Maciej Koperski

List of Publications by Year
in descending order

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Version: 2024-02-01

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	Degradation Chemistry and Kinetic Stabilization of Magnetic CrI₃. Journal of the American Chemical Society, 2022, 144, 5295-5303.	13.7	13
2	The Magnetic Genome of Two-Dimensional van der Waals Materials. ACS Nano, 2022, 16, 6960-7079.	14.6	149
3	Electrically Controlled Thermal Radiation from Reduced Graphene Oxide Membranes. ACS Applied Materials & Interfaces, 2021, 13, 27278-27283.	8.0	12
4	Towards practical applications of quantum emitters in boron nitride. Scientific Reports, 2021, 11, 15506.	3.3	6
5	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
6	Ultra-thin van der Waals crystals as semiconductor quantum wells. Nature Communications, 2020, 11, 125.	12.8	33
7	Strained Bubbles in van der Waals Heterostructures as Local Emitters of Photoluminescence with Adjustable Wavelength. ACS Photonics, 2019, 6, 516-524.	6.6	110
8	Indirect to Direct Gap Crossover in Two-Dimensional InSe Revealed by Angle-Resolved Photoemission Spectroscopy. ACS Nano, 2019, 13, 2136-2142.	14.6	63
9	Magnetic 2D materials and heterostructures. Nature Nanotechnology, 2019, 14, 408-419.	31.5	1,109
10	Resonantly hybridized excitons in moirÃ© superlattices in van der Waals heterostructures. Nature, 2019, 567, 81-86.	27.8	621
11	Fine structure of K-excitons in multilayers of transition metal dichalcogenides. 2D Materials, 2019, 6, 025026.	4.4	28
12	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
13	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
14	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
15	Single photon emitters in boron nitride: More than a supplementary material. Optics Communications, 2018, 411, 158-165.	2.1	34
16	Optical properties of atomically thin transition metal dichalcogenides: observations and puzzles. Nanophotonics, 2017, 6, 1289-1308.	6.0	165
17	Magnetic-field-induced abrupt spin-state transition in a quantum dot containing magnetic ions. Physical Review B, 2016, 94, .	3.2	0
18	Radiatively Limited Dephasing and Exciton Dynamics in MoSe₂ Monolayers Revealed with Four-Wave Mixing Microscopy. Nano Letters, 2016, 16, 5333-5339.	9.1	133

#	Article	IF	Citations
19	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
20	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
21	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
22	Excitonic resonances in thin films of WSe₂: from monolayer to bulk material. Nanoscale, 2015, 7, 10421-10429.	5.6	275
23	Single photon emitters in exfoliated WSe2 structures. Nature Nanotechnology, 2015, 10, 503-506.	31.5	677
24	Exciton band structure in layered MoSe₂: from a monolayer to the bulk limit. Nanoscale, 2015, 7, 20769-20775.	5.6	163
25	Introducing singleMn2+ions into spontaneously coupled quantum dot pairs. Physical Review B, 2014, 89, .	3.2	9
26	Coherent Precession of an Individual5/2Spin. Physical Review Letters, 2014, 113, 227202.	7.8	31
27	Designing quantum dots for solotronics. Nature Communications, 2014, 5, 3191.	12.8	119
28	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
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	Fine structure of a biexciton in a single quantum dot with a magnetic impurity. Physical Review B, 2013, 87, .	3.2	24
33	Measurement of the mass of an object hanging from a springâ€"revisited. European Journal of Physics, 2012, 33, 129-134.	0.6	0
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	Statistical Study of the Inter-Dot Excitation Transfer in CdTe/ZnTe Quantum Dots. Acta Physica Polonica A, 2011, 120, 880-882.	0.5	2
36	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

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37	Excitation Dynamics of CdTeâˆ•ZnTe Quantum Dots Studied in Picosecond Timescale. , 2010, , .		0
38	Picosecond charge variation of quantum dots under pulsed excitation. Physical Review B, 2010, 81, .	3.2	34
39	Spin-Related Spectroscopy of CdTe-Based Quantum Dots. Acta Physica Polonica A, 2009, 116, 795-799.	0.5	1
40	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