

# Tomasz Kazimierczuk

## List of Publications by Year in descending order

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94  
papers

1,761  
citations

331259

21  
h-index

288905

40  
g-index

95  
all docs

95  
docs citations

95  
times ranked

1672  
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of dielectric environment on the brightening of neutral and charged dark excitons in WSe <sub>2</sub> monolayer. Applied Physics Letters, 2022, 120, .	1.5	5
2	Quantification of Exciton Fine Structure Splitting in a Two-Dimensional Perovskite Compound. Journal of Physical Chemistry Letters, 2022, 13, 4463-4469.	2.1	20
3	Excitonic Complexes in n-Doped WS <sub>2</sub> Monolayer. Nano Letters, 2021, 21, 2519-2525.	4.5	35
4	Polariton lasing and energy-degenerate parametric scattering in non-resonantly driven coupled planar microcavities. Nanophotonics, 2021, 10, 2421-2429.	2.9	5
5	Local field effects in ultrafast light-matter interaction measured by pump-probe spectroscopy of monolayer MoSe <sub>2</sub> . Nanophotonics, 2021, 10, 2717-2728.	2.9	9
6	The optical response of artificially twisted MoS <sub>2</sub> bilayers. Scientific Reports, 2021, 11, 17037.	1.6	10
7	Probing negatively charged and neutral excitons in MoS <sub>2</sub> /hBN and hBN/MoS <sub>2</sub> /hBN van der Waals heterostructures. Nanotechnology, 2021, 32, 145717.	1.3	17
8	Valley pseudospin relaxation of charged excitons in monolayer MoTe <sub>2</sub> . Journal of Physics Condensed Matter, 2021, 33, 025701.	0.7	1
9	Ultraslow Spin Relaxation Dynamics in Colloidal Copper-Doped CdSe Quantum Dots. Journal of Physical Chemistry C, 2020, 124, 1042-1052.	1.5	4
10	Optical signatures of type II band alignment transition in Cd(Se,Te)/ZnTe self-assembled quantum dots. Applied Physics Letters, 2020, 117, .	1.5	7
11	Neutral and charged dark excitons in monolayer WS <sub>2</sub> . Nanoscale, 2020, 12, 18153-18159.	2.8	22
12	Long-distance coupling and energy transfer between exciton states in magnetically controlled microcavities. Communications Materials, 2020, 1, .	2.9	11
13	Carrier relaxation to quantum emitters in few-layer WS <sub>2</sub> . Physical Review B, 2020, 102, .		
14	Spin glass behavior and colossal negative magnetoresistance of the Zn <sub>1-x</sub> Mn <sub>x</sub> Te strongly doped with phosphorus. Physical Review B, 2020, 101, .	1.1	2
15	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
16	Polarization and magneto-optical properties of excitonic emission from wurtzite CdTe/(Cd,Mg)Te core/shell nanowires. Nanotechnology, 2020, 31, 215710.	1.3	4
17	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
18	Influence of copper dopants on the photoluminescence of single CdTe quantum dots. Journal of Applied Physics, 2020, 127, 024306.	1.1	0

