Wojciech Pacuski

List of Publications by Year
in descending order

107	1,306	394286 19	434063 31
papers	citations	h-index	g-index

107	107	107	1263
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Designing quantum dots for solotronics. Nature Communications, 2014, 5, 3191.	5.8	119
2	Effect of thes,pâ˜'dexchange interaction on the excitons inZn1â˜'xCoxOepilayers. Physical Review B, 2006, 73, .	1.1	94
3	Magnetic ground state of an individual Fe2+ ion in strained semiconductor nanostructure. Nature Communications, 2016, 7, 10484.	5.8	53
4	Observation of Strong-Coupling Effects in a Diluted Magnetic Semiconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Ga</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â˜'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:mi mathvariant="normal">N</mml:mi></mml:math>. Physical Review Letters, 2008, 100, 037204.	2.9	51
5	Permittivity of Ge, Te and Se thin films in the 200â€“1500â€¯nm spectral range. Predicting the segregation effects in silver. Materials Science in Semiconductor Processing, 2018, 81, 64-67.	1.9	48
6	Magnetization Dynamics Down to a Zero Field in Dilute (Cd,Mn)Te Quantum Wells. Physical Review Letters, 2009, 102, 046408.	2.9	38
7	Narrow Excitonic Lines and Large-Scale Homogeneity of Transition-Metal Dichalcogenide Monolayers Grown by Molecular Beam Epitaxy on Hexagonal Boron Nitride. Nano Letters, 2020, 20, 3058-3066.	4.5	35
8	High-reflectivity broadband distributed Bragg reflector lattice matched to ZnTe. Applied Physics Letters, 2009, 94, 191108.	1.5	32
9	Inhibition and Enhancement of the Spontaneous Emission of Quantum Dots in Micropillar Cavities with Radial-Distributed Bragg Reflectors. ACS Nano, 2014, 8, 9970-9978.	7.3	30
10	Ultra-long-working-distance spectroscopy of single nanostructures with aspherical solid immersion microlenses. Light: Science and Applications, 2020, 9, 48.	7.7	28
11	Neuromorphic Binarized Polariton Networks. Nano Letters, 2021, 21, 3715-3720.	4.5	28
12	MBE Growth and Properties of ZnTe- and CdTe-Based Nanowires. Journal of the Korean Physical Society, 2008, 53, 3055-3063.	0.3	26
13	Influence of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>s</mml:mi></mml:math>,<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi></mml:math>-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>d</mml:mi></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998	1.1	25
14	Micropillar Cavity Containing a CdTe Quantum Dot with a Single Manganese Ion. Crystal Growth and Design, 2014, 14, 988-992.	1.4	23
15	Excitonic giant Zeeman effect in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Ga</mml:mi><mml:mi mathvariant="normal">N</mml:mi><mml:mo>:</mml:mo><mml:msup><mml:mi mathvariant="normal">Mn</mml:mi><mml:mrow><mml:mn>3</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:m	1.1	22
16	Effects ofs,p-dands-pexchange interactions probed by exciton magnetospectroscopy in (Ga,Mn)N. Physical Review B, 2011, 83, .	1.1	21
17	Pronounced Purcell enhancement of spontaneous emission in CdTe/ZnTe quantum dots embedded in micropillar cavities. Applied Physics Letters, 2012, 101, 132105.	1.5	21
18	Magneto-optical properties of the diluted magnetic semiconductor -type ZnMnO. Solid State Communications, 2006, 139, 541-544.	0.9	20

