Mg)O quantum wells studied by photon echoes. <i>Physical Review B</i> , 2018, 97, .	3.2	10
119	Optically detected magnetic resonance of photoexcited electrons in (In,Al)As/AlAs quantum dots with indirect band gap and type-I band alignment. <i>Physical Review B</i> , 2018, 97, .	3.2	18
120	Coherent optical spectroscopy of charged exciton complexes in semiconductor nanostructures. , 2018, , .		0
121	Photon echoes from (In,Ga)As quantum dots embedded in a Tamm-plasmon microcavity. <i>Physical Review B</i> , 2017, 95, .	3.2	23
122	The effect of dynamical compressive and shear strain on magnetic anisotropy in a low symmetry ferromagnetic film. <i>Physica Scripta</i> , 2017, 92, 054006.	2.5	10
123	Zn ^{VI} quasiparticle gaps and optical spectra from many-body calculations. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 215702.	1.8	5
124	Dynamic Evolution from Negative to Positive Photocharging in Colloidal CdS Quantum Dots. <i>Nano Letters</i> , 2017, 17, 2844-2851.	9.1	32
125	Direct Measurements of Magnetic Polarons in Cd _x Mn _x Se Nanocrystals from Resonant Photoluminescence. <i>Nano Letters</i> , 2017, 17, 3068-3075.	9.1	36
126	Picosecond Control of Quantum Dot Laser Emission by Coherent Phonons. <i>Physical Review Letters</i> , 2017, 118, 133901.	7.8	23

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127	Magnetic polaron on dangling-bond spins in CdSe colloidal nanocrystals. <i>Nature Nanotechnology</i> , 2017, 12, 569-574.	31.5	44
128	Picosecond Acoustics in Single Quantum Wells of Cubic GaN/(Al,Ga)N. <i>Physical Review Applied</i> , 2017, 7, .	3.8	2
129	Dynamics of exciton magnetic polarons in CdMnSe/CdMgSe quantum wells: Effect of self-localization. <i>Physical Review B</i> , 2017, 95, .	3.2	14
130	Spin dynamics of quadrupole nuclei in InGaAs quantum dots. <i>Physical Review B</i> , 2017, 95, .	3.2	5
131	Magnon Accumulation by Clocked Laser Excitation as Source of Long-Range Spin Waves in Transparent Magnetic Films. <i>Physical Review X</i> , 2017, 7, .	8.9	35
132	Damping of Rabi oscillations in intensity-dependent photon echoes from exciton complexes in a CdTe/(Cd,Mg)Te single quantum well. <i>Physical Review B</i> , 2017, 96, .	3.2	19
133	The synthesis of clusters of iron oxides in mesopores of monodisperse spherical silica particles. <i>Physics of the Solid State</i> , 2017, 59, 1623-1628.	0.6	10
134	Electron spin dynamics of Ce ³⁺ ions in YAG crystals studied by pulse-EPR and pump-probe Faraday rotation. <i>Physical Review B</i> , 2017, 96, .	3.2	6
135	Monodisperse core-shell particles composed of magnetite and dye-functionalized mesoporous silica. <i>Technical Physics Letters</i> , 2017, 43, 716-719.	0.7	2
136	Time-resolved photon echoes from donor-bound excitons in ZnO epitaxial layers. <i>Physical Review B</i> , 2017, 96, .	3.2	8
137	Generation of spin waves by a train of fs-laser pulses: a novel approach for tuning magnon wavelength. <i>Scientific Reports</i> , 2017, 7, 5668.	3.3	50
138	Spin dynamics and magnetic field induced polarization of excitons in ultrathin GaAs/AlAs quantum wells with indirect band gap and type-II band alignment. <i>Physical Review B</i> , 2017, 96, .	3.2	21
139	High-Resolution Two-Dimensional Optical Spectroscopy of Electron Spins. <i>Physical Review X</i> , 2017, 7, .	8.9	9
140	Negatively Charged and Dark Excitons in CsPbBr ₃ Perovskite Nanocrystals Revealed by High Magnetic Fields. <i>Nano Letters</i> , 2017, 17, 6177-6183.	9.1	103
141	Electron charge and spin delocalization revealed in the optically probed longitudinal and transverse spin dynamics in $\text{In}_{1-x}\text{Ga}_x\text{As}$. <i>Physical Review B</i> , 2017, 96, .	3.2	13
142	Nuclear spin cooling by helicity-alternated optical pumping at weak magnetic fields in $\text{In}_{1-x}\text{Ga}_x\text{As}$. <i>Physical Review B</i> , 2017, 96, .	3.2	5
143	Direct measurement of the long-range p-d exchange coupling in a ferromagnet-semiconductor Co/CdMgTe/CdTe quantum well hybrid structure. <i>Physical Review B</i> , 2017, 96, .	3.2	14
144	Coherent Spin Dynamics of Carriers. <i>Springer Series in Solid-state Sciences</i> , 2017, , 155-206.	0.3	13

