

Mark Blei

List of Publications by Year in descending order

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35
papers

2,015
citations

361413

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36
docs citations

36
times ranked

2113
citing authors

#	ARTICLE	IF	CITATIONS
1	Mott and generalized Wigner crystal states in WSe ₂ /WS ₂ moiré superlattices. Nature, 2020, 579, 359-363.	27.8	536
2	Perpendicular Optical Reversal of the Linear Dichroism and Polarized Photodetection in 2D GeAs. ACS Nano, 2018, 12, 12416-12423.	14.6	157
3	The Magnetic Genome of Two-Dimensional van der Waals Materials. ACS Nano, 2022, 16, 6960-7079.	14.6	149
4	Imaging two-dimensional generalized Wigner crystals. Nature, 2021, 597, 650-654.	27.8	147
5	Imaging moiré flat bands in three-dimensional reconstructed WSe ₂ /WS ₂ superlattices. Nature Materials, 2021, 20, 945-950.	27.5	118
6	Emerging photoluminescence from the dark-exciton phonon replica in monolayer WSe ₂ . Nature Communications, 2019, 10, 2469.	12.8	102
7	Giant Valley-Zeeman Splitting from Spin-Singlet and Spin-Triplet Interlayer Excitons in WSe ₂ /MoSe ₂ Heterostructure. Nano Letters, 2020, 20, 694-700.	9.1	70
8	Angle resolved vibrational properties of anisotropic transition metal trichalcogenide nanosheets. Nanoscale, 2017, 9, 4175-4182.	5.6	64
9	Momentum-Dark Intervalley Exciton in Monolayer Tungsten Diselenide Brightened via Chiral Phonon. ACS Nano, 2019, 13, 14107-14113.	14.6	63
10	Strong interaction between interlayer excitons and correlated electrons in WSe ₂ /WS ₂ moiré superlattice. Nature Communications, 2021, 12, 3608.	12.8	63
11	Direct Observation of Gate-Tunable Dark Trions in Monolayer WSe ₂ . Nano Letters, 2019, 19, 6886-6893.	9.1	60
12	Tunable free-electron X-ray radiation from van der Waals materials. Nature Photonics, 2020, 14, 686-692.	31.4	48
13	Highly Polarized Photoelectrical Response in vdW ZrS ₃ Nanoribbons. Advanced Electronic Materials, 2019, 5, 1900419.	5.1	45
14	Synthesis, engineering, and theory of 2D van der Waals magnets. Applied Physics Reviews, 2021, 8, .	11.3	41
15	Reaching the Excitonic Limit in 2D Janus Monolayers by In Situ Deterministic Growth. Advanced Materials, 2022, 34, e2106222.	21.0	39
16	Nanoscale Conductivity Imaging of Correlated Electronic States in WSe_2/WS_2 Moiré Superlattices. Physical Review Letters, 2020, 125, 186803.	7.8	36
17	Imaging local discharge cascades for correlated electrons in WS ₂ /WSe ₂ moiré superlattices. Nature Physics, 2021, 17, 1114-1119.	16.7	36
18	Epitaxial Synthesis of Highly Oriented 2D Janus Rashba Semiconductor BiTeCl and BiTeBr Layers. ACS Nano, 2020, 14, 15626-15632.	14.6	34

#	ARTICLE	IF	CITATIONS
19	Confinement of long-lived interlayer excitons in WS ₂ /WSe ₂ heterostructures. Communications Physics, 2021, 4, .	5.3	26
20	Visualizing electron localization of WS ₂ /WSe ₂ moiré superlattices in momentum space. Science Advances, 2021, 7, eabf4387.	10.3	24
21	Abnormal band bowing effects in phase instability crossover region of GaSe _{1-x} Te _x nanomaterials. Nature Communications, 2018, 9, 1927.	12.8	20
22	The synthesis of competing phase GeSe and GeSe ₂ 2D layered materials. RSC Advances, 2020, 10, 38227-38232.	3.6	17
23	Giant Valley-Polarized Rydberg Excitons in Monolayer WSe ₂ Revealed by Magneto-photocurrent Spectroscopy. Nano Letters, 2020, 20, 7635-7641.	9.1	16
24	Phase Transition across Anisotropic NbS ₃ and Direct Gap Semiconductor TiS ₃ at Nominal Titanium Alloying Limit. Advanced Materials, 2020, 32, 2000018.	21.0	16
25	Advances in Rare-Earth Tricelluride Quantum Materials: Structure, Properties, and Synthesis. Advanced Science, 2021, 8, e2004762.	11.2	16
26	Phonon-exciton Interactions in WSe ₂ under a quantizing magnetic field. Nature Communications, 2020, 11, 3104.	12.8	15
27	Dynamic Tuning of Moiré Excitons in a WSe ₂ /WS ₂ Heterostructure via Mechanical Deformation. Nano Letters, 2021, 21, 8910-8916.	9.1	15
28	Magnetic-field-induced splitting and polarization of monolayer-based valley exciton polaritons. Physical Review B, 2019, 100, .	3.2	12
29	Anisotropic band structure of TiS ₃ nanoribbon revealed by polarized photocurrent spectroscopy. Applied Physics Letters, 2020, 117, .	3.3	8
30	Low-temperature synthesis of 2D anisotropic MoTe ₂ using a high-pressure soft sputtering technique. Nanoscale Advances, 2020, 2, 1443-1448.	4.6	5
31	Probing Defects in MoS ₂ Van der Waals Crystal through Deep-Level Transient Spectroscopy. Physica Status Solidi - Rapid Research Letters, 2020, 14, 2000381.	2.4	3
32	Mitigation of Edge and Surface States Effects in Two-Dimensional WS ₂ for Photocatalytic H ₂ Generation. ChemSusChem, 2022, 15, .	6.8	3
33	Monolayer Excitonic Semiconductors Integrated with Au Quasi-Periodic Nanoterrace Morphology on Fused Silica Substrates for Light-Emitting Devices. ACS Applied Nano Materials, 2021, 4, 84-93.	5.0	2
34	Giant Effects of Interlayer Interaction on Valence-Band Splitting in Transition Metal Dichalcogenides. Journal of Physical Chemistry C, 2022, 126, 8667-8675.	3.1	2
35	Reaching the Excitonic Limit in 2D Janus Monolayers by In Situ Deterministic Growth (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT_Overlo	21.0	0