

# Bernhard Urbaszek

## List of Publications by Year in Descending Order

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145  
papers

8,061  
citations

46  
h-index

88  
g-index

169  
ext. papers

9,646  
ext. citations

7  
avg, IF

5.99  
L-index

#	Paper	IF	Citations
145	Probing dark exciton navigation through a local strain landscape in a WSe monolayer.. <i>Nature Communications</i> , <b>2022</b> , 13, 232	17.4	8
144	Relaxation and darkening of excitonic complexes in electrostatically doped monolayer WSe2 : Roles of exciton-electron and trion-electron interactions. <i>Physical Review B</i> , <b>2022</b> , 105,	3.3	1
143	Interlayer exciton mediated second harmonic generation in bilayer MoS. <i>Nature Communications</i> , <b>2021</b> , 12, 6894	17.4	7
142	Physical Origins of Extreme Cross-Polarization Extinction in Confocal Microscopy. <i>Physical Review X</i> , <b>2021</b> , 11,	9.1	3
141	Tuning absorption and emission in monolayer semiconductors: a brief survey. <i>Comptes Rendus Physique</i> , <b>2021</b> , 22, 1-10	1.4	
140	Guide to optical spectroscopy of layered semiconductors. <i>Nature Reviews Physics</i> , <b>2021</b> , 3, 39-54	23.6	13
139	Efficient phonon cascades in WSe monolayers. <i>Nature Communications</i> , <b>2021</b> , 12, 538	17.4	12
138	Measurement of Conduction and Valence Bands g-Factors in a Transition Metal Dichalcogenide Monolayer. <i>Physical Review Letters</i> , <b>2021</b> , 126, 067403	7.4	5
137	Control of the exciton valley dynamics in atomically thin semiconductors by tailoring the environment. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	3
136	Imaging Seebeck drift of excitons and trions in MoSe2 monolayers. <i>2D Materials</i> , <b>2021</b> , 8, 045014	5.9	1
135	Room Temperature Micro-Photoluminescence Studies of Colloidal WS2 Nanosheets. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 18841-18848	3.8	3
134	Monolayer Boron Nitride: Hyperspectral Imaging in the Deep Ultraviolet. <i>Nano Letters</i> , <b>2021</b> , 21, 10133-10138	10.38	8
133	Spin/valley pumping of resident electrons in WSe and WS monolayers. <i>Nature Communications</i> , <b>2021</b> , 12, 5455	17.4	4
132	Spin dependent charge transfer in MoSe2/hBN/Ni hybrid structures. <i>Applied Physics Letters</i> , <b>2021</b> , 119, 263103	3.4	
131	Controlling interlayer excitons in MoS layers grown by chemical vapor deposition. <i>Nature Communications</i> , <b>2020</b> , 11, 2391	17.4	36
130	Phonon-Assisted Photoluminescence from Indirect Excitons in Monolayers of Transition-Metal Dichalcogenides. <i>Nano Letters</i> , <b>2020</b> , 20, 2849-2856	11.5	51
129	Electrical detection of light helicity using a quantum-dot-based hybrid device at zero magnetic field. <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	2