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19	Optical fiber micro-connector with nanometer positioning precision for rapid prototyping of photonic devices. Optics Express, 2018, 26, 11513.	1.7	20
20	Strong coupling and polariton lasing in Te based microcavities embedding (Cd,Zn)Te quantum wells. Applied Physics Letters, 2015, 107, .	1.5	19
21	Optical spin orientation of an individualMn2+ion in a CdSe/ZnSe quantum dot. Physical Review B, 2015, 91, .	1.1	19
22	Angular dependence of giant Zeeman effect for semimagnetic cavity polaritons. Physical Review B, 2017, 95, .	1.1	19
23	Spin engineering of carrier-induced magnetic ordering in (Cd,Mn)Te quantum wells. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 21, 943-946.	1.3	18
24	Fe dopant in ZnO: 2+ versus 3+ valency and ion-carrier <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>s</mml:mi><mml:mo>,</mml:mo><mml:mi>p</mml:mi><mml:mi><exchange interaction. Physical Review B, 2016, 94, .	1.1	18
25	Measuring the spin polarization and Zeeman energy of a spin-polarized electron gas: Comparison between Raman scattering and photoluminescence. Physical Review B, 2007, 76, .	1.1	16
26	Spin Carrier Exchange Interactions in (Ga,Mn)N and (Zn,Co)O Wide Band Gap Diluted Magnetic Semiconductor Epilayers. Journal of Superconductivity and Novel Magnetism, 2005, 18, 15-21.	0.5	15
27	Optical study of electron-electron exchange interaction in CdTe/ZnTe quantum dots. Physical Review B, 2013, 87, .	1.1	15
28	Magnetic field effect on the lasing threshold of a semimagnetic polariton condensate. Physical Review B, 2017, 96, .	1.1	15
29	Magnetization dynamics in (Cd,Mn)Te quantum wells. Physica Status Solidi (B): Basic Research, 2006, 243, 882-886.	0.7	14
30	MBE growth and characterization of a IIâ€“VI distributed Bragg reflector and microcavity lattice-matched to MgTe. Journal of Crystal Growth, 2013, 378, 266-269.	0.7	14
31	Heteroepitaxial Growth of High Optical Quality, Wafer-Scale van der Waals Heterostrucutres. ACS Applied Materials & Interfaces, 2021, 13, 47904-47911.	4.0	14
32	Giant spin Meissner effect in a nonequilibrium exciton-polariton gas. Physical Review B, 2019, 99, .	1.1	13
33	Monolithic ZnTe-based pillar microcavities containing CdTe quantum dots. Nanotechnology, 2011, 22, 285204.	1.3	12
34	Relaxation dynamics of ferromagnetic domains in (Cd,Mn)Te quantum wells. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 32, 454-457.	1.3	11
35	Ultra low density of CdTe quantum dots grown by MBE. Journal of Crystal Growth, 2013, 378, 274-277.	0.7	11
36	Light Emitting Spin Active Electronic States in Ultra-Thin Mn Doped CdSe Layered Nanosheets. Scientific Reports, 2019, 9, 1804.	1.6	11

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37	Long-distance coupling and energy transfer between exciton states in magnetically controlled microcavities. Communications Materials, 2020, 1, .	2.9	11
38	MBE grown microcavities based on selenium and tellurium compounds. Journal of Crystal Growth, 2014, 401, 499-503.	0.7	10
39	Origin of luminescence quenching in structures containing CdSe/ZnSe quantum dots with a few Mn2+ ions. Physical Review B, 2017, 96, .	1.1	10
40	Optical Properties of CdTe QDs Formed Using Zn Induced Reorganization. Acta Physica Polonica A, 2011, 119, 627-629.	0.2	10
41	Zn1â^'xMnxO : A typical member of the II-VI:Mn DMS family. Superlattices and Microstructures, 2007, 42, 176-184.	1.4	9
42	Light-matter coupling in ZnTe-based micropillar cavities containing CdTe quantum dots. Journal of Applied Physics, 2013, 113, 136504.	1.1	9
43	Photoluminescence studies of giant Zeeman effect in MBE-grown cobalt-based dilute magnetic semiconductors. Journal of Crystal Growth, 2014, 401, 644-647.	0.7	9
44	Distributed Bragg reflectors obtained by combining Se and Te compounds: Influence on the luminescence from CdTe quantum dots. Journal of Applied Physics, 2016, 119, 183105.	1.1	9
45	Triple threshold lasing from a photonic trap in a Te/Se-based optical microcavity. Communications Physics, 2019, 2, .	2.0	9
46	Photoluminescence of CdTe quantum wells doped with cobalt and iron. Journal of Luminescence, 2020, 221, 117047.	1.5	9
47	(Cd,Zn,Mg)Te-based microcavity on MgTe sacrificial buffer: Growth, lift-off, and transmission studies of polaritons. Physical Review Materials, 2018, 2, .	0.9	9
48	Relation between exciton splittings, magnetic circular dichroism, and magnetization in wurtzite Ga<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>N. Physical Review B, 2013, 88, .	1.1	8
49	Comparison of magneto-optical properties of various excitonic complexes in CdTe and CdSe self-assembled quantum dots. Journal of Physics Condensed Matter, 2016, 28, 265302.	0.7	8
50	Antireflective Photonic Structure for Coherent Nonlinear Spectroscopy of Single Magnetic Quantum Dots. Crystal Growth and Design, 2017, 17, 2987-2992.	1.4	8
51	Spin polarized semimagnetic exciton-polariton condensate in magnetic field. Scientific Reports, 2018, 8, 6694.	1.6	8
52	Charge transport in MBE-grown 2H-MoTe2 bilayers with enhanced stability provided by an AlOx capping layer. Nanoscale, 2020, 12, 16535-16542.	2.8	8
53	Molecular Beam Epitaxy of a 2D Material Nearly Lattice Matched to a 3D Substrate: NiTe₂ on GaAs. Crystal Growth and Design, 2021, 21, 5773-5779.	1.4	8
54	Far field emission of micropillar and planar microcavities lattice-matched to ZnTe. Open Physics, 2011, 9, 428-431.	0.8	7

