Bernhard Urbaszek

List of Publications by Year
in descending order

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167 papers	10,967 citations	31902 53 h-index	30010 103 g-index
169 all docs	169 docs citations	169 times ranked	8577 citing authors

#	Article	IF	Citations
1	Colloquium : Excitons in atomically thin transition metal dichalcogenides. Reviews of Modern Physics, 2018, 90, .	16.4	1,292
2	Giant Enhancement of the Optical Second-Harmonic Emission of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>WSe</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> by Laser Excitation at Exciton Resonances. Physical Review Letters, 2015, 114, 097403.	2.9	464
3	Excitonic Linewidth Approaching the Homogeneous Limit in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>MoS</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> -Based van der Waals Heterostructures. Physical Review X, 2017, 7, .	2.8	389
4	Robust optical emission polarization in MoS<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>monolayers through selective valley excitation. Physical Review B, 2012, 86, .	1.1	385
5	Strain tuning of optical emission energy and polarization in monolayer and bilayer MoS<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2013, 88, .	1.1	365
6	Exciton radiative lifetime in transition metal dichalcogenide monolayers. Physical Review B, 2016, 93, .	1.1	335
7	Valley dynamics probed through charged and neutral exciton emission in monolayer<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi mathvariant="normal">WSe</mml:mi></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2014, 90, .	1.1	325
8	Carrier and Polarization Dynamics in Monolayer<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>MoS</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> Physical Review Letters, 2014, 112, 047401.	2.9	317
9	Nuclear spin physics in quantum dots: An optical investigation. Reviews of Modern Physics, 2013, 85, 79-133.	16.4	298
10	In-Plane Propagation of Light in Transition Metal Dichalcogenide Monolayers: Optical Selection Rules. Physical Review Letters, 2017, 119, 047401.	2.9	257
11	Two-dimensional semiconductors in the regime of strong light-matter coupling. Nature Communications, 2018, 9, 2695.	5.8	256
12	Exciton valley dynamics probed by Kerr rotation in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi mathvariant="normal">WSe</mml:mi></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:math>monolayers. Physical Review B, 2014, 90, .	1.1	246
13	Exciton fine structure and spin decoherence in monolayers of transition metal dichalcogenides. Physical Review B, 2014, 89, .	1.1	234
14	Direct Observation of the Electron Spin Relaxation Induced by Nuclei in Quantum Dots. Physical Review Letters, 2005, 94, 116601.	2.9	225
15	Splitting between bright and dark excitons in transition metal dichalcogenide monolayers. Physical Review B, 2016, 93, .	1.1	212
16	Charged excitons in monolayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>WSe</mml:mi></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:math> : Experiment and theory. Physical Review B, 2017, 96, .	1.1	207
17	Revealing exciton masses and dielectric properties of monolayer semiconductors with high magnetic fields. Nature Communications, 2019, 10, 4172.	5.8	179
18	Spin-orbit engineering in transition metal dichalcogenide alloy monolayers. Nature Communications, 2015, 6, 10110.	5.8	176