128	Asymmetric photoelectric effect: Auger-assisted hot hole photocurrents in transition metal dichalcogenides. <i>Nanophotonics</i> , <b>2020</b> , 10, 105-113	6.3	1
127	High optical quality of MoS <sub>2</sub> monolayers grown by chemical vapor deposition. <i>2D Materials</i> , <b>2020</b> , 7, 015011	5.9	40
126	Unveiling the Optical Emission Channels of Monolayer Semiconductors Coupled to Silicon Nanoantennas. <i>ACS Photonics</i> , <b>2020</b> , 7, 3106-3115	6.3	4
125	Giant Stark splitting of an exciton in bilayer MoS <sub>2</sub> . <i>Nature Nanotechnology</i> , <b>2020</b> , 15, 901-907	28.7	25
124	Measurement of the spin-forbidden dark excitons in MoS <sub>2</sub> and MoSe <sub>2</sub> monolayers. <i>Nature Communications</i> , <b>2020</b> , 11, 4037	17.4	35
123	Revealing exciton masses and dielectric properties of monolayer semiconductors with high magnetic fields. <i>Nature Communications</i> , <b>2019</b> , 10, 4172	17.4	97
122	Interlayer excitons in bilayer MoS <sub>2</sub> with strong oscillator strength up to room temperature. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	48
121	Control of the Exciton Radiative Lifetime in van der Waals Heterostructures. <i>Physical Review Letters</i> , <b>2019</b> , 123, 067401	7.4	49
120	Intervalley polaron in atomically thin transition metal dichalcogenides. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	10
119	Electrical Initialization of Electron and Nuclear Spins in a Single Quantum Dot at Zero Magnetic Field. <i>Nano Letters</i> , <b>2018</b> , 18, 2381-2386	11.5	13
118	Colloquium: Excitons in atomically thin transition metal dichalcogenides. <i>Reviews of Modern Physics</i> , <b>2018</b> , 90,	40.5	766
117	Exciton diffusion in WSe <sub>2</sub> monolayers embedded in a van der Waals heterostructure. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 152106	3.4	76
116	Observation of exciton-phonon coupling in MoSe <sub>2</sub> monolayers. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	65
115	Two-dimensional semiconductors in the regime of strong light-matter coupling. <i>Nature Communications</i> , <b>2018</b> , 9, 2695	17.4	157
114	Spectrally narrow exciton luminescence from monolayer MoS <sub>2</sub> and MoSe <sub>2</sub> exfoliated onto epitaxially grown hexagonal BN. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 032106	3.4	17
113	Electrically tunable dynamic nuclear spin polarization in GaAs quantum dots at zero magnetic field. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 142103	3.4	1
112	Optical spectroscopy of excited exciton states in MoS <sub>2</sub> monolayers in van der Waals heterostructures. <i>Physical Review Materials</i> , <b>2018</b> , 2,	3.2	60
111	Exciton States in Monolayer MoSe <sub>2</sub> and MoTe <sub>2</sub> Probed by Upconversion Spectroscopy. <i>Physical Review X</i> , <b>2018</b> , 8,	9.1	37

110	Enabling valley selective exciton scattering in monolayer WSe through upconversion. <i>Nature Communications</i> , <b>2017</b> , 8, 14927	17.4	97
109	Synthesis of Highly Anisotropic Semiconducting GaTe Nanomaterials and Emerging Properties Enabled by Epitaxy. <i>Advanced Materials</i> , <b>2017</b> , 29, 1605551	24	45
108	Gate-Controlled Spin-Valley Locking of Resident Carriers in WSe <sub>2</sub> Monolayers. <i>Physical Review Letters</i> , <b>2017</b> , 119, 137401	7.4	74
107	Fine structure and lifetime of dark excitons in transition metal dichalcogenide monolayers. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	98
106	Excitonic Linewidth Approaching the Homogeneous Limit in MoS <sub>2</sub> -Based van der Waals Heterostructures. <i>Physical Review X</i> , <b>2017</b> , 7,	9.1	237
105	In-Plane Propagation of Light in Transition Metal Dichalcogenide Monolayers: Optical Selection Rules. <i>Physical Review Letters</i> , <b>2017</b> , 119, 047401	7.4	176
104	Charged excitons in monolayer WSe <sub>2</sub> : Experiment and theory. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	137
103	Exciton Spin Dynamics in Semiconductor Quantum Dots. <i>Springer Series in Solid-state Sciences</i> , <b>2017</b> , 105, 129		
102	Intrinsic exciton-state mixing and nonlinear optical properties in transition metal dichalcogenide monolayers. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	42
101	Exciton radiative lifetime in transition metal dichalcogenide monolayers. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	256
100	Magneto-spectroscopy of excited states in charge-tunable GaAs/AlGaAs [111] quantum dots. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	10
99	Splitting between bright and dark excitons in transition metal dichalcogenide monolayers. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	156
98	Control of Exciton Valley Coherence in Transition Metal Dichalcogenide Monolayers. <i>Physical Review Letters</i> , <b>2016</b> , 117, 187401	7.4	89
97	Excitonic properties of semiconducting monolayer and bilayer MoTe <sub>2</sub> . <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	40
96	Ultra-low power threshold for laser induced changes in optical properties of 2D molybdenum dichalcogenides. <i>2D Materials</i> , <b>2016</b> , 3, 045008	5.9	54
95	Identifying short surface ligands on metal phosphide quantum dots. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 17330-4	3.6	14
94	Les dichalcogénures de métaux de transition, nouveaux matériaux bidimensionnels <b>2016</b> , 21-25	0.1	
93	Discrete quantum dot like emitters in monolayer MoSe <sub>2</sub> : Spatial mapping, magneto-optics, and charge tuning. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 142101	3.4	77

