

Manfred Bayer

List of Publications by Year in descending order

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661
papers

19,444
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15466

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20900

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669
all docs

669
docs citations

669
times ranked

10506
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.	11.1	33
2	Cross-relaxation interactions in ZnO:Mn ²⁺ : The ground state optical pumping. <i>Applied Physics Letters</i> , 2022, 120, 041104.	1.5	0
3	Invariants in the paramagnetic resonance spectra of impurity-doped crystals. <i>Physical Review B</i> , 2022, 105, .	1.1	5
4	Transverse magnetic routing of light emission in hybrid plasmonic-semiconductor nanostructures: Towards operation at room temperature. <i>Physical Review Research</i> , 2022, 4, .	1.3	0
5	Zeeman and Davydov splitting of Frenkel excitons in the antiferromagnet Cu ₂ O ₄ . <i>Physical Review B</i> , 2022, 105, .	1.1	4
6	Photon Echo Polarimetry of Excitons and Biexcitons in a CH ₃ NH ₃ Pb ₃ Perovskite Single Crystal. <i>ACS Photonics</i> , 2022, 9, 621-629.	3.2	7
7	Scrutinizing the Debye plasma model: Rydberg excitons unravel the properties of low-density plasmas in semiconductors. <i>Physical Review B</i> , 2022, 105, .	1.1	4
8	Spin Dynamics of Electrons and Holes Interacting with Nuclei in MAPb ₃ Perovskite Single Crystals. <i>ACS Photonics</i> , 2022, 9, 1375-1384.	3.2	14
9	Giant Photoelasticity of Polaritons for Detection of Coherent Phonons in a Superlattice with Quantum Sensitivity. <i>Physical Review Letters</i> , 2022, 128, 157401.	2.9	8
10	Accumulation and control of spin waves in magnonic dielectric microresonators by a comb of ultrashort laser pulses. <i>Scientific Reports</i> , 2022, 12, 7369.	1.6	4
11	The Landé factors of electrons and holes in lead halide perovskites: universal dependence on the band gap. <i>Nature Communications</i> , 2022, 13, .	5.8	28
12	Extending the time of coherent optical response in ensemble of singly-charged InGaAs quantum dots. <i>Communications Physics</i> , 2022, 5, .	2.0	3
13	Giant effective Zeeman splitting in a monolayer semiconductor realized by spin-selective strong light-matter coupling. <i>Nature Photonics</i> , 2022, 16, 632-636.	15.6	14
14	Unveiling the electron-nuclear spin dynamics in an n -doped InGaAs epilayer by spin noise spectroscopy. <i>Physical Review B</i> , 2022, 106, .	1.1	3
15	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.	2.8	10
16	Protected Long-Distance Guiding of Hypersound Underneath a Nanocorrugated Surface. <i>ACS Nano</i> , 2021, 15, 4802-4810.	7.3	4
17	Plasmon-to-exciton spin conversion in semiconductor-metal hybrid nanostructures. <i>Physical Review B</i> , 2021, 103, .	1.1	2
18	Exchange interaction in the yellow exciton series of cuprous oxide. <i>Physical Review B</i> , 2021, 103, .	1.1	5

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19	Controlling the emission time of photon echoes by optical freezing of exciton dephasing and rephasing in quantum-dot ensembles. , 2021, , .		0
20	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.	4.5	4
21	Magnetic field dependence of the in-plane hole g factor in ZnSe- and CdTe-based quantum wells. Physical Review B, 2021, 103, .	1.1	1
22	Suppression of nuclear spin fluctuations in an InGaAs quantum dot ensemble by GHz-pulsed optical excitation. Npj Quantum Information, 2021, 7, .	2.8	12
23	Resonant spin amplification in Faraday geometry. Physical Review B, 2021, 103, .	1.1	1
24	Toroidal nonreciprocity of optical second harmonic generation. Physical Review B, 2021, 103, .	1.1	9
25	Second harmonic generation on excitons in ZnO/(Zn,Mg)O quantum wells with built-in electric fields. Physical Review B, 2021, 103, .	1.1	1
26	Asymmetric Rydberg blockade of giant excitons in Cuprous Oxide. Nature Communications, 2021, 12, 3556.	5.8	17
27	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, .	1.1	5
28	Optical control of a dark exciton reservoir. Physical Review B, 2021, 104, .	1.1	3
29	Coherent transfer matrix analysis of the transmission spectra of Rydberg excitons in cuprous oxide. Physical Review B, 2021, 104, .	1.1	5
30	Ultra-deep optical cooling of coupled nuclear spin-spin and quadrupole reservoirs in a GaAs/(Al,Ga)As quantum well. Communications Physics, 2021, 4, .	2.0	7
31	Shielding of external magnetic field by dynamic nuclear polarization in (In,Ga)As quantum dots. Physical Review B, 2021, 104, .	1.1	2
32	Lifting restrictions on coherence loss when characterizing non-transparent hypersonic phononic crystals. Scientific Reports, 2021, 11, 17174.	1.6	5
33	Semiconductor quantum dots: Technological progress and future challenges. Science, 2021, 373, .	6.0	600
34	Second-harmonic generation of blue series excitons and magnetoexcitons in Cu ₂ O. Physical Review B, 2021, 104, .	1.1	3
35	Extended spin coherence of the zinc-vacancy centers in ZnSe with fast optical access. Communications Materials, 2021, 2, .	2.9	5
36	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, .	1.1	7