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19	Fine structure and lifetime of dark excitons in transition metal dichalcogenide monolayers. Physical Review B, 2017, 96, .	1.1	141
20	Polarization and time-resolved photoluminescence spectroscopy of excitons in MoSe2 monolayers. Applied Physics Letters, 2015, 106, .	1.5	136
21	Magneto-optics in transition metal diselenide monolayers. 2D Materials, 2015, 2, 034002.	2.0	126
22	Control of Exciton Valley Coherence in Transition Metal Dichalcogenide Monolayers. Physical Review Letters, 2016, 117, 187401.	2.9	126
23	Fine Structure of Highly Charged Excitons in Semiconductor Quantum Dots. Physical Review Letters, 2003, 90, 247403.	2.9	124
24	Enabling valley selective exciton scattering in monolayer WSe2 through upconversion. Nature Communications, 2017, 8, 14927.	5.8	124
25	Symmetric quantum dots as efficient sources of highly entangled photons: Violation of Bell's inequality without spectral and temporal filtering. Physical Review B, 2013, 88, .	1.1	116
26	Exciton diffusion in WSe2 monolayers embedded in a van der Waals heterostructure. Applied Physics Letters, 2018, 112, .	1.5	114
27	Hybridization of electronic states in quantum dots through photon emission. Nature, 2004, 427, 135-138.	13.7	113
28	Dynamic nuclear polarization of a single charge-tunableInAsâ•GaAsquantum dot. Physical Review B, 2006, 74, .	1.1	107
29	Spin and valley dynamics of excitons in transition metal dichalcogenide monolayers. Physica Status Solidi (B): Basic Research, 2015, 252, 2349-2362.	0.7	107
30	Gate-Controlled Spin-Valley Locking of Resident Carriers in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>WSe</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> Monolayers. Physical Review Letters, 2017, 119, 137401.	2.9	107
31	Phonon-Assisted Photoluminescence from Indirect Excitons in Monolayers of Transition-Metal Dichalcogenides. Nano Letters, 2020, 20, 2849-2856.	4.5	106
32	Robust Quantum Dot Exciton Generation via Adiabatic Passage with Frequency-Swept Optical Pulses. Physical Review Letters, 2011, 106, 166801.	2.9	105
33	Observation of exciton-phonon coupling in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>MoSe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> monolayers. Physical Review B, 2018, 98, .	1.1	103
34	Bistability of the nuclear polarization created through optical pumping inIn1âˆ'xGaxAsquantum dots. Physical Review B, 2006, 74, .	1.1	99
35	Discrete quantum dot like emitters in monolayer MoSe2: Spatial mapping, magneto-optics, and charge tuning. Applied Physics Letters, 2016, 108, .	1.5	95
36	Interlayer excitons in bilayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>MoS</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> with strong oscillator strength up to room temperature. Physical Review B, 2019, 99, .	1.1	88

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37	Measurement of the spin-forbidden dark excitons in MoS2 and MoSe2 monolayers. Nature Communications, 2020, 11, 4037.	5.8	86
38	Control of the Exciton Radiative Lifetime in van der Waals Heterostructures. Physical Review Letters, 2019, 123, 067401.	2.9	85
39	3D assembly of upconverting NaYF4 nanocrystals by AFM nanoxerography: creation of anti-counterfeiting microtags. Nanoscale, 2013, 5, 9587.	2.8	84
40	Domain Architectures and Grain Boundaries in Chemical Vapor Deposited Highly Anisotropic ReS₂ Monolayer Films. Nano Letters, 2016, 16, 5888-5894.	4.5	79
41	Electrical Control of Hole Spin Relaxation in Charge TunableInAs/GaAsQuantum Dots. Physical Review Letters, 2005, 94, 147401.	2.9	76
42	High optical quality of MoS ₂ monolayers grown by chemical vapor deposition. 2D Materials, 2020, 7, 015011.	2.0	76
43	Optical spectroscopy of excited exciton states in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>MoS</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> monolayers in van der Waals heterostructures. Physical Review Materials, 2018, 2, .	3.2	74
44	Controlling interlayer excitons in MoS2 layers grown by chemical vapor deposition. Nature Communications, 2020, 11, 2391.	5.8	73
45	Giant Stark splitting of an exciton in bilayer MoS2. Nature Nanotechnology, 2020, 15, 901-907.	15.6	72
46	Exciton states in monolayer MoSe ₂ : impact on interband transitions. 2D Materials, 2015, 2, 045005.	2.0	71
47	Impact of heavy hole-light hole coupling on optical selection rules in GaAs quantum dots. Applied Physics Letters, 2010, 97, .	1.5	70
48	Double Resonant Raman Scattering and Valley Coherence Generation in Monolayer<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>WSe</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow> Physical Review Letters, 2015, 115, 117401.	2.9	64
49	Ultra-low power threshold for laser induced changes in optical properties of 2D molybdenum dichalcogenides. 2D Materials, 2016, 3, 045008.	2.0	63
50	Excitonic properties of semiconducting monolayer and bilayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>MoT</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2016, 94, .	1.1	60
51	Intrinsic exciton-state mixing and nonlinear optical properties in transition metal dichalcogenide monolayers. Physical Review B, 2017, 95, .	1.1	60
52	Synthesis of Highly Anisotropic Semiconducting GaTe Nanomaterials and Emerging Properties Enabled by Epitaxy. Advanced Materials, 2017, 29, 1605551.	11.1	57
53	Exciton States in Monolayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>MoSe</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>MoTe</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow> Probed by Upconversion Spectroscopy. Physical Review X, 2018, 8, .	2.8	56
54	Growth of zinc blende MgS/ZnSe single quantum wells by molecular-beam epitaxy using ZnS as a sulphur source. Applied Physics Letters, 2000, 76, 3929-3931.	1.5	55