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55	Single-color, in situ photolithography marking of individual CdTe/ZnTe quantum dots containing a single Mn2+ ion. Applied Physics Letters, 2015, 106, .	1.5	7
56	Design and Control of Mode Interaction in Coupled ZnTe Optical Microcavities. Crystal Growth and Design, 2017, 17, 3716-3723.	1.4	7
57	Direct determination of the zero-field splitting for a single<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow><mml:mi>Co</mml:mi></mml:mrow><mml:mrow> embedded in a CdTe/ZnTe quantum dot. Physical Review B, 2018, 97, .	1.1	7
58	Optical Study of ZnTe-Based 2D and 0D Photonic Structures Containing CdTe/ZnTe Quantum Dots. Acta Physica Polonica A, 2009, 116, 888-889.	0.2	7
59	Effect of electron-hole separation on optical properties of individual Cd(Se,Te) quantum dots. Physical Review B, 2016, 93, .	1.1	6
60	Fine structure of an exciton coupled to a single Fe2+ ion in a CdSe/ZnSe quantum dot. Physical Review B, 2017, 96, .	1.1	6
61	Direct Measurement of Hyperfine Shifts and Radio Frequency Manipulation of Nuclear Spins in Individual CdTe/ZnTe Quantum Dots. Physical Review Letters, 2019, 122, 096801.	2.9	6
62	Excitonic Giant Zeeman Effect in Wide Gap Diluted Magnetic Semiconductors Based on ZnO and GaN. Acta Physica Polonica A, 2006, 110, 303-309.	0.2	6
63	MBE Growth and Magnetooptical Properties of (Zn,Co)Te Layers. Acta Physica Polonica A, 2012, 122, 1010-1011.	0.2	6
64	MnSe - Molecular Beam Epitaxy Growth and Optical Characterisation. Acta Physica Polonica A, 2019, 136, 598-602.	0.2	6
65	Effect of magnetic field on intraionic photoluminescence of (Zn,Co)Se. Solid State Communications, 2015, 208, 7-10.	0.9	5
66	Epitaxial growth and photoluminescence excitation spectroscopy of CdSe quantum dots in (Zn,Cd)Se barrier. Journal of Luminescence, 2016, 173, 94-98.	1.5	5
67	Polariton lasing and energy-degenerate parametric scattering in non-resonantly driven coupled planar microcavities. Nanophotonics, 2021, 10, 2421-2429.	2.9	5
68	Preparation and Optical Properties of Zn_{1-x}Mn_xTe_{1-y}O_yHighly Mismatched Alloy. Acta Physica Polonica A, 2007, 112, 407-414.	0.2	5
69	Toward Better Light-Confinement in Micropillar Cavities. Acta Physica Polonica A, 2011, 120, 877-879.	0.2	5
70	MBE Growth of CdTe/ZnTe Quantum Dots with Single Mn Ions. Acta Physica Polonica A, 2012, 122, 1056-1058.	0.2	5
71	Magneto-optical spectroscopy of (Zn,Co)O epilayers. Physica Status Solidi (B): Basic Research, 2006, 243, 863-867.	0.7	4
72	Optical Spectroscopy of Wide-Gap Diluted Magnetic Semiconductors. Springer Series in Materials Science, 2010, , 37-63.	0.4	4

