

Maciej Dendzik

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,799
citations

331670

21
h-index

361022

35
g-index

36
all docs

36
docs citations

36
times ranked

3052
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct observation of spin-polarized bulk bands in an inversion-symmetric semiconductor. Nature Physics, 2014, 10, 835-839.	16.7	271
2	Van der Waals Epitaxy of Two-Dimensional MoS ₂ “Graphene Heterostructures in Ultrahigh Vacuum. ACS Nano, 2015, 9, 6502-6510.	14.6	153
3	Electronic Structure of Epitaxial Single-Layer MoS_2 Physical Review Letters, 2015, 114, 046802.	7.8	140
4	Single-layer MoS_2 on Au(111): Band gap renormalization and substrate interaction. Physical Review B, 2016, 93, .	7.8	140
5	Synthesis of Epitaxial Single-Layer MoS_2 on Au(111). Langmuir, 2015, 31, 9700-9706.	3.5	119
6	Ultrafast Band Structure Control of a Two-Dimensional Heterostructure. ACS Nano, 2016, 10, 6315-6322.	14.6	90
7	Crystalline and electronic structure of single-layer TaS_2 Physical Review B, 2016, 94, .	3.2	70
8	Time- and momentum-resolved photoemission studies using time-of-flight momentum microscopy at a free-electron laser. Review of Scientific Instruments, 2020, 91, 013109.	1.3	72
9	Growth and electronic structure of epitaxial single-layer WS_2 on Au(111). Physical Review B, 2015, 92, .	3.2	70
10	Epitaxial growth of single-orientation high-quality MoS_2 monolayers. 2D Materials, 2018, 5, 035012.	4.4	65
11	Symmetry-Driven Band Gap Engineering in Hydrogen Functionalized Graphene. ACS Nano, 2016, 10, 10798-10807.	14.6	55
12	Direct measurement of key exciton properties: Energy, dynamics, and spatial distribution of the wave function. Natural Sciences, 2021, 1, e10010.	2.1	52
13	Revealing Hidden Orbital Pseudospin Texture with Time-Reversal Dichroism in Photoelectron Angular Distributions. Physical Review Letters, 2020, 125, 216404.	7.8	50
14	Novel single-layer vanadium sulphide phases. 2D Materials, 2018, 5, 045009.	4.4	48
15	Spin and valley control of free carriers in single-layer WS_2 Physical Review B, 2017, 95, .	3.2	43
16	Ultrafast dynamical Lifshitz transition. Science Advances, 2021, 7, .	10.3	38
17	A quantitative comparison of time-of-flight momentum microscopes and hemispherical analyzers for time- and angle-resolved photoemission spectroscopy experiments. Review of Scientific Instruments, 2020, 91, 123112.	1.3	36
18	Observation of an Excitonic Mott Transition Through Ultrafast Core- <i>cum</i> -Conduction Photoemission Spectroscopy. Physical Review Letters, 2020, 125, 096401.	7.8	35

#	ARTICLE	IF	CITATIONS
19	Substrate-induced semiconductor-to-metal transition in monolayer WS_2 . Physical Review B, 2017, 96, .	3.2	33
20	Spin Structure of K Valleys in Single-Layer WS_2 on Au(111). Physical Review Letters, 2018, 121, 136402.	7.8	28
21	Facile electrochemical transfer of large-area single crystal epitaxial graphene from Ir(111). Journal Physics D: Applied Physics, 2015, 48, 115306.	2.8	23
22	Spin-dependent electron-phonon coupling in the valence band of single-layer WS_2 . Physical Review B, 2017, 96, .	3.2	22
23	Three Dirac points on the (110) surface of the topological insulator Bi_2Sb . New Journal of Physics, 2013, 15, 103011.	2.9	20
24	Absence of superconductivity in ultrathin layers of FeSe synthesized on a topological insulator. Physical Review B, 2016, 94, .	3.2	20
25	Odd-Even Effect in the Polymorphism of Self-Assembled Monolayers of Biphenyl-Substituted Alkaneselenolates on Au(111). Journal of Physical Chemistry C, 2012, 116, 19535-19542.	3.1	19
26	Growth and structure of singly oriented single-layer tungsten disulfide on Au(111). Physical Review Materials, 2019, 3, .	2.4	18
27	Strongly anisotropic spin-orbit splitting in a two-dimensional electron gas. Physical Review B, 2015, 91, .	3.2	17
28	An open-source, end-to-end workflow for multidimensional photoemission spectroscopy. Scientific Data, 2020, 7, 442.	5.3	14
29	Spectroscopic view of ultrafast charge carrier dynamics in single- and bilayer transition metal dichalcogenide semiconductors. Journal of Electron Spectroscopy and Related Phenomena, 2021, 250, 147093.	1.7	9
30	A narrow bandwidth extreme ultra-violet light source for time- and angle-resolved photoemission spectroscopy. Structural Dynamics, 2022, 9, 024304.	2.3	9
31	Ultrafast Momentum-Resolved Hot Electron Dynamics in the Two-Dimensional Topological Insulator Bismuthene. Nano Letters, 2022, 22, 5420-5426.	9.1	9
32	Thermal annealing effect on physical properties of DNA-CTMA thin films. Optical Materials, 2013, 36, 36-41.	3.6	6
33	Quasi-free-standing single-layer WS_2 achieved by intercalation. Physical Review Materials, 2018, 2, .	2.4	6
34	A single-molecule stretching method for lateral and normal AFM lever calibration. Nanotechnology, 2013, 24, 365703.	2.6	5
35	Reconstruction-induced trefoil knot Fermi contour of Au(111). Physical Review B, 2016, 94, .	3.2	4