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55	Well separated trion and neutral excitons on superacid treated MoS2 monolayers. Applied Physics Letters, 2016, 108, .	1.5	51
56	Efficient dynamical nuclear polarization in quantum dots: Temperature dependence. Physical Review B, 2007, 76, .	1.1	50
57	Temperature-dependent linewidth of charged excitons in semiconductor quantum dots: Strongly broadened ground state transitions due to acoustic phonon scattering. Physical Review B, 2004, 69, .	1.1	47
58	Exciton dynamics in WSe2 bilayers. Applied Physics Letters, 2014, 105, .	1.5	47
59	Negative circular polarization as a general property ofn-doped self-assembledInAsâˆ•GaAsquantum dots under nonresonant optical excitation. Physical Review B, 2006, 73, .	1.1	44
60	Spin dynamics in dilute nitride semiconductors at room temperature. Applied Physics Letters, 2005, 87, 252115.	1.5	43
61	Anomalous Hanle Effect due to Optically Created Transverse Overhauser Field in Single<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>InAs</mml:mi><mml:mo>/</mml:mo><mml:mi>GaAs</mml:mi></mml:math>Quantum Dots. Physical Review Letters, 2010, 104, 056603.	2.9	42
62	Highly confined excitons in MgS/ZnSe quantum wells grown by molecular beam epitaxy. Physical Review B, 2001, 64, .	1.1	41
63	Dark-Bright Mixing of Interband Transitions in Symmetric Semiconductor Quantum Dots. Physical Review Letters, 2011, 107, 166604.	2.9	41
64	Vanishing fine-structure splittings in telecommunication-wavelength quantum dots grown on (111)A surfaces by droplet epitaxy. Physical Review B, 2014, 90, .	1.1	41
65	Guide to optical spectroscopy of layered semiconductors. Nature Reviews Physics, 2021, 3, 39-54.	11.9	41
66	Electrical spin injection into p-doped quantum dots through a tunnel barrier. Applied Physics Letters, 2007, 90, 081111.	1.5	40
67	Optically monitored nuclear spin dynamics in individual GaAs quantum dots grown by droplet epitaxy. Physical Review B, 2008, 78, .	1.1	38
68	Controlling the Polarization Eigenstate of a Quantum Dot Exciton with Light. Physical Review Letters, 2009, 103, 086601.	2.9	38
69	Interlayer exciton mediated second harmonic generation in bilayer MoS2. Nature Communications, 2021, 12, 6894.	5.8	38
70	Exciton spin manipulation inInAsâˆ•GaAsquantum dots: Exchange interaction and magnetic field effects. Physical Review B, 2005, 71, .	1.1	37
71	Nuclear magnetization in gallium arsenide quantum dots at zero magnetic field. Nature Communications, 2014, 5, 3268.	5.8	37
72	Efficient phonon cascades in WSe2 monolayers. Nature Communications, 2021, 12, 538.	5.8	34