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19	Ultra-long-working-distance spectroscopy of single nanostructures with aspherical solid immersion microlenses. <i>Light: Science and Applications</i> , 2020, 9, 48.	7.7	28
20	Time-resolved magneto-Raman study of carrier dynamics in low Landau levels of graphene. <i>Physical Review B</i> , 2019, 100, .	1.1	4
21	Readout of a dopant spin in the anisotropic quantum dot with a single magnetic ion. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 455301.	0.7	0
22	Copper Doping of Low-Dimensional Se-Based Semiconductor Structures Grown by Molecular Beam Epitaxy. <i>Journal of Physical Chemistry C</i> , 2019, 123, 19938-19944.	1.5	0
23	Nuclear spin dynamics influenced and detected by electron spin polarization in CdTe/(Cd,Mg)Te quantum wells. <i>Physical Review B</i> , 2019, 99, .	1.1	1
24	Probing and Manipulating Valley Coherence of Dark Excitons in Monolayer $WS_2$ . <i>Physical Review Letters</i> , 2019, 123, 096803.	2.9	49
25	Triple threshold lasing from a photonic trap in a Te/Se-based optical microcavity. <i>Communications Physics</i> , 2019, 2, .	2.0	9
26	Magnetic field induced mixing of light hole excitonic states in (Cd, Mn)Te/(Cd, Mg)Te core/shell nanowires. <i>Nanotechnology</i> , 2018, 29, 205205.	1.3	6
27	Magnetic field induced polarization enhancement in monolayers of tungsten dichalcogenides: effects of temperature. <i>2D Materials</i> , 2018, 5, 015023.	2.0	8
28	Fine structure of an exciton coupled to a single Fe <sup>2+</sup> ion in a CdSe/ZnSe quantum dot. <i>Physical Review B</i> , 2017, 96, .	1.1	6
29	Single-Mode-Fiber-Based Mach-Zehnder Interferometer Setup for Correlation Measurements for Single CdTe/ZnTe Quantum Dots. <i>Acta Physica Polonica A</i> , 2017, 132, 379-382.	0.2	0
30	Comparison of magneto-optical properties of various excitonic complexes in CdTe and CdSe self-assembled quantum dots. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 265302.	0.7	8
31	Dynamics of nuclear spin polarization induced and detected by coherently precessing electron spins in fluorine-doped ZnSe. <i>Physical Review B</i> , 2016, 93, .	1.1	11
32	Fine structure of a resonantly excited p-shell exciton in a CdTe quantum dot. <i>Physical Review B</i> , 2016, 93, .	1.1	6
33	Anisotropy of in-plane hole $g$ factor in CdTe/ZnTe quantum dots. <i>Physical Review B</i> , 2016, 93, .	1.1	4
34	Tuning Valley Polarization in a $WS_2$ with a Tiny Magnetic Field. <i>Physical Review X</i> , 2016, 6, .	2.8	58
35	Magnetic ground state of an individual Fe <sup>2+</sup> ion in strained semiconductor nanostructure. <i>Nature Communications</i> , 2016, 7, 10484.	5.8	53
36	Mechanism and dynamics of biexciton formation from a long-lived dark exciton in a CdTe quantum dot. <i>Physical Review B</i> , 2015, 91, .	1.1	19