92	Well separated trion and neutral excitons on superacid treated MoS2 monolayers. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 251106	3.4	46
91	Hyperfine coupling of hole and nuclear spins in symmetric (111)-grown GaAs quantum dots. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	9
90	Domain Architectures and Grain Boundaries in Chemical Vapor Deposited Highly Anisotropic ReS2 Monolayer Films. <i>Nano Letters</i> , <b>2016</b> , 16, 5888-94	11.5	67
89	Giant enhancement of the optical second-harmonic emission of WSe(2) monolayers by laser excitation at exciton resonances. <i>Physical Review Letters</i> , <b>2015</b> , 114, 097403	7.4	365
88	Polarization and time-resolved photoluminescence spectroscopy of excitons in MoSe2 monolayers. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 112101	3.4	110
87	2D materials: Ultrafast exciton dynamics. <i>Nature Materials</i> , <b>2015</b> , 14, 860-1	27	13
86	Spin and valley dynamics of excitons in transition metal dichalcogenide monolayers. <i>Physica Status Solidi (B): Basic Research</i> , <b>2015</b> , 252, 2349-2362	1.3	85
85	Double resonant Raman scattering and valley coherence generation in monolayer WSe <sub>2</sub> . <i>Physical Review Letters</i> , <b>2015</b> , 115, 117401	7.4	52
84	Magneto-optics in transition metal diselenide monolayers. <i>2D Materials</i> , <b>2015</b> , 2, 034002	5.9	100
83	Spin-orbit engineering in transition metal dichalcogenide alloy monolayers. <i>Nature Communications</i> , <b>2015</b> , 6, 10110	17.4	142
82	Exciton states in monolayer MoSe <sub>2</sub> : impact on interband transitions. <i>2D Materials</i> , <b>2015</b> , 2, 045005	5.9	55
81	Nuclear magnetization in gallium arsenide quantum dots at zero magnetic field. <i>Nature Communications</i> , <b>2014</b> , 5, 3268	17.4	32
80	Exciton valley dynamics probed by Kerr rotation in WSe2 monolayers. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	207
79	Valley dynamics probed through charged and neutral exciton emission in monolayer WSe2. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	264
78	Carrier and polarization dynamics in monolayer MoS2. <i>Physical Review Letters</i> , <b>2014</b> , 112, 047401	7.4	273
77	Charge tuning in [111] grown GaAs droplet quantum dots. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 082111	3.4	12
76	Exciton fine structure and spin decoherence in monolayers of transition metal dichalcogenides. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	182
75	Vanishing fine-structure splittings in telecommunication-wavelength quantum dots grown on (111)A surfaces by droplet epitaxy. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	34