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73	Probing dark exciton navigation through a local strain landscape in a WSe2 monolayer. Nature Communications, 2022, 13, 232.	5.8	32
74	Spin/valley pumping of resident electrons in WSe2 and WS2 monolayers. Nature Communications, 2021, 12, 5455.	5.8	30
75	Measurement of Conduction and Valence Bands <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>g</mml:mi></mml:mrow></mml:math> -Factors in a Transition Metal Dichalcogenide Monolayer. Physical Review Letters, 2021, 126, 067403.	2.9	28
76	Controlling the Interaction of Electron and Nuclear Spins in a Tunnel-Coupled Quantum Dot. Physical Review Letters, 2011, 106, 046802.	2.9	27
77	Relaxation and darkening of excitonic complexes in electrostatically doped monolayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>WSe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> : Roles of exciton-electron and trion-electron interactions. Physical Review B, 2022, 105, .	1.1	26
78	Bunching visibility for correlated photons from single GaAs quantum dots. Physical Review B, 2009, 79, .	1.1	25
79	Magnetic field induced valence band mixing in [111] grown semiconductor quantum dots. Physical Review B, 2013, 87, .	1.1	24
80	Spectrally narrow exciton luminescence from monolayer MoS2 and MoSe2 exfoliated onto epitaxially grown hexagonal BN. Applied Physics Letters, 2018, 113, .	1.5	22
81	Monolayer Boron Nitride: Hyperspectral Imaging in the Deep Ultraviolet. Nano Letters, 2021, 21, 10133-10138.	4.5	22
82	Hyperfine interaction in InAs/GaAs self-assembled quantum dots: dynamical nuclear polarization versus spin relaxation. Comptes Rendus Physique, 2008, 9, 874-884.	0.3	21
83	Growth and characterization of MgS/CdSe self-assembled quantum dots. Journal of Crystal Growth, 2003, 251, 581-585.	0.7	20
84	Electron and hole spin cooling efficiency in InAs quantum dots: The role of nuclear field. Applied Physics Letters, 2010, 96, .	1.5	18
85	Divide and polarize. Nature Physics, 2015, 11, 94-95.	6.5	17
86	MBE growth of ZnS and ZnCdS layers on GaP. Journal of Crystal Growth, 2000, 214-215, 197-201.	0.7	16
87	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>L</mml:mi></mml:mrow></mml:math>-valley electron spin dynamics in GaAs. Physical Review B, 2013, 87, .	1.1	16
88	Identifying short surface ligands on metal phosphide quantum dots. Physical Chemistry Chemical Physics, 2016, 18, 17330-17334.	1.3	16
89	Electrical Initialization of Electron and Nuclear Spins in a Single Quantum Dot at Zero Magnetic Field. Nano Letters, 2018, 18, 2381-2386.	4.5	16
90	Unveiling the Optical Emission Channels of Monolayer Semiconductors Coupled to Silicon Nanoantennas. ACS Photonics, 2020, 7, 3106-3115.	3.2	16

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91	Excitonic properties of ZnS quantum wells. Physical Review B, 2001, 64, .	1.1	15
92	Carrier storage and capture dynamics in quantum-dot heterostructures. Applied Physics Letters, 2003, 82, 3761-3763.	1.5	15
93	Electron spin quantum beats in positively charged quantum dots: Nuclear field effects. Physical Review B, 2007, 75, .	1.1	15
94	Materials in flatland twist and shine. Nature, 2019, 567, 39-40.	13.7	15
95	Control of the exciton valley dynamics in atomically thin semiconductors by tailoring the environment. Physical Review B, 2021, 103, .	1.1	15
96	Second harmonic generation control in twisted bilayers of transition metal dichalcogenides. Physical Review B, 2022, 105, .	1.1	15
97	Ultrafast exciton dynamics. Nature Materials, 2015, 14, 860-861.	13.3	14
98	Stacking-dependent exciton multiplicity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>WSe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml bilayers. Physical Review B, 2022, 106, .	1.1	14
99	Excitonic properties of MgS/ZnSe quantum wells. Applied Physics Letters, 2000, 77, 3755-3757.	1.5	13
100	Intervalley polaron in atomically thin transition metal dichalcogenides. Physical Review B, 2019, 100, .	1.1	13
101	Charge tuning in [111] grown GaAs droplet quantum dots. Applied Physics Letters, 2014, 105, 082111.	1.5	12
102	Growth of zinc blende MgS and MgS/ZnSe quantum wells by MBE using ZnS as a sulphur source. Journal of Crystal Growth, 2001, 227-228, 634-638.	0.7	11
103	Excitons with large binding energies in MgS/ZnSe/MgS and ZnMgS/ZnS/ZnMgS quantum wells. Journal of Physics Condensed Matter, 2001, 13, 2317-2329.	0.7	11
104	Hyperfine coupling of hole and nuclear spins in symmetric (111)-grown GaAs quantum dots. Physical Review B, 2016, 94, .	1.1	11
105	Role of hyperfine interaction on electron spin optical orientation in charge-controlled InAs-GaAs single quantum dots. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 202-207.	0.8	10
106	Voltage control of electron-nuclear spin correlation time in a single quantum dot. Physical Review B, 2013, 88, .	1.1	10
107	Magnetospectroscopy of excited states in charge-tunable GaAs/AlGaAs [111] quantum dots. Physical Review B, 2016, 93, .	1.1	10
108	Growth of (Zn,Cd)S and (Zn,Mg)S containing structures on GaP. Journal of Crystal Growth, 2001, 227-228, 655-659.	0.7	9