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145	Excitonic enhancement of the transverse magneto-optical Kerr effect in semiconductor nanostructures. , 2017, , .		0
146	ENDOR investigations of the Ce ³⁺ ions in YAG: Transferred hyperfine interaction with nearest aluminum ions. Journal of Applied Physics, 2017, 122, 243903.	2.5	2
147	Acousto-optical nanoscopy of buried photonic nanostructures. Optica, 2017, 4, 588.	9.3	1
148	Room-temperature electron spin dynamics of Ce ³⁺ ions in a YAG crystal. Applied Physics Letters, 2017, 110, 222405.	3.3	12
149	Ultrafast nanomechanics in vertical cavity surface-emitting lasers (Conference Presentation). , 2017, , .		0
150	Dispersion of the electron g factor anisotropy in InAs/InP self-assembled quantum dots. Journal of Applied Physics, 2016, 120, 084301.	2.5	5
151	Monodisperse spherical meso-“macroporous silica particles: Synthesis and adsorption of biological macromolecules. Physics of the Solid State, 2016, 58, 2339-2344.	0.6	2
152	Extended pump-probe Faraday rotation spectroscopy of the submicrosecond electron spin dynamics in GaAs. Physical Review B, 2016, 94, .	3.2	29
153	Access to long-term optical memories using photon echoes retrieved from electron spins in semiconductor quantum wells. Proceedings of SPIE, 2016, , .	0.8	1
154	Enhancement of electron hot spot relaxation in photoexcited plasmonic structures by thermal diffusion. Physical Review B, 2016, 94, .	3.2	6
155	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
156	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
157	Photon echo transients from an inhomogeneous ensemble of semiconductor quantum dots. Physical Review B, 2016, 93, .	3.2	28
158	Large anisotropy of electron and hole g factors in infrared-emitting InAs/InAlGaAs self-assembled quantum dots. Physical Review B, 2016, 93, .	3.2	27
159	Thermal dissociation of free and acceptor-bound positive trions from magnetophotoluminescence studies of high quality GaAs/AlxGa1-x quantum wells. Physical Review B, 2016, 93, .	3.2	1
160	Resonantly enhanced spin-lattice relaxation of Mn ²⁺ in diluted magnetic (Zn,Mn)Se/(Zn,Be)Se quantum wells. Physical Review B, 2016, 93, .	3.2	17
161	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
162	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

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163	Optical orientation of hole magnetic polarons in (Cd,Mn)Te/(Cd,Mn,Mg)Te quantum wells. Physical Review B, 2016, 93, .	3.2	11
164	Coherent spin dynamics of carriers in ferromagnetic semiconductor heterostructures with an Mn δ layer. Journal of Experimental and Theoretical Physics, 2016, 123, 420-428.	0.9	2
165	Advanced optical manipulation of carrier spins in (In,Ga)As quantum dots. Applied Physics B: Lasers and Optics, 2016, 122, 1.	2.2	3
166	Band-Edge Exciton Fine Structure and Recombination Dynamics in InP/ZnS Colloidal Nanocrystals. ACS Nano, 2016, 10, 3356-3364.	14.6	65
167	Coherent Acoustic Phonons in Colloidal Semiconductor Nanocrystal Superlattices. ACS Nano, 2016, 10, 1163-1169.	14.6	52
168	Long-range p-d exchange interaction in a ferromagnetic semiconductor hybrid structure. Nature Physics, 2016, 12, 85-91.	16.7	47
169	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
170	Resonant driving of magnetization precession in a ferromagnetic layer by coherent monochromatic phonons. Physical Review B, 2015, 92, .	3.2	55
171	First 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
172	Resonant optical alignment and orientation of $\langle \text{Mn}^{2+} \rangle$ in CdMnTe crystals. Physical Review B, 2015, 92, .	3.2	28
173	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
174	Electric field effect on optical harmonic generation at the exciton resonances in GaAs. Physical Review B, 2015, 92, .	3.2	23
175	Electron and hole g-factors in InAs/InAlGaAs self-assembled quantum dots emitting at telecom wavelengths. Physical Review B, 2015, 92, .	3.2	23
176	Ground and excited states of iron centers in ZnO: Pulse-EPR and magneto-optical spectroscopy. Physical Review B, 2015, 92, .	3.2	6
177	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
178	Magneto-optical study of Zeeman effect in Mn modulation-doped InAs/InGaAs/InAlAs quantum well structures. Journal of Applied Physics, 2015, 118, 113906.	2.5	1
179	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
180	Impact of nanomechanical resonances on lasing from electrically pumped quantum dot micropillars. Applied Physics Letters, 2015, 106, .	3.3	11

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181	Novel mechanisms of optical harmonic generation on excitons in semiconductors. , 2015, , .		1
182	Coherent control and angular momentum transfer in semiconductor and plasmonic nanostructures. , 2015, , .		0
183	Picosecond acoustics in semiconductor optoelectronic nanostructures. Ultrasonics, 2015, 56, 122-128.	3.9	10
184	Ultrafast Photoinduced Linear and Circular Anisotropy in Multiferroic Manganite YMnO ₃ . Springer Proceedings in Physics, 2015, , 210-213.	0.2	0
185	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
186	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
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