74	Exciton dynamics in WSe <sub>2</sub> bilayers. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 182105	3-4	40
73	Electron spin dephasing and optical pumping of nuclear spins in GaN. <i>Physical Review B</i> , <b>2014</b> , 90,	3-3	9
72	Symmetric quantum dots as efficient sources of highly entangled photons: Violation of Bell's inequality without spectral and temporal filtering. <i>Physical Review B</i> , <b>2013</b> , 88,	3-3	104
71	3D assembly of upconverting NaYF <sub>4</sub> nanocrystals by AFM nanoxerography: creation of anti-counterfeiting microtags. <i>Nanoscale</i> , <b>2013</b> , 5, 9587-92	7-7	67
70	Nuclear spin physics in quantum dots: An optical investigation. <i>Reviews of Modern Physics</i> , <b>2013</b> , 85, 79-143	3-5	237
69	L-valley electron spin dynamics in GaAs. <i>Physical Review B</i> , <b>2013</b> , 87,	3-3	13
68	Magnetic field induced valence band mixing in [111] grown semiconductor quantum dots. <i>Physical Review B</i> , <b>2013</b> , 87,	3-3	21
67	Voltage control of electron-nuclear spin correlation time in a single quantum dot. <i>Physical Review B</i> , <b>2013</b> , 88,	3-3	9
66	Strain tuning of optical emission energy and polarization in monolayer and bilayer MoS <sub>2</sub> . <i>Physical Review B</i> , <b>2013</b> , 88,	3-3	285
65	Robust optical emission polarization in MoS <sub>2</sub> monolayers through selective valley excitation. <i>Physical Review B</i> , <b>2012</b> , 86,	3-3	330
64	Dark-bright mixing of interband transitions in symmetric semiconductor quantum dots. <i>Physical Review Letters</i> , <b>2011</b> , 107, 166604	7-4	38
63	Carrier and nuclear spin pumping in strain free GaAs/AlGaAs quantum dots grown by droplet epitaxy <b>2011</b> ,		1
62	Robust quantum dot exciton generation via adiabatic passage with frequency-swept optical pulses. <i>Physical Review Letters</i> , <b>2011</b> , 106, 166801	7-4	87
61	Controlling the interaction of electron and nuclear spins in a tunnel-coupled quantum dot. <i>Physical Review Letters</i> , <b>2011</b> , 106, 046802	7-4	22
60	Electron and hole spin cooling efficiency in InAs quantum dots: The role of nuclear field. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 172108	3-4	18
59	Impact of heavy hole-light hole coupling on optical selection rules in GaAs quantum dots. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 051111	3-4	60
58	Anomalous Hanle effect due to optically created transverse overhauser field in single InAs/GaAs quantum dots. <i>Physical Review Letters</i> , <b>2010</b> , 104, 056603	7-4	36
57	Bunching visibility for correlated photons from single GaAs quantum dots. <i>Physical Review B</i> , <b>2009</b> , 79,	3-3	23