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109	Growth and characterization of CdSe:Mn quantum dots. Journal of Crystal Growth, 2003, 251, 586-590.	0.7	9
110	Electron spin dephasing and optical pumping of nuclear spins in GaN. Physical Review B, 2014, 90, .	1.1	9
111	Charged excitons in individual quantum dots: effects of vertical electric fields and optical pump power. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 17, 35-36.	1.3	7
112	Magneto photoluminescence in droplet epitaxial GaAs quantum rings. Physica Status Solidi (B): Basic Research, 2009, 246, 861-863.	0.7	7
113	Physical Origins of Extreme Cross-Polarization Extinction in Confocal Microscopy. Physical Review X, 2021, 11, .	2.8	7
114	Room Temperature Micro-Photoluminescence Studies of Colloidal WS2 Nanosheets. Journal of Physical Chemistry C, 2021, 125, 18841-18848.	1.5	7
115	Exciton Spin Dynamics in Semiconductor Quantum Dots. Springer Series in Solid-state Sciences, 2008, , 91-113.	0.3	7
116	Strained InGaAsP multi-quantum-well structures for InP-based wide linewidth and polarization-insensitive semiconductor optical amplifiers. Microelectronics Journal, 2009, 40, 827-829.	1.1	6
117	Measurement of the critical thickness of ZnCdSe quantum wells in ZnSe barrier layers by the piezoelectric effect. Applied Physics Letters, 1998, 73, 3141-3143.	1.5	5
118	The influence of magnesium on p-type doping and optoelectronic properties of Zn1â^'xMgxSe-based heterostructures. Journal of Crystal Growth, 1999, 201-202, 950-953.	0.7	5
119	Growth and Spectroscopy of CdSe: Mn Quantum Dots. Journal of Superconductivity and Novel Magnetism, 2003, 16, 19-22.	0.5	5
120	Temperature dependent photoluminescence of CdSe quantum dots grown in MgS and ZnSe. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 755-758.	0.8	5
121	On the impact of the stress situation on the optical properties of WSe_2 monolayers under high pressure. Papers in Physics, 0, 11, 110005.	0.2	5
122	Excitonic Properties of ZnS Quantum Wells in ZnMgS. Physica Status Solidi (B): Basic Research, 2002, 229, 549-552.	0.7	4
123	Spin dynamics in p-doped InAs/GaAs quantum dots. Physica Status Solidi (B): Basic Research, 2005, 242, 1233-1236.	0.7	4
124	Imaging Seebeck drift of excitons and trions in MoSe₂ monolayers. 2D Materials, 2021, 8, 045014.	2.0	4
125	Electrical detection of light helicity using a quantum-dot-based hybrid device at zero magnetic field. Physical Review Materials, 2020, 4, .	0.9	4
126	Temperature dependence of the spin dynamics in undoped and n-doped InAs/GaAs quantum dots. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 594-597.	0.8	3