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37	Optical study of a doubly negatively charged exciton in a CdTe/ZnTe quantum dot containing a single Mn <sup>2+</sup> ion. <i>Physical Review B</i> , 2015, 92, .	1.1	5
38	Inhomogeneous nuclear spin polarization induced by helicity-modulated optical excitation of fluorine-bound electron spins in ZnSe. <i>Physical Review B</i> , 2015, 92, .	1.1	10
39	Photon-Statistics Excitation Spectroscopy of a Quantum-Dot Micropillar Laser. <i>Physical Review Letters</i> , 2015, 115, 027401.	2.9	18
40	Observation of High Angular Momentum Excitons in Cuprous Oxide. <i>Physical Review Letters</i> , 2015, 115, 027402.	2.9	79
41	Strong coupling and polariton lasing in Te based microcavities embedding (Cd,Zn)Te quantum wells. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	19
42	Excitonic complexes in natural InAs/GaAs quantum dots. <i>Physical Review B</i> , 2015, 91, .	1.1	30
43	Influence of interactions with non-condensed particles on the coherence of a 1D polariton condensate. , 2014, , .		0
44	Introducing single Mn <sup>2+</sup> ions into spontaneously coupled quantum dot pairs. <i>Physical Review B</i> , 2014, 89, .	1.1	9
45	Excitation of complex spin dynamics patterns in a quantum-dot electron spin ensemble. <i>Physical Review B</i> , 2014, 90, .	1.1	4
46	Influence of interactions with noncondensed particles on the coherence of a one-dimensional polariton condensate. <i>Physical Review B</i> , 2014, 89, .	1.1	21
47	Coherent Precession of an Individual $5/2$ Spin. <i>Physical Review Letters</i> , 2014, 113, 227202.	2.9	31
48	Micropillar Cavity Containing a CdTe Quantum Dot with a Single Manganese Ion. <i>Crystal Growth and Design</i> , 2014, 14, 988-992.	1.4	23
49	Giant Rydberg excitons in the copper oxide Cu <sub>2</sub> O. <i>Nature</i> , 2014, 514, 343-347.	13.7	273
50	Influence of exciton spin relaxation on the photoluminescence spectra of semimagnetic quantum dots. <i>Physical Review B</i> , 2013, 87, .	1.1	13
51	Properties of Excitons in Quantum Dots with a Weak Confinement. <i>Acta Physica Polonica A</i> , 2013, 124, 781-784.	0.2	2
52	Optical study of electron-electron exchange interaction in CdTe/ZnTe quantum dots. <i>Physical Review B</i> , 2013, 87, .	1.1	15
53	Photon correlation studies of charge variation in a single GaAs quantum dot. <i>Physical Review B</i> , 2013, 87, .	1.1	20
54	In-plane radiative recombination channel of a dark exciton in self-assembled quantum dots. <i>Physical Review B</i> , 2012, 86, .	1.1	42

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55	Quantum Interference in Exciton-Mn Spin Interactions in a CdTe Semiconductor Quantum Dot. Physical Review Letters, 2011, 107, 207403.	2.9	28
56	Magnetophotoluminescence study of intershell exchange interaction in CdTe/ZnTe quantum dots. Physical Review B, 2011, 84, .	1.1	36
57	Single-photon emission from the natural quantum dots in the InAs/GaAs wetting layer. Physical Review B, 2011, 84.	1.1	7
58	Magnetic polaron formation and exciton spin relaxation in single Cd $\times$ quantum dots. Physical Review B, 2011, 84.	1.1	4
59	Growth and optical properties of CdTe quantum dots in ZnTe nanowires. Applied Physics Letters, 2011, 99, 113109.	1.5	14
60	Influence of Configuration Mixing on Energies and Recombination Dynamics of Excitonic States in CdTe/ZnTe Quantum Dots. Acta Physica Polonica A, 2011, 119, 615-617.	0.2	7
61	Magnetoluminescence of a CdTe Quantum Dot with a Single Manganese Ion in Voigt Configuration. Acta Physica Polonica A, 2011, 119, 618-620.	0.2	1
62	Optical Properties of CdTe QDs Formed Using Zn Induced Reorganization. Acta Physica Polonica A, 2011, 119, 627-629.	0.2	10
63	Signatures of p-Shell Electron g-Factor in s-Shell Emission of CdTe/ZnTe Quantum Dots. Acta Physica Polonica A, 2011, 120, 874-876.	0.2	3
64	Statistical Study of the Inter-Dot Excitation Transfer in CdTe/ZnTe Quantum Dots. Acta Physica Polonica A, 2011, 120, 880-882.	0.2	2
65	Excitation Mechanisms of CdTe/ZnTe Quantum Dots under Non-Resonant and Quasi-Resonant Regime. Acta Physica Polonica A, 2011, 119, 588-591.	0.2	0
66	Optical manipulation of a single Mn spin in a CdTe quantum dot. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 2690-2693.	1.3	13
67	Clustering in a self-assembled CdTe/ZnTe quantum dot plane revealed by inter-dot coupling. Physica Status Solidi (B): Basic Research, 2010, 247, 1409-1412.	0.7	5
68	Spin Dynamics of a Single Mn Ion in a CdTe*(Cd, Mg, Zn)Te Quantum Dot. , 2010, , .		1
69	Excitation Dynamics of CdTe*ZnTe Quantum Dots Studied in Picosecond Timescale. , 2010, , .		0
70	Spin conserving inter-dot excitation transfer in a self-assembled system. , 2010, , .		0
71	Picosecond charge variation of quantum dots under pulsed excitation. Physical Review B, 2010, 81, .	1.1	34
72	Dynamics of charge leakage from self-assembled CdTe quantum dots. Applied Physics Letters, 2010, 96, 201905.	1.5	3