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37	Coherent Spin Dynamics of Electrons and Holes in CsPbBr ₃ Colloidal Nanocrystals. Nano Letters, 2021, 21, 8481-8487.	4.5	18
38	Homogeneous optical anisotropy in an ensemble of InGaAs quantum dots induced by strong enhancement of the heavy-hole band Landé parameter $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">\langle \text{mml:mi} \rangle q \langle / \text{mml:mi} \rangle \langle / \text{mml:math} \rangle$. Physical Review B, 2021, 104, .	1.1	5
39	Upconversion of Light into Bright Intravalley Excitons via Dark Intervalley Excitons in hBN-Encapsulated WSe ₂ Monolayers. ACS Nano, 2021, 15, 19165-19174.	7.3	18
40	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, .	1.1	3
41	Nonlinear Faraday effect and spin noise in rare-earth activated crystals. Physical Review B, 2021, 104, .	1.1	0
42	Exciton Binding Energy in CdSe Nanoplatelets Measured by One- and Two-Photon Absorption. Nano Letters, 2021, 21, 10525-10531.	4.5	27
43	Detection and amplification of spin noise using scattered laser light in a quantum-dot microcavity. Physical Review B, 2020, 101, .	1.1	5
44	Single and Double Electron Spin-Flip Raman Scattering in CdSe Colloidal Nanoplatelets. Nano Letters, 2020, 20, 517-525.	4.5	21
45	Dynamic Polarization of Electron Spins Interacting with Nuclei in Semiconductor Nanostructures. Physical Review Letters, 2020, 125, 156801.	2.9	16
46	Optical harmonic generation on the exciton-polariton in ZnSe. Physical Review B, 2020, 102, .	1.1	4
47	Steplike spectral distribution of photoelectrons at the percolation threshold in heavily p-doped GaAs. Physical Review B, 2020, 102, .	1.1	1
48	Effect of electric current on the optical orientation of interface electrons in AlGaAs/GaAs heterostructures. Physical Review B, 2020, 102, .	1.1	1
49	Exciton and exciton-magnon photoluminescence in the antiferromagnet $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">\langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{CuB} \langle / \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle / \text{mml:mn} \rangle \langle / \text{mml:mrow} \rangle \langle \text{mml:mathvariant="normal"} \rangle \text{O} \langle / \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 4 \langle / \text{mml:mn} \rangle \langle / \text{mml:msub} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:math} \rangle$. Physical Review B, 2020, 102, .	1.1	7
50	Semiconductor Rydberg Physics. Advanced Quantum Technologies, 2020, 3, 1900134.	1.8	31
51	Quantum optics with quantum dot ensembles. Semiconductors and Semimetals, 2020, 105, 235-267.	0.4	0
52	Ultrafast acoustic switching of an optically pumped cavity polariton system in the bistable regime. Journal of Physics: Conference Series, 2020, 1461, 012077.	0.3	0
53	Experimental limitation in extending the exciton series in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">\langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Cu} \langle / \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle / \text{mml:mn} \rangle \langle / \text{mml:mrow} \rangle \langle \text{mml:mathvariant="normal"} \rangle \text{O} \langle / \text{mml:mi} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:math} \rangle$ towards higher principal quantum numbers. Physical Review B, 2020, 101, .	1.1	12
54	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.	1.6	1

