

# Mark Blei

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9618621/publications.pdf>

Version: 2024-02-01

35  
papers

2,015  
citations

361413

20  
h-index

361022

35  
g-index

36  
all docs

36  
docs citations

36  
times ranked

2113  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reaching the Excitonic Limit in 2D Janus Monolayers by In Situ Deterministic Growth. <i>Advanced Materials</i> , 2022, 34, e2106222.	21.0	39
2	Reaching the Excitonic Limit in 2D Janus Monolayers by In Situ Deterministic Growth ( <i>Adv. Mater.</i> ) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	21.0	0
3	Mitigation of Edge and Surface States Effects in Two-Dimensional WS <sub>2</sub> for Photocatalytic H <sub>2</sub> Generation. <i>ChemSusChem</i> , 2022, 15, .	6.8	3
4	The Magnetic Genome of Two-Dimensional van der Waals Materials. <i>ACS Nano</i> , 2022, 16, 6960-7079.	14.6	149
5	Giant Effects of Interlayer Interaction on Valence-Band Splitting in Transition Metal Dichalcogenides. <i>Journal of Physical Chemistry C</i> , 2022, 126, 8667-8675.	3.1	2
6	Monolayer Excitonic Semiconductors Integrated with Au Quasi-Periodic Nanoterrace Morphology on Fused Silica Substrates for Light-Emitting Devices. <i>ACS Applied Nano Materials</i> , 2021, 4, 84-93.	5.0	2
7	Imaging moiré flat bands in three-dimensional reconstructed WSe <sub>2</sub> /WS <sub>2</sub> superlattices. <i>Nature Materials</i> , 2021, 20, 945-950.	27.5	118
8	Advances in Rare-Earth Tritelluride Quantum Materials: Structure, Properties, and Synthesis. <i>Advanced Science</i> , 2021, 8, e2004762.	11.2	16
9	Synthesis, engineering, and theory of 2D van der Waals magnets. <i>Applied Physics Reviews</i> , 2021, 8, .	11.3	41
10	Strong interaction between interlayer excitons and correlated electrons in WSe <sub>2</sub> /WS <sub>2</sub> moiré superlattice. <i>Nature Communications</i> , 2021, 12, 3608.	12.8	63
11	Confinement of long-lived interlayer excitons in WS <sub>2</sub> /WSe <sub>2</sub> heterostructures. <i>Communications Physics</i> , 2021, 4, .	5.3	26
12	Imaging local discharge cascades for correlated electrons in WS <sub>2</sub> /WSe <sub>2</sub> moiré superlattices. <i>Nature Physics</i> , 2021, 17, 1114-1119.	16.7	36
13	Visualizing electron localization of WS <sub>2</sub> /WSe <sub>2</sub> moiré superlattices in momentum space. <i>Science Advances</i> , 2021, 7, eabf4387.	10.3	24
14	Imaging two-dimensional generalized Wigner crystals. <i>Nature</i> , 2021, 597, 650-654.	27.8	147
15	Dynamic Tuning of Moiré Excitons in a WSe <sub>2</sub> /WS <sub>2</sub> Heterostructure via Mechanical Deformation. <i>Nano Letters</i> , 2021, 21, 8910-8916.	9.1	15
16	Giant Valley-Zeeman Splitting from Spin-Singlet and Spin-Triplet Interlayer Excitons in WSe <sub>2</sub> /MoSe <sub>2</sub> Heterostructure. <i>Nano Letters</i> , 2020, 20, 694-700.	9.1	70
17	Epitaxial Synthesis of Highly Oriented 2D Janus Rashba Semiconductor BiTeCl and BiTeBr Layers. <i>ACS Nano</i> , 2020, 14, 15626-15632.	14.6	34
18	The synthesis of competing phase GeSe and GeSe <sub>2</sub> 2D layered materials. <i>RSC Advances</i> , 2020, 10, 38227-38232.	3.6	17

#	ARTICLE	IF	CITATIONS
19	Nanoscale Conductivity Imaging of Correlated Electronic States in $\text{WSe}_2$ Moiré Superlattices. <i>Physical Review Letters</i> , 2020, 125, 186803.	7.8	36
20	Tunable free-electron X-ray radiation from van der Waals materials. <i>Nature Photonics</i> , 2020, 14, 686-692.	31.4	48
21	Probing Defects in MoS <sub>2</sub> Van der Waals Crystal through Deep-Level Transient Spectroscopy. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020, 14, 2000381.	2.4	3
22	Giant Valley-Polarized Rydberg Excitons in Monolayer $\text{WSe}_2$ Revealed by Magneto-photocurrent Spectroscopy. <i>Nano Letters</i> , 2020, 20, 7635-7641.	9.1	16
23	Anisotropic band structure of TiS <sub>3</sub> nanoribbon revealed by polarized photocurrent spectroscopy. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	8
24	Phonon-exciton Interactions in $\text{WSe}_2$ under a quantizing magnetic field. <i>Nature Communications</i> , 2020, 11, 3104.	12.8	15
25	Low-temperature synthesis of 2D anisotropic MoTe <sub>2</sub> using a high-pressure soft sputtering technique. <i>Nanoscale Advances</i> , 2020, 2, 1443-1448.	4.6	5
26	Mott and generalized Wigner crystal states in $\text{WSe}_2/\text{WS}_2$ moiré superlattices. <i>Nature</i> , 2020, 579, 359-363.	27.8	536
27	Phase Transition across Anisotropic NbS <sub>3</sub> and Direct Gap Semiconductor TiS <sub>3</sub> at Nominal Titanium Alloying Limit. <i>Advanced Materials</i> , 2020, 32, 2000018.	21.0	16
28	Direct Observation of Gate-Tunable Dark Trions in Monolayer $\text{WSe}_2$ . <i>Nano Letters</i> , 2019, 19, 6886-6893.	9.1	60
29	Magnetic-field-induced splitting and polarization of monolayer-based valley exciton polaritons. <i>Physical Review B</i> , 2019, 100, .	3.2	12
30	Emerging photoluminescence from the dark-exciton phonon replica in monolayer $\text{WSe}_2$ . <i>Nature Communications</i> , 2019, 10, 2469.	12.8	102
31	Highly Polarized Photoelectrical Response in vdW ZrS <sub>3</sub> Nanoribbons. <i>Advanced Electronic Materials</i> , 2019, 5, 1900419.	5.1	45
32	Momentum-Dark Intervalley Exciton in Monolayer Tungsten Diselenide Brightened Chiral Phonon. <i>ACS Nano</i> , 2019, 13, 14107-14113.	14.6	63
33	Perpendicular Optical Reversal of the Linear Dichroism and Polarized Photodetection in 2D GeAs. <i>ACS Nano</i> , 2018, 12, 12416-12423.	14.6	157
34	Abnormal band bowing effects in phase instability crossover region of $\text{GaSe}_{1-x}\text{Te}_x$ nanomaterials. <i>Nature Communications</i> , 2018, 9, 1927.	12.8	20
35	Angle resolved vibrational properties of anisotropic transition metal trichalcogenide nanosheets. <i>Nanoscale</i> , 2017, 9, 4175-4182.	5.6	64