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73	Brightening of dark excitons in a single CdTe quantum dot containing a single $Mn^{2+}$ ion. Physical Review B, 2010, 82, .	1.1	48
74	Optically induced energy and spin transfer in nonresonantly coupled pairs of self-assembled CdTe/ZnTe quantum dots. Physical Review B, 2009, 79, .	1.1	58
75	Slowing hot-carrier relaxation in graphene using a magnetic field. Physical Review B, 2009, 80, .	1.1	94
76	Optical Manipulation of a Single Mn Spin in a CdTe-Based Quantum Dot. Physical Review Letters, 2009, 103, 087401.	2.9	153
77	Picosecond scale dynamics of excitons in CdTe-based quantum wells and quantum dots. Proceedings of SPIE, 2009, , .	0.8	0
78	Spin-Related Spectroscopy of CdTe-Based Quantum Dots. Acta Physica Polonica A, 2009, 116, 795-799.	0.2	1
79	Anisotropic Exchange Interaction between p-Shell Electron and s-Shell Hole in CdTe/ZnTe Quantum Dots. Acta Physica Polonica A, 2009, 116, 882-884.	0.2	12
80	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
81	Control of Local Electric Fields Influencing the Photoluminescence of an Individual CdTe/ZnTe Quantum Dot. Acta Physica Polonica A, 2009, 116, 896-898.	0.2	1
82	Numerical Rate Equation Approach to Picosecond Charge State Dynamics in CdTe/ZnTe Quantum Dots. Acta Physica Polonica A, 2009, 116, 893-895.	0.2	0
83	Spin in CdTe/ZnTe Quantum Dot: Its Potential for Information Storage. Acta Physica Polonica A, 2009, 116, S-13-S-18.	0.2	2
84	Single-spin optical read-out in CdTe/ZnTe quantum dot studied by photon correlation spectroscopy. Physical Review B, 2008, 77, .	1.1	11
85	Inter-Dot Coupling in a Self-Assembled CdTe/ZnTe System. Journal of the Korean Physical Society, 2008, 53, 154-157.	0.3	5
86	Spin and symmetry in optical studies of individual semiconductor quantum dots. , 2008, , .		0
87	Single-Photon Emission from a Highly Excited CdTe Quantum Dot. Acta Physica Polonica A, 2008, 114, 1273-1278.	0.2	0
88	Polarization Dependent Correlations of Single Photons from CdTe/ZnTe Quantum Dots. AIP Conference Proceedings, 2007, , .	0.3	0
89	Spin-dependent dynamics of individual CdTe/ZnTe quantum dot states studied by correlation spectroscopy. , 2007, , .		0
90	Semiconductor heterostructures for spintronics and quantum information. Comptes Rendus Physique, 2007, 8, 243-252.	0.3	5

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91	Inter-Dot Coupling in a Self-Assembled Quantum Dot System. Acta Physica Polonica A, 2007, 112, 321-324.	0.2	4
92	Control of Photon Polarization in GaAs/AlAs Single Quantum Dot Emission. Acta Physica Polonica A, 2007, 112, 461-466.	0.2	4
93	Single photon correlation measurements in a study of excitation process of individual CdTe/ZnTe quantum dots. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 3802-3805.	0.8	0
94	Excitation mechanisms of individual CdTe/ZnTe quantum dots studied by photon correlation spectroscopy. Physical Review B, 2006, 74, .	1.1	73