Maciej Koperski

List of Publications by Year
in descending order

40 papers	4,036 citations	331670 21 h-index	361022 35 g-index
41 all docs	41 docs citations	41 times ranked	6053 citing authors

#	Article	IF	Citations
1	Magnetic 2D materials and heterostructures. Nature Nanotechnology, 2019, 14, 408-419.	31.5	1,109
2	Single photon emitters in exfoliated WSe2 structures. Nature Nanotechnology, 2015, 10, 503-506.	31.5	677
3	Resonantly hybridized excitons in moirÃ© superlattices in van der Waals heterostructures. Nature, 2019, 567, 81-86.	27.8	621
4	Excitonic resonances in thin films of WSe₂: from monolayer to bulk material. Nanoscale, 2015, 7, 10421-10429.	5.6	275
5	Optical properties of atomically thin transition metal dichalcogenides: observations and puzzles. Nanophotonics, 2017, 6, 1289-1308.	6.0	165
6	Exciton band structure in layered MoSe₂: from a monolayer to the bulk limit. Nanoscale, 2015, 7, 20769-20775.	5.6	163
7	The Magnetic Genome of Two-Dimensional van der Waals Materials. ACS Nano, 2022, 16, 6960-7079.	14.6	149
8	Radiatively Limited Dephasing and Exciton Dynamics in MoSe₂ Monolayers Revealed with Four-Wave Mixing Microscopy. Nano Letters, 2016, 16, 5333-5339.	9.1	133
9	Designing quantum dots for solotronics. Nature Communications, 2014, 5, 3191.	12.8	119
10	Strained Bubbles in van der Waals Heterostructures as Local Emitters of Photoluminescence with Adjustable Wavelength. ACS Photonics, 2019, 6, 516-524.	6.6	110
11	Orbital, spin and valley contributions to Zeeman splitting of excitonic resonances in MoSe ₂ , WSe ₂ and WS ₂ Monolayers. 2D Materials, 2019, 6, 015001.	4.4	85
12	Indirect to Direct Gap Crossover in Two-Dimensional InSe Revealed by Angle-Resolved Photoemission Spectroscopy. ACS Nano, 2019, 13, 2136-2142.	14.6	63
13	Tuning Valley Polarization in a<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> with a Tiny Magnetic Field. Physical Review X, 2016, 6, .	8.9	58
14	Picosecond charge variation of quantum dots under pulsed excitation. Physical Review B, 2010, 81, .	3.2	34
15	Single photon emitters in boron nitride: More than a supplementary material. Optics Communications, 2018, 411, 158-165.	2.1	34
16	Ultra-thin van der Waals crystals as semiconductor quantum wells. Nature Communications, 2020, 11, 125.	12.8	33
17	Coherent Precession of an Individual5/2Spin. Physical Review Letters, 2014, 113, 227202.	7.8	31
18	Midgap radiative centers in carbon-enriched hexagonal boron nitride. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13214-13219.	7.1	29

#	Article	IF	Citations
19	Fine structure of K-excitons in multilayers of transition metal dichalcogenides. 2D Materials, 2019, 6, 025026.	4.4	28
20	Fine structure of a biexciton in a single quantum dot with a magnetic impurity. Physical Review B, 2013, 87, .	3.2	24
21	Zeeman spectroscopy of excitons and hybridization of electronic states in few-layer WSe ₂ , MoSe ₂ and MoTe ₂. 2D Materials, 2019, 6, 015010.	4.4	22
22	Degradation Chemistry and Kinetic Stabilization of Magnetic CrI₃. Journal of the American Chemical Society, 2022, 144, 5295-5303.	13.7	13
23	Electrically Controlled Thermal Radiation from Reduced Graphene Oxide Membranes. ACS Applied Materials & Interfaces, 2021, 13, 27278-27283.	8.0	12
24	Spin-lattice relaxation of an individual<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow><mml:mi>Mn</mml:mi></mml:mrow><mml:mrow><m in a CdTe/ZnTe quantum dot. Physical Review B, 2015, 92, .	3.2	11
25	Introducing singleMn2+ions into spontaneously coupled quantum dot pairs. Physical Review B, 2014, 89, .	3.2	9
26	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><m embedded in a CdTe/ZnTe quantum dot. Physical Review B, 2018, 97, .	3.2	7
27	Towards practical applications of quantum emitters in boron nitride. Scientific Reports, 2021, 11, 15506.	3.3	6
28	Optical study of a doubly negatively charged exciton in a CdTe/ZnTe quantum dot containing a singleMn2+ion. Physical Review B, 2015, 92, .	3.2	5
29	The Novel Multichannel Single Photon Correlations Technique Applied for the Spin Dynamics Study of a Few Mn^{2+} Ions in a CdTe/ZnTe Quantum Dot. Acta Physica Polonica A, 2013, 124, 791-794.	0.5	2
30	Resonant Excitation of CdTe/ZnTe Quantum Dot Pairs as a Tool for Spectroscopic Study of the Excitonic p-States. Acta Physica Polonica A, 2013, 124, 788-790.	0.5	2
31	Properties of Excitons in Quantum Dots with a Weak Confinement. Acta Physica Polonica A, 2013, 124, 781-784.	0.5	2
32	Statistical Study of the Inter-Dot Excitation Transfer in CdTe/ZnTe Quantum Dots. Acta Physica Polonica A, 2011, 120, 880-882.	0.5	2
33	Spin-Related Spectroscopy of CdTe-Based Quantum Dots. Acta Physica Polonica A, 2009, 116, 795-799.	0.5	1
34	Magnetoluminescence of a CdTe Quantum Dot with a Single Manganese Ion in Voigt Configuration. Acta Physica Polonica A, 2011, 119, 618-620.	0.5	1
35	Excitation Dynamics of CdTeâˆ•ZnTe Quantum Dots Studied in Picosecond Timescale. , 2010, , .		0
36	Measurement of the mass of an object hanging from a springâ€"revisited. European Journal of Physics, 2012, 33, 129-134.	0.6	0

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37	Compensation of the exciton-ion exchange interaction in a quantum dot by application of a magnetic field. Europhysics Letters, 2014, 107, 37003.	2.0	0
38	Magnetic-field-induced abrupt spin-state transition in a quantum dot containing magnetic ions. Physical Review B, 2016, 94, .	3.2	0
39	Numerical Rate Equation Approach to Picosecond Charge State Dynamics in CdTe/ZnTe Quantum Dots. Acta Physica Polonica A, 2009, 116, 893-895.	0.5	0
40	Excitation Mechanisms of CdTe/ZnTe Quantum Dots under Non-Resonant and Quasi-Resonant Regime. Acta Physica Polonica A, 2011, 119, 588-591.	0.5	0