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55	Spin echo studies on Fe ³⁺ ions in GaN: Spin-phonon relaxation and ligand hyperfine interactions. Applied Physics Letters, 2020, 117, 032106.	1.5	1
56	Magnon polaron formed by selectively coupled coherent magnon and phonon modes of a surface patterned ferromagnet. Physical Review B, 2020, 102, .	1.1	47
57	Optically detected magnetic resonance in CdSe/CdMnS nanoplatelets. Nanoscale, 2020, 12, 21932-21939.	2.8	10
58	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, .	1.1	6
59	Resonant thermal energy transfer to magnons in a ferromagnetic nanolayer. Nature Communications, 2020, 11, 4130.	5.8	7
60	Two-photon absorption and second harmonic generation of 1S para- and orthoexcitons in Cu ₂ O coupled by a magnetic field. Physical Review B, 2020, 102, .	1.1	3
61	Accurate photon echo timing by optical freezing of exciton dephasing and rephasing in quantum dots. Communications Physics, 2020, 3, .	2.0	10
62	Rydberg Series of Dark Excitons in CuO . Physical Review Letters, 2020, 125, 207402.	2.9	10
63	Spin polarization recovery and Hanle effect for charge carriers interacting with nuclear spins in semiconductors. Physical Review B, 2020, 102, .	1.1	17
64	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, .	1.1	2
65	Asymmetric spin transitions of nonthermalized Mn ²⁺ ions in (Zn,Mn)Se-based quantum wells. Physical Review B, 2020, 101, .	1.1	0
66	Charge Separation Dynamics in CdSe/CdS Core/Shell Nanoplatelets Addressed by Coherent Electron Spin Precession. ACS Nano, 2020, 14, 7237-7244.	7.3	19
67	Wide band enhancement of transverse magneto-optic Kerr effect in magnetite. Journal of Physics: Conference Series, 2020, 1461, 012033.	0.3	0
68	Classical and semiclassical description of Rydberg excitons in cuprous oxide. Physical Review B, 2020, 101, .	1.1	1
69	Anomalous magnetic suppression of spin relaxation in a two-dimensional electron gas in a GaAs/AlGaAs quantum well. Physical Review B, 2020, 101, .	1.1	3
70	Magneto-Stark and Zeeman effect as origin of second harmonic generation of excitons in CuO . Physical Review B, 2020, 101, .	1.1	1
71	Magneto-Optics of Excitons Interacting with Magnetic Ions in CdSe/CdMnS Colloidal Nanoplatelets. ACS Nano, 2020, 14, 9032-9041.	7.3	20
72	Short range proximity effect induced by exchange interaction in tunnel-coupled CdTe and (Cd,Mn)Te quantum wells. Physical Review B, 2020, 101, .	1.1	1

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73	Electron-nuclei interaction in the X valley of $(\text{In},\text{Al})\text{As}/\text{AlAs}$ quantum dots. <i>Physical Review B</i> , 2020, 101, .	1.1	9
74	Quantum beats in the polarization of the spin-dependent photon echo from donor-bound excitons in $\text{CdTe}/(\text{Cd},\text{Mg})\text{Te}$ quantum wells. <i>Physical Review B</i> , 2020, 101, .	1.1	5
75	Surface spin magnetism controls the polarized exciton emission from CdSe nanoplatelets. <i>Nature Nanotechnology</i> , 2020, 15, 277-282.	15.6	32
76	Negatively Charged Excitons in CdSe Nanoplatelets. <i>Nano Letters</i> , 2020, 20, 1370-1377.	4.5	58
77	Second harmonic generation of cuprous oxide in magnetic fields. <i>Physical Review B</i> , 2020, 101, .	1.1	9
78	Picosecond ultrasonics with miniaturized semiconductor lasers. <i>Ultrasonics</i> , 2020, 106, 106150.	2.1	6
79	Optical second- and third-harmonic generation on excitons in ZnSe/BeTe quantum wells. <i>Physical Review B</i> , 2020, 102, .	1.1	2
80	Giant spin-noise gain enables magnetic resonance spectroscopy of impurity crystals. <i>Physical Review Research</i> , 2020, 2, .	1.3	8
81	In-plane anisotropy of the hole g factor in $\text{CdTe}/(\text{Cd},\text{Mg})\text{Te}$ quantum wells studied by spin-dependent photon echoes. <i>Physical Review Research</i> , 2020, 2, .	1.3	4
82	Spin Dynamics of Negatively Charged Excitons in $\text{InP}/(\text{In},\text{Ga})\text{P}$ Quantum Dots in a Magnetic Field. <i>Physics of the Solid State</i> , 2020, 62, 2033-2038.	0.2	1
83	Long-Lived Negative Photocharging in Colloidal CdSe Quantum Dots Revealed by Coherent Electron Spin Precession. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4994-4999.	2.1	16
84	Monodispersed Spherical Nanoparticles $\text{Gd}_x\text{Si}_y\text{O}_z:\text{Eu}^{3+}$ for Magnetic Resonance Tomography and Optical Imaging. <i>Physics of the Solid State</i> , 2019, 61, 627-631.	0.2	0
85	Low voltage control of exchange coupling in a ferromagnet-semiconductor quantum well hybrid structure. <i>Nature Communications</i> , 2019, 10, 2899.	5.8	15
86	Stimulated spin noise in an activated crystal. <i>Journal of Applied Physics</i> , 2019, 126, .	1.1	4
87	Enhanced light-matter interaction in an atomically thin semiconductor coupled with dielectric nano-antennas. <i>Nature Communications</i> , 2019, 10, 5119.	5.8	87
88	Spintronics of semiconductor, metallic, dielectric, and hybrid structures (100th anniversary of the) $\text{Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50}$	0.8	19
89	Spatially asymmetric transients of propagating exciton-polariton modes in a planar $\text{CdZnTe}/\text{CdMgTe}$ guiding structure. <i>Physical Review B</i> , 2019, 100, .	1.1	1
90	Nuclear spin dynamics influenced and detected by electron spin polarization in $\text{CdTe}/(\text{Cd},\text{Mg})\text{Te}$ quantum wells. <i>Physical Review B</i> , 2019, 99, .	1.1	1