56	Controlling the polarization eigenstate of a quantum dot exciton with light. <i>Physical Review Letters</i> , <b>2009</b> , 103, 086601	7.4	34
55	Optical orientation of electron and nuclear spins in strain free GaAs quantum dots grown by droplet epitaxy. <i>Physica Status Solidi (B): Basic Research</i> , <b>2009</b> , 246, 762-765	1.3	
54	Magneto photoluminescence in droplet epitaxial GaAs quantum rings. <i>Physica Status Solidi (B): Basic Research</i> , <b>2009</b> , 246, 861-863	1.3	4
53	Strained InGaAsP multi-quantum-well structures for InP-based wide linewidth and polarization-insensitive semiconductor optical amplifiers. <i>Microelectronics Journal</i> , <b>2009</b> , 40, 827-829	1.8	6
52	Optically monitored nuclear spin dynamics in individual GaAs quantum dots grown by droplet epitaxy. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	37
51	Hyperfine interaction in InAs/GaAs self-assembled quantum dots: dynamical nuclear polarization versus spin relaxation. <i>Comptes Rendus Physique</i> , <b>2008</b> , 9, 874-884	1.4	18
50	Exciton Spin Dynamics in Semiconductor Quantum Dots. <i>Springer Series in Solid-state Sciences</i> , <b>2008</b> , 91-113	1.3	6
49	Electrical spin injection in InAs/GaAs p-doped quantum dots through Co/Al <sub>2</sub> O <sub>3</sub> /GaAs tunnel barrier. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2007</b> , 4, 567-569		1
48	Role of hyperfine interaction on electron spin optical orientation in charge-controlled InAs/GaAs single quantum dots. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2007</b> , 204, 202-207	1.6	9
47	Efficient dynamical nuclear polarization in quantum dots: Temperature dependence. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	45
46	Electrical spin injection into p-doped quantum dots through a tunnel barrier. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 081111	3.4	33
45	Electron spin quantum beats in positively charged quantum dots: Nuclear field effects. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	14
44	Negative circular polarization as a general property of n-doped self-assembled InAs/GaAs quantum dots under nonresonant optical excitation. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	42
43	Bistability of the nuclear polarization created through optical pumping in In <sub>1-x</sub> Ga <sub>x</sub> As quantum dots. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	95
42	Dynamic nuclear polarization of a single charge-tunable InAs/GaAs quantum dot. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	96
41	Spin dynamics of electrons and holes in p-doped InAs/GaAs quantum dots. <i>Brazilian Journal of Physics</i> , <b>2006</b> , 36, 482-487	1.2	2
40	Charge-controlled nuclear polarization of a single InAs/GaAs quantum dot under optical pumping. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2006</b> , 3, 3752-3756		
39	Spin dynamics and hyperfine interaction in InAs semiconductor quantum dots. <i>Physica Status Solidi (B): Basic Research</i> , <b>2006</b> , 243, 2266-2273	1.3	3

38	Spin relaxation of positive trions in InAs/GaAs quantum dots: the role of hyperfine interaction. <i>Physica Status Solidi (B): Basic Research</i> , <b>2006</b> , 243, 3917-3921	1.3	3
37	Exciton spin manipulation in InAs/GaAs quantum dots: Exchange interaction and magnetic field effects. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	34
36	Direct observation of the electron spin relaxation induced by nuclei in quantum dots. <i>Physical Review Letters</i> , <b>2005</b> , 94, 116601	7.4	209
35	Charged magneto-exciton states in semiconductor quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2005</b> , 26, 45-50	3	2
34	Coherent spin dynamics in semiconductor quantum dots. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2005</b> , 2, 3157-3162		
33	Spin dynamics in p-doped InAs/GaAs quantum dots. <i>Physica Status Solidi (B): Basic Research</i> , <b>2005</b> , 242, 1233-1236	1.3	3
32	Controlling hole spin relaxation in charge tunable InAs/GaAs quantum dots. <i>AIP Conference Proceedings</i> , <b>2005</b> ,	0	2
31	Spin dynamics in dilute nitride semiconductors at room temperature. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 252115	3.4	40
30	Electrical control of hole spin relaxation in charge tunable InAs/GaAs quantum dots. <i>Physical Review Letters</i> , <b>2005</b> , 94, 147401	7.4	71
29	Hybridization of electronic states in quantum dots through photon emission. <i>Nature</i> , <b>2004</b> , 427, 135-8	50.4	109
28	Fine structure of highly charged quantum dot excitons: turning dark into bright states. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2004</b> , 1, 421-425		
27	Temperature dependence of the spin dynamics in undoped and n-doped InAs/GaAs quantum dots. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2004</b> , 1, 594-597		3
26	Temperature dependent photoluminescence of CdSe quantum dots grown in MgS and ZnSe. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2004</b> , 1, 755-758		5
25	Temperature-dependent linewidth of charged excitons in semiconductor quantum dots: Strongly broadened ground state transitions due to acoustic phonon scattering. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	46
24	Optical Orientation of Trions in Charge-Tunable InAs/GaAs Quantum Dots. <i>Acta Physica Polonica A</i> , <b>2004</b> , 106, 185-192	0.6	2
23	Spin-Dependent Coupling of Charged Quantum Dot Excitons with Continuum States. <i>Acta Physica Polonica A</i> , <b>2004</b> , 106, 395-402	0.6	1
22	Growth and Spectroscopy of CdSe: Mn Quantum Dots. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2003</b> , 16, 19-22		5
21	Growth and characterization of MgS/CdSe self-assembled quantum dots. <i>Journal of Crystal Growth</i> , <b>2003</b> , 251, 581-585	1.6	19



