

Juchan Lee

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

248
citations

1307594

7
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

358
citing authors

#	ARTICLE	IF	CITATIONS
1	Gate tunable photoresponse of a two-dimensional p-n junction for high performance broadband photodetector. Applied Materials Today, 2022, 26, 101285.	4.3	7
2	Correlation of Defect-Induced Photoluminescence and Raman Scattering in Monolayer WS ₂ . Journal of Physical Chemistry C, 2022, 126, 7177-7183.	3.1	8
3	Carrier transport through near-ideal interface for WSe ₂ van der Waals homojunction diode. Applied Surface Science, 2021, 542, 148499.	6.1	3
4	Quasi-2D Halide Perovskite Memory Device Formed by Acid-Base Binary Ligand Solution Composed of Oleylamine and Oleic Acid. ACS Applied Materials & Interfaces, 2021, 13, 40891-40900.	8.0	10
5	Gate-controlled MoTe ₂ homojunction for sub-thermionic subthreshold swing tunnel field-effect transistor. Nano Today, 2021, 40, 101263.	11.9	19
6	Interface Trap Suppression and Electron Doping in Van der Waals Materials Using Cross-Linked Poly(vinylpyrrolidone). ACS Applied Materials & Interfaces, 2021, 13, 55489-55497.	8.0	1
7	Modulation of Junction Modes in SnSe ₂ /MoTe ₂ Broken-Gap van der Waals Heterostructure for Multifunctional Devices. Nano Letters, 2020, 20, 2370-2377.	9.1	75
8	Encapsulation of a Monolayer WSe ₂ Phototransistor with Hydrothermally Grown ZnO Nanorods. ACS Applied Materials & Interfaces, 2019, 11, 20257-20264.	8.0	15
9	Modulating the Functions of MoS ₂ /MoTe ₂ van der Waals Heterostructure via Thickness Variation. ACS Nano, 2019, 13, 4478-4485.	14.6	85
10	Parameter control for enhanced peak-to-valley current ratio in a MoS ₂ /MoTe ₂ van der Waals heterostructure. Nanoscale, 2018, 10, 12322-12329.	5.6	25