

Oliver Hartwig

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

255
citations

1039406

9
h-index

1199166

12
g-index

15
all docs

15
docs citations

15
times ranked

385
citing authors

#	ARTICLE	IF	CITATIONS
1	Large-area integration of two-dimensional materials and their heterostructures by wafer bonding. Nature Communications, 2021, 12, 917.	5.8	99
2	Spectroscopic thickness and quality metrics for PtSe ₂ layers produced by top-down and bottom-up techniques. 2D Materials, 2020, 7, 045027.	2.0	21
3	Calibration of Nonstationary Gas Sensors Based on Two-Dimensional Materials. ACS Omega, 2020, 5, 5959-5963.	1.6	20
4	Synthesis and characterisation of thin-film platinum disulfide and platinum sulfide. Nanoscale, 2021, 13, 7403-7411.	2.8	18
5	Correlating Nanocrystalline Structure with Electronic Properties in 2D Platinum Diselenide. Advanced Functional Materials, 2021, 31, 2102929.	7.8	17
6	Hybrid Devices by Selective and Conformal Deposition of PtSe ₂ at Low Temperatures. Advanced Functional Materials, 2021, 31, 2103936.	7.8	17
7	Ultracompact Photodetection in Atomically Thin MoSe ₂ . ACS Photonics, 2019, 6, 1902-1909.	3.2	15
8	Two-Dimensional Platinum Diselenide Waveguide-Integrated Infrared Photodetectors. ACS Photonics, 2022, 9, 859-867.	3.2	14
9	Rapid and Large-Area Visualization of Grain Boundaries in MoS ₂ on SiO ₂ Using Vapor Hydrofluoric Acid. ACS Applied Materials & Interfaces, 2020, 12, 34049-34057.	4.0	13
10	Highly Selective Non-Covalent On-Chip Functionalization of Layered Materials. Advanced Electronic Materials, 2021, 7, 2000564.	2.6	9
11	Influence of defect density on the gas sensing properties of multi-layered graphene grown by chemical vapor deposition. Carbon Trends, 2021, 3, 100024.	1.4	7
12	Stacking Polymorphism in PtSe ₂ Drastically Affects Its Electromechanical Properties. Advanced Science, 2022, 9, .	5.6	4
13	Waveguide-Integrated Photodetectors based on 2D Platinum Diselenide. , 2021, , .		1
14	Correlation of Material Structure and Electronic Properties in 2D Platinum-Diselenide-based Devices. , 2020, , .		0
15	Wafer-scale integration of layered 2D materials by adhesive wafer bonding. , 2022, , .		0