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73	The impact of position of Mn Î´-doping on the formation of CdTe/ZnTe quantum dots with single magnetic ions. Journal of Crystal Growth, 2014, 401, 640-643.	0.7	4
74	Anisotropy of in-plane hole<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>g</mml:mi></mml:math>factor in CdTe/ZnTe quantum dots. Physical Review B, 2016, 93, .	1.1	4
75	Interaction of Te and Se interlayers with Ag or Au nanofilms in sandwich structures. Beilstein Journal of Nanotechnology, 2019, 10, 238-246.	1.5	4
76	Growth and Properties of ZnMnTe Nanowires. Acta Physica Polonica A, 2007, 112, 351-356.	0.2	4
77	Magneto-Optical Properties of ZnO:Co Nanocrystalline Films. Journal of the Korean Physical Society, 2008, 52, 1621-1624.	0.3	4
78	Coherent Dynamics of a Single Mn-Doped Quantum Dot Revealed by Four-Wave Mixing Spectroscopy. ACS Photonics, 0, , .	3.2	4
79	Determination of Si ?-Doping Concentration in GaN by Electroreflectance. Physica Status Solidi (B): Basic Research, 2002, 234, 868-871.	0.7	3
80	Intrinsic magnetism in wurtzite (Ga,Mn)N. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 4062-4065.	0.8	3
81	Type I CdSe and CdMgSe Quantum Wells. Acta Physica Polonica A, 2014, 126, 1167-1170.	0.2	3
82	Exfoliation of epilayers with quantum dots. Materials Today: Proceedings, 2017, 4, 7053-7058.	0.9	3
83	Impact of Stripe Shape on the Reflectivity of Monolithic High Contrast Gratings. ACS Photonics, 2021, 8, 3173-3184.	3.2	3
84	Neural Networks Based on Ultrafast Time-Delayed Effects in Exciton Polaritons. Physical Review Applied, 2022, 17, .	1.5	3
85	Photoluminescence Dynamics of CdSe Quantum Dot with Single Mn2+Ion under Modulated Excitation. Acta Physica Polonica A, 2014, 126, 1212-1214.	0.2	2
86	Individual cobalt and manganese ions in semiconductor quantum dots and photonic structures. , 2014, , .		2
87	Angle-resolved optically detected magnetic resonance as a tool for strain determination in nanostructures. Physical Review B, 2022, 105, .	1.1	2
88	Ferromagnetic phase in IIâ€“VI semiconductors controlled by carriers. Physica Status Solidi (B): Basic Research, 2004, 241, 692-699.	0.7	1
89	Influence of carriers on magnetization relaxation in (Cd,Mn)Te quantum wells. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 307-310.	0.8	1
90	Direct Interbranch Relaxation of Polaritons in a Microcavity with Embedded CdSe/(Cd,Mg)Se Quantum Wells. Journal of Electronic Materials, 2020, 49, 4531-4536.	1.0	1

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91	Charged Exciton Dissociation Energy in (Cd,Mn)Te Quantum Wells with Variable Disorder and Carrier Density. Journal of Electronic Materials, 2020, 49, 4512-4517.	1.0	1
92	Hybrid Semimagnetic Polaritons in a Strongly Coupled Optical Microcavity. Journal of Physical Chemistry Letters, 2021, 12, 7619-7624.	2.1	1
93	Magnetooptical Properties of (Ga,Fe)N Layers. Acta Physica Polonica A, 2011, 120, 921-923.	0.2	1
94	MBE Growth and Characterization of a III-V Distributed Bragg Reflectors and InAs Quantum Dots. Acta Physica Polonica A, 2012, 122, 984-987.	0.2	1
95	Coupling of Quantum Dots with Quantum Wells in a System Based on (Cd,Zn,Mg)Te. Acta Physica Polonica A, 2017, 132, 369-371.	0.2	1
96	Changes of the Light-Hole Exciton Line in CdMnTe/CdMgTe Quantum Wells Under Resonant Excitation of the Heavy-Hole Exciton. Journal of the Korean Physical Society, 2008, 53, 2981-2985.	0.3	1
97	Anisotropy dependent magnetization relaxation in (Cd,Mn)Te quantum wells. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 4094-4097.	0.8	0
98	Optical probing of spin-dependent interactions in IIâ€“VI semiconductor structures. Physica Status Solidi (B): Basic Research, 2006, 243, 906-913.	0.7	0
99	Effects of magnetic ions on optical properties: the case of (Ga, Fe)N. Journal of Physics Condensed Matter, 2008, 20, 454222.	0.7	0
100	Optical Properties of CdTe QDs in Proximity to a Surface. Acta Physica Polonica A, 2013, 124, 795-797.	0.2	0
101	Readout of a dopant spin in the anisotropic quantum dot with a single magnetic ion. Journal of Physics Condensed Matter, 2019, 31, 455301.	0.7	0
102	Distributed Bragg reflector made of CdSe and ZnTe. Superlattices and Microstructures, 2020, 139, 106422.	1.4	0
103	Enhanced Exciton Binding Energy, Zeeman Splitting and Spin Polarization in Hybrid Layered Nanosheets Comprised of (Cd, Mn)Se and Nitrogen-Doped Graphene Oxide: Implication for Semiconductor Devices. Nanotechnology, 2021, 32, .	1.3	0
104	Time-Resolved Studies of Excitonic Dynamics in a Wide II-VI Quantum Well by a Femtosecond Pump-Probe Reflectivity. Acta Physica Polonica A, 2006, 110, 395-401.	0.2	0
105	Optical properties of p-type ZnO and ZnMnO doped by N and/or As acceptors. AIP Conference Proceedings, 2007, , .	0.3	0
106	Quantitative study of the Giant Zeeman Effect in (Zn,Co)O and (Ga,Mn)N. AIP Conference Proceedings, 2007, , .	0.3	0
107	Deep Levels Induced by CdTe/ZnTe Quantum Dots. Acta Physica Polonica A, 2011, 119, 630-632.	0.2	0