Tanweer Ahmed

List of Publications by Year
in descending order

14 papers	231 citations	1162367 8 h-index	1125271 13 g-index
14 all docs	14 docs citations	14 times ranked	340 citing authors

#	Article	IF	Citations
1	A high-performance MoS ₂ synaptic device with floating gate engineering for neuromorphic computing. 2D Materials, 2019, 6, 045008.	2.0	72
2	Numberâ€Resolved Singleâ€Photon Detection with Ultralow Noise van der Waals Hybrid. Advanced Materials, 2018, 30, 1704412.	11.1	32
3	Interplay of charge transfer and disorder in optoelectronic response in Graphene/hBN/MoS₂ van der Waals heterostructures. 2D Materials, 2020, 7, 025043.	2.0	31
4	Graphene- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mi>WS</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> van der Waals Hybrid Heterostructure for Photodetector and Memory Device Applications. Physical Review Applied, 2020, 14, .	1.5	13
5	A generic method to control hysteresis and memory effect in Van der Waals hybrids. Materials Research Express, 2020, 7, 014004.	0.8	12
6	Observation of inter-layer charge transmission resonance at optically excited grapheneâ€“TMDC interfaces. APL Materials, 2020, 8, 091114.	2.2	10
7	Highâ€Efficiency Infrared Sensing with Optically Excited Grapheneâ€Transition Metal Dichalcogenide Heterostructures. Small, 2022, 18, .	5.2	10
8	Thermodynamically stable octahedral MoS ₂ in van der Waals hetero-bilayers. 2D Materials, 2019, 6, 041002.	2.0	9
9	Fermi Level Pinning Induced by Doping in Air Stable n-Type Organic Semiconductor. ACS Applied Electronic Materials, 2020, 2, 66-73.	2.0	9
10	Thermal History-Dependent Current Relaxation in hBN/MoS₂ van der Waals Dimers. ACS Nano, 2020, 14, 5909-5916.	7.3	9
11	Interlayer Charge Transfer and Photodetection Efficiency of Grapheneâ€“Transition-Metal-Dichalcogenide Heterostructures. Physical Review Applied, 2022, 17, .	1.5	9
12	Optimising graphene visibility in van der Waals heterostructures. Nanotechnology, 2019, 30, 395704.	1.3	7
13	Atomically-smooth single-crystalline VO2 (101) thin films with sharp metal-insulator transition. Journal of Applied Physics, 2019, 126, .	1.1	7
14	2D van der Waals Hybrid: Structures, Properties and Devices. , 2017, , 169-238.		1