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91	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.	4.5	6
92	Hyperfine Interactions and Slow Spin Dynamics in Quasi-isotropic InP-based Core/Shell Colloidal Nanocrystals. ACS Nano, 2019, 13, 10201-10209.	7.3	8
93	Ultrafast strain-induced switching of a bistable cavity-polariton system. Physical Review B, 2019, 100, .	1.1	6
94	Exciton spectroscopy of optical reflection from wide quantum wells. Physical Review B, 2019, 99, .	1.1	16
95	Transverse magneto-optical Kerr effect at narrow optical resonances. Nanophotonics, 2019, 8, 287-296.	2.9	19
96	Second harmonic generation on the yellow exciton in Cu_2O in symmetry-forbidden geometries. Physical Review B, 2019, 99, .	1.1	8
97	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, .	1.1	19
98	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.	2.1	24
99	Epitaxial InGaAs Quantum Dots in Al _{0.29} Ga _{0.71} As Matrix: Intensity and Kinetics of Luminescence in the Near Field of Silver Nanoparticles. Optics and Spectroscopy (English Translation of Optika i Tj ETQq1 1 0.784314 rgBT /Overbck 10 T		
100	Bridging Two Worlds: Colloidal versus Epitaxial Quantum Dots. Annalen Der Physik, 2019, 531, 1900039.	0.9	34
101	Interaction effects of cathode power, bias voltage, and mid-frequency on the structural and mechanical properties of sputtered amorphous carbon films. Applied Surface Science, 2019, 487, 857-867.	3.1	16
102	Polarimetry of photon echo on charged and neutral excitons in semiconductor quantum wells. Scientific Reports, 2019, 9, 5666.	1.6	12
103	Radiofrequency driving of coherent electron spin dynamics in n-GaAs detected by Faraday rotation. Physical Review B, 2019, 99, .	1.1	7
104	Optical Excitation of Single- and Multimode Magnetization Precession in Fe-Ga Nanolayers. Physical Review Applied, 2019, 11, .	1.5	14
105	Optical orientation of acceptor-bound hole magnetic polarons in bulk (Cd,Mn)Te. Physical Review B, 2019, 99, .	1.1	2
106	Theoretical Modeling of the Nuclear Field Induced Tuning of the Electron Spin Precession for Localized Spins. Physica Status Solidi (B): Basic Research, 2019, 256, 1800534.	0.7	5
107	Intrinsic and magnetic-field-induced linear polarization of excitons in ultrathin indirect-gap type-II GaAs/AlAs quantum wells. Physical Review B, 2019, 99, .	1.1	5
108	Nanosecond Spin Coherence Time of Nonradiative Excitons in GaAs/AlGaAs Quantum Wells. Physical Review Letters, 2019, 122, 147401.	2.9	13