20	Charged excitons in individual quantum dots: effects of vertical electric fields and optical pump power. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2003</b> , 17, 35-36	3	7
19	Growth and characterization of CdSe:Mn quantum dots. <i>Journal of Crystal Growth</i> , <b>2003</b> , 251, 586-590	1.6	9
18	Carrier storage and capture dynamics in quantum-dot heterostructures. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 3761-3763	3.4	12
17	Fine structure of highly charged excitons in semiconductor quantum dots. <i>Physical Review Letters</i> , <b>2003</b> , 90, 247403	7.4	114
16	Excitonic Properties of ZnS Quantum Wells in ZnMgS. <i>Physica Status Solidi (B): Basic Research</i> , <b>2002</b> , 229, 549-552	1.3	4
15	Charged Excitons in Self-assembled Quantum Dots. <i>Materials Research Society Symposia Proceedings</i> , <b>2002</b> , 737, 75		1
14	Growth of zinc blende MgS and MgS/ZnSe quantum wells by MBE using ZnS as a sulphur source. <i>Journal of Crystal Growth</i> , <b>2001</b> , 227-228, 634-638	1.6	11
13	Growth of (Zn,Cd)S and (Zn,Mg)S containing structures on GaP. <i>Journal of Crystal Growth</i> , <b>2001</b> , 227-228, 655-659	1.6	9
12	Excitons with large binding energies in MgS/ZnSe/MgS and ZnMgS/ZnS/ZnMgS quantum wells. <i>Journal of Physics Condensed Matter</i> , <b>2001</b> , 13, 2317-2329	1.8	9
11	Excitonic properties of ZnS quantum wells. <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	13
10	Highly confined excitons in MgS/ZnSe quantum wells grown by molecular beam epitaxy. <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	39
9	Exciton-phonon coupling in wide bandgap II-VI quantum wells. <i>Springer Proceedings in Physics</i> , <b>2001</b> , 549-550	0.2	1
8	MBE growth of ZnS and ZnCdS layers on GaP. <i>Journal of Crystal Growth</i> , <b>2000</b> , 214-215, 197-201	1.6	14
7	Excitonic properties of MgS/ZnSe quantum wells. <i>Applied Physics Letters</i> , <b>2000</b> , 77, 3755-3757	3.4	13
6	Growth of zinc blende MgS/ZnSe single quantum wells by molecular-beam epitaxy using ZnS as a sulphur source. <i>Applied Physics Letters</i> , <b>2000</b> , 76, 3929-3931	3.4	52
5	Strain relaxation of ZnCdSe quantum wells grown on (211)B GaAs measured using the piezoelectric effect. <i>Journal of Crystal Growth</i> , <b>1999</b> , 201-202, 510-513	1.6	
4	The influence of magnesium on p-type doping and optoelectronic properties of Zn <sub>1-x</sub> Mg <sub>x</sub> Se-based heterostructures. <i>Journal of Crystal Growth</i> , <b>1999</b> , 201-202, 950-953	1.6	5
3	Measurement of the critical thickness of ZnCdSe quantum wells in ZnSe barrier layers by the piezoelectric effect. <i>Applied Physics Letters</i> , <b>1998</b> , 73, 3141-3143	3.4	5

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1 On the impact of the stress situation on the optical properties of  $WSe_2$  monolayers under high pressure. *Papers in Physics*, 11, 110005

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