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127	Charged magneto-exciton states in semiconductor quantum dots. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 26, 45-50.	1.3	3
128	Spin dynamics and hyperfine interaction in InAs semiconductor quantum dots. Physica Status Solidi (B): Basic Research, 2006, 243, 2266-2273.	0.7	3
129	Spin relaxation of positive trions in InAs/GaAs quantum dots: the role of hyperfine interaction. Physica Status Solidi (B): Basic Research, 2006, 243, 3917-3921.	0.7	3
130	Controlling hole spin relaxation in charge tunable InAs/GaAs quantum dots. AIP Conference Proceedings, 2005, , .	0.3	2
131	Spin dynamics of electrons and holes in p-doped InAs/GaAs quantum dots. Brazilian Journal of Physics, 2006, 36, 482-487.	0.7	2
132	Direct observation of the electron spin relaxation induced by nuclei in quantum dots. , 2006, , .		2
133	Optical Orientation of Trions in Charge-Tunable InAs/GaAs Quantum Dots. Acta Physica Polonica A, 2004, 106, 185-192.	0.2	2
134	Asymmetric photoelectric effect: Auger-assisted hot hole photocurrents in transition metal dichalcogenides. Nanophotonics, 2020, 10, 105-113.	2.9	2
135	Les dichalcogÃ©nures de mÃ©taux de transition, nouveaux matÃ©riaux bidimensionnels. , 2016, , 21-25.	0.1	2
136	Optical Detection of Long Electron Spin Transport Lengths in a Monolayer Semiconductor. Physical Review Letters, 2022, 129, .	2.9	2
137	Charged Excitons in Self-assembled Quantum Dots. Materials Research Society Symposia Proceedings, 2002, 737, 75.	0.1	1
138	Electrical spin injection in InAs/GaAs p-doped quantum dots through Co/Al2O3/GaAs tunnel barrier. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 567-569.	0.8	1
139	Carrier and nuclear spin pumping in strain free GaAs/AlGaAs quantum dots grown by droplet epitaxy. , 2011, , .		1
140	Nuclear spin effects in quantum dot optics. , 0, , 237-252.		1
141	Reading the signs. Nature Physics, 2013, 9, 65-66.	6.5	1
142	Electrically tunable dynamic nuclear spin polarization in GaAs quantum dots at zero magnetic field. Applied Physics Letters, 2018, 112, 142103.	1.5	1
143	Exciton-phonon coupling in wide bandgap IIâ€“VI quantum wells. Springer Proceedings in Physics, 2001, , 549-550.	0.1	1
144	Spin-Dependent Coupling of Charged Quantum Dot Excitons with Continuum States. Acta Physica Polonica A, 2004, 106, 395-402.	0.2	1

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145	Strain relaxation of ZnCdSe quantum wells grown on (211)B GaAs measured using the piezoelectric effect. Journal of Crystal Growth, 1999, 201-202, 510-513.	0.7	0
146	Creating excitons in II-VI quantum wells with large binding energies. , 0, , .		0
147	Growth and characterisation of CdSe:Mn quantum dots. , 0, , .		0
148	Growth and characterisation of MgS/CdSe self-assembled quantum dots. , 0, , .		0
149	Growth and spectroscopy of II-VI CdSe quantum dots. , 0, , .		0
150	Fine structure of highly charged quantum dot excitons: turning dark into bright states. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 421-425.	0.8	0
151	Coherent spin dynamics in semiconductor quantum dots. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 3157-3162.	0.8	0
152	Spin-Dependent Coupling Of Charged Excitons In Quantum Dots With Continuum States. AIP Conference Proceedings, 2005, , .	0.3	0
153	Charge-controlled nuclear polarization of a single InAs/GaAs quantum dot under optical pumping. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 3752-3756.	0.8	0
154	Dynamic nuclear polarization of a single InAs/GaAs quantum dot : positive versus negative trions. AIP Conference Proceedings, 2007, , .	0.3	0
155	Electron spin quantum beats in positively charged quantum dots. AIP Conference Proceedings, 2007, , .	0.3	0
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