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109	All for one and one for all. Science, 2019, 364, 30-31.	6.0	1
110	Trap-Free Heterostructure of PbS Nanoplatelets on InP(001) by Chemical Epitaxy. ACS Nano, 2019, 13, 1961-1967.	7.3	7
111	Coherent spin dynamics of electrons and holes in CsPbBr ₃ perovskite crystals. Nature Communications, 2019, 10, 673.	5.8	100
112	Subsecond nuclear spin dynamics in n -GaAs. Physical Review B, 2019, 99, .	1.1	2
113	Electron g-factor in coupled quantum wells CdTe and CdMnTe. Journal of Physics: Conference Series, 2019, 1400, 066023.	0.3	0
114	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.	0.3	1
115	Spin dephasing of electrons and holes in isotopically purified ZnSe/(Zn,Mg)Se quantum wells. Physical Review B, 2019, 100, .	1.1	4
116	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, .	1.1	2
117	Anisotropic exchange splitting of excitons affected by \hat{I}^X mixing in (In,Al)As/AlAs quantum dots: Microphotoluminescence and macrophotoluminescence measurements. Physical Review B, 2019, 100, .	1.1	5
118	Microscopic dynamics of electron hopping in a semiconductor quantum well probed by spin-dependent photon echoes. Physical Review B, 2019, 100, .	1.1	9
119	Wide-band enhancement of the transverse magneto-optical Kerr effect in magnetite-based plasmonic crystals. Physical Review B, 2019, 100, .	1.1	25
120	Transverse magneto-optical Kerr effect in magnetoplasmonic waveguide structures based on Fe ₃ O ₄ . Journal of Physics: Conference Series, 2019, 1400, 066014.	0.3	1
121	Tracking Dark Excitons with Exciton Polaritons in Semiconductor Microcavities. Physical Review Letters, 2019, 122, 047403.	2.9	13
122	In situ chip formation analyses in micro single-lip and twist deep hole drilling. International Journal of Advanced Manufacturing Technology, 2018, 95, 2315-2324.	1.5	9
123	Spin-lattice relaxation of optically polarized nuclei in p -type GaAs. Physical Review B, 2018, 97, .	1.1	2
124	Detuning dependence of Rabi oscillations in an InAs self-assembled quantum dot ensemble. Physical Review B, 2018, 97, .	1.1	8
125	Photon Echo from an Ensemble of (In,Ga)As Quantum Dots. Semiconductors, 2018, 52, 531-534.	0.2	1
126	Generation of a localized microwave magnetic field by coherent phonons in a ferromagnetic nanograting. Physical Review B, 2018, 97, .	1.1	25

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127	Streak camera imaging of single photons at telecom wavelength. Applied Physics Letters, 2018, 112, 031110.	1.5	6
128	Photocharging Dynamics in Colloidal CdS Quantum Dots Visualized by Electron Spin Coherence. Semiconductors, 2018, 52, 548-550.	0.2	0
129	Anisotropies in the linear polarization of vacancy photoluminescence in diamond induced by crystal rotations and strong magnetic fields. Physical Review B, 2018, 97, .	1.1	5
130	Increased sensitivity of spin noise spectroscopy using homodyne detection in n -doped GaAs. Physical Review B, 2018, 97, .	1.1	14
131	Addressing the exciton fine structure in colloidal nanocrystals: the case of CdSe nanoplatelets. Nanoscale, 2018, 10, 646-656.	2.8	89
132	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.	4.5	50
133	Transverse Magneto-Optical Kerr Effect in Magnetite Covered by Array of Gold Nanostripes. Semiconductors, 2018, 52, 1857-1860.	0.2	5
134	Dephasing of InAs quantum dot p -shell excitons studied using two-dimensional coherent spectroscopy. Physical Review B, 2018, 98, .	1.1	5
135	Signatures of long-range spin-spin interactions in an (In,Ga)As quantum dot ensemble. Physical Review B, 2018, 98, .	1.1	6
136	Detection of nanowatt microwave radiation by the photoluminescence of an ensemble of negatively charged nitrogen vacancies in diamond. Applied Physics Letters, 2018, 113, .	1.5	3
137	Universal Ratio of Coulomb Interaction to Geometric Quantization in (In, Ga)As/GaAs Quantum Dots. Physics of the Solid State, 2018, 60, 1629-1634.	0.2	0
138	Long coherent dynamics of localized excitons in (In,Ga)N/GaN quantum wells. Physical Review B, 2018, 98, .	1.1	7
139	Plasmon-excitonic Enhancement of the Transverse Magneto-Optical Kerr effect in the Semiconductor Magnetic Nanostructures. , 2018, , .		0
140	Studies of photon echo from exciton ensemble in (In,Ga)As quantum dots. Journal of Physics: Conference Series, 2018, 951, 012029.	0.3	1
141	Single-beam resonant spin amplification of electrons interacting with nuclei in a GaAs/(Al,Ga)As quantum well. Physical Review B, 2018, 98, .	1.1	3
142	Electron and hole spin relaxation in InP-based self-assembled quantum dots emitting at telecom wavelengths. Physical Review B, 2018, 98, .	1.1	3
143	Single-beam optical measurement of spin dynamics in CdTe/(Cd,Mg)Te quantum wells. Physical Review B, 2018, 98, .	1.1	8
144	Critical Dependence of the Excitonic Absorption in Cuprous Oxide on Experimental Parameters. Physics of the Solid State, 2018, 60, 1618-1624.	0.2	2

