Dianyu Qi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8575854/publications.pdf

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14	423	933447 10	1125743 13
papers	citations	h-index	g-index

14	14	14	825
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Surface Functionalization of Black Phosphorus via Potassium toward High-Performance Complementary Devices. Nano Letters, 2017, 17, 4122-4129.	9.1	117
2	Strong Interlayer Transition in Fewâ€Layer InSe/PdSe₂ van der Waals Heterostructure for Nearâ€Infrared Photodetection. Advanced Functional Materials, 2021, 31, 2104143.	14.9	69
3	Fabryâ€“Perot Cavity-Enhanced Optical Absorption in Ultrasensitive Tunable Photodiodes Based on Hybrid 2D Materials. Nano Letters, 2017, 17, 7593-7598.	9.1	48
4	Continuously Tuning Electronic Properties of Few-Layer Molybdenum Ditelluride with in Situ Aluminum Modification toward Ultrahigh Gain Complementary Inverters. ACS Nano, 2019, 13, 9464-9472.	14.6	36
5	Reducing the Schottky barrier between few-layer MoTe ₂ and gold. 2D Materials, 2017, 4, 045016.	4.4	35
6	Ultrathin Singleâ€Crystalline 2D Perovskite Photoconductor for Highâ€Performance Narrowband and Wide Linear Dynamic Range Photodetection. Small, 2020, 16, e2005626.	10.0	26
7	Molecular Alignment and Electronic Structure of N,Nâ€²-Dibutyl-3,4,9,10-perylene-tetracarboxylic-diimide Molecules on MoS₂ Surfaces. ACS Applied Materials & Interfaces, 2017, 9, 5566-5573.	8.0	19
8	Facile p-Doping of Few-Layer MoTe₂ by Controllable Surface Oxidation toward High-Performance Complementary Devices. ACS Applied Electronic Materials, 2020, 2, 920-926.	4.3	19
9	Flexible Photodetectors Based on Allâ€Solutionâ€Processed Cu Electrodes and InSe Nanoflakes with High Stabilities. Advanced Functional Materials, 2022, 32, 2108261.	14.9	18
10	Visible to near-infrared photodetector with novel optoelectronic performance based on graphene/S-doped InSe heterostructure on h-BN substrate. Nanoscale, 2020, 12, 19259-19266.	5.6	17
11	Modulation of Electrical Properties with Controllable Local Doping in Multilayer MoTe₂ Transistors. Advanced Electronic Materials, 2020, 6, 2000532.	5.1	10
12	Epitaxial Growth of 2D Ternary Copperâ€“Indiumâ€“Selenide Nanoflakes for Highâ€Performance Nearâ€Infrared Photodetectors. Advanced Optical Materials, 0, , 2200033.	7.3	4
13	Bandgap Engineering of Ternary Îµâ€InSe_{1â^'}_xS_x and Îµâ€InSe_{1â^'}_yTe_y Single Crystals for Highâ€Performance Electronics and Optoelectronics. Advanced Optical Materials, 2022, 10, .	7.3	3
14	Selective Chemical Vapor Deposition Growth of WS2/MoS2 Vertical and Lateral Heterostructures on Gold Foils. Nanomaterials, 2022, 12, 1696.	4.1	2