

Gyuchull Han

List of Publications by Year in descending order

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10
papers

416
citations

1163117

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1372567

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10
docs citations

10
times ranked

981
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Crystalline CVD-grown Multilayer MoSe ₂ Thin Film Transistor for Fast Photodetector. Scientific Reports, 2015, 5, 15313.	3.3	129
2	Giant Photoamplification in Indirectâ€Bandgap Multilayer MoS ₂ Phototransistors with Local Bottomâ€Gate Structures. Advanced Materials, 2015, 27, 2224-2230.	21.0	109
3	Label-Free and Recalibrated Multilayer MoS ₂ Biosensor for Point-of-Care Diagnostics. ACS Applied Materials & Interfaces, 2017, 9, 43490-43497.	8.0	62
4	Interstitial Moâ€Assisted Photovoltaic Effect in Multilayer MoSe ₂ Phototransistors. Advanced Materials, 2018, 30, e1705542.	21.0	48
5	Nano-patterning on multilayer MoS ₂ via block copolymer lithography for highly sensitive and responsive phototransistors. Communications Materials, 2021, 2, .	6.9	19
6	Scaling Limit of Bilayer Phosphorene FETs. IEEE Electron Device Letters, 2015, 36, 978-980.	3.9	17
7	Ultrasensitive Multilayer MoS ₂ -Based Photodetector with Permanently Grounded Gate Effect. Advanced Electronic Materials, 2020, 6, 1901256.	5.1	14
8	Contact-dependent performance variability of monolayer MoS ₂ field-effect transistors. Applied Physics Letters, 2014, 105, 213508.	3.3	9
9	Photoresponse of MoSe ₂ Transistors: A Fully Numerical Quantum Transport Simulation Study. ACS Applied Electronic Materials, 2020, 2, 3765-3772.	4.3	5
10	Phototransistors: Giant Photoamplification in Indirectâ€Bandgap Multilayer MoS ₂ Phototransistors with Local Bottomâ€Gate Structures (Adv. Mater. 13/2015). Advanced Materials, 2015, 27, 2126-2126.	21.0	4