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145	High-resolution second harmonic generation spectroscopy with femtosecond laser pulses on excitons in Cu_2O . Physical Review B, 2018, 98, .	1.1	29
146	Hidden polarization of unpolarized light. Physical Review A, 2018, 98, .	1.0	6
147	Magnetic field dependence of the electron spin revival amplitude in periodically pulsed quantum dots. Physical Review B, 2018, 98, .	1.1	17
148	Landau-Level Quantization of the Yellow Excitons in Cuprous Oxide. Physics of the Solid State, 2018, 60, 1625-1628.	0.2	2
149	Spin inertia of resident and photoexcited carriers in singly charged quantum dots. Physical Review B, 2018, 98, .	1.1	23
150	Theory of spin inertia in singly charged quantum dots. Physical Review B, 2018, 98, .	1.1	22
151	Rydberg Excitons in the Presence of an Ultralow-Density Electron-Hole Plasma. Physical Review Letters, 2018, 121, 097401.	2.9	37
152	Interfacial Ferromagnetism in a Co/CdTe Ferromagnet/Semiconductor Quantum Well Hybrid Structure. Physics of the Solid State, 2018, 60, 1578-1581.	0.2	3
153	Discretization of the total magnetic field by the nuclear spin bath in fluorine-doped ZnSe. Nature Communications, 2018, 9, 1941.	5.8	18
154	Magnetic-field-induced crossover from the inverse Faraday effect to the optical orientation in EuTe. Journal of Applied Physics, 2018, 123, 193102.	1.1	7
155	Rydberg States in Semiconductors. , 2018, , 40-51.		0
156	Dissociation of excitons in Cu_2O by an electric field. Physical Review B, 2018, 98, .	1.1	14
157	Routing the emission of a near-surface light source by a magnetic field. Nature Physics, 2018, 14, 1043-1048.	6.5	27
158	Influence of the Wavefunction Distribution on Exciton Dissociation in Electric Field. Physics of the Solid State, 2018, 60, 1506-1509.	0.2	1
159	Emission of Cu_2O Paraexcitons Confined by a Strain Trap: Hints of a Bose-Einstein Condensate?. Physics of the Solid State, 2018, 60, 1600-1605.	0.2	4
160	Magneto-Stark effect of yellow excitons in cuprous oxide. Physical Review B, 2018, 98, .	1.1	12
161	Optically excited spin pumping mediating collective magnetization dynamics in a spin valve structure. Physical Review B, 2018, 98, .	1.1	13
162	Third harmonic generation on exciton-polaritons in bulk semiconductors subject to a magnetic field. Physical Review B, 2018, 98, .	1.1	9

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163	Decay and revival of electron spin polarization in an ensemble of (In,Ga)As quantum dots. Physical Review B, 2018, 98, .	1.1	9
164	Influence of Magnetic Confinement on the Yellow Excitons in Cuprous Oxide Subject to an Electric Field. Physics of the Solid State, 2018, 60, 1595-1599.	0.2	6
165	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.	0.2	1
166	Photon Echo from Localized Excitons in Semiconductor Nanostructures. Physics of the Solid State, 2018, 60, 1635-1644.	0.2	19
167	Oscillations of the Degree of Circular Polarization in the Optical Spin Hall Effect. Physics of the Solid State, 2018, 60, 1606-1610.	0.2	0
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