

Shahid Sattar

List of Publications by Year in descending order

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papers

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1039880

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16
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412
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultralow Lattice Thermal Conductivity and Thermoelectric Properties of Monolayer Tl ₂ O. ACS Applied Energy Materials, 2019, 2, 3004-3008.	2.5	52
2	Wafer-Scale Growth of 2D PtTe ₂ with Layer Orientation Tunable High Electrical Conductivity and Superior Hydrophobicity. ACS Applied Materials & Interfaces, 2020, 12, 10839-10851.	4.0	48
3	Electronic Properties of Graphene-PtSe ₂ Contacts. ACS Applied Materials & Interfaces, 2017, 9, 15809-15813.	4.0	41
4	Large-area 2D PtTe ₂ /silicon vertical-junction devices with ultrafast and high-sensitivity photodetection and photovoltaic enhancement by integrating water droplets. Nanoscale, 2020, 12, 23116-23124.	2.8	20
5	Hydrogen Storage in Bilayer Hexagonal Boron Nitride: A First-Principles Study. ACS Omega, 2021, 6, 30362-30370.	1.6	16
6	Solid argon as a possible substrate for quasi-freestanding silicene. New Journal of Physics, 2014, 16, 065001.	1.2	15
7	Proximity-induced spin-valley polarization in silicene or germanene on F-doped WS ₂ . Physical Review B, 2016, 94, .	1.1	15
8	Stacking Effects in van der Waals Heterostructures of Silicene and Hexagonal Boron Nitride. Advanced Theory and Simulations, 2018, 1, 1800083.	1.3	12
9	Silicene on Monolayer PtSe ₂ : From Strong to Weak Binding via NH ₃ Intercalation. ACS Applied Materials & Interfaces, 2018, 10, 4266-4270.	4.0	10
10	Epitaxial Growth and Determination of Band Alignment of Bi ₂ Te ₃ WS ₂ Vertical van der Waals Heterojunctions. , 2020, 2, 1351-1359.		9
11	Tunable Electronic Properties and Large Rashba Splittings Found in Few-Layer Bi ₂ Se ₃ /PtSe ₂ Van der Waals Heterostructures. ACS Applied Electronic Materials, 2020, 2, 3585-3592.	2.0	9
12	Rashba Effect and Raman Spectra of Tl ₂ O/PtS ₂ Heterostructure. ACS Omega, 2021, 6, 4044-4050.	1.6	6
13	Superior gas sensing properties of WS ₂ /PtSe ₂ heterostructure. ACS Applied Materials & Interfaces, 2021, 13, 15809-15813.	1.4	6
14	Peel-and-Stick Integration of Atomically Thin Nonlayered PtS Semiconductors for Multidimensionally Stretchable Electronic Devices. ACS Applied Materials & Interfaces, 2022, 14, 20268-20279.	4.0	5
15	Giant valley-polarized spin splittings in magnetized Janus Pt dichalcogenides. Physical Review B, 2022, 105, .	1.1	3
16	Detailed Characterization of a Fully Additive Covalent Bonded PCB Manufacturing Process (SBU-CBM) Tj ETQq0 0 Q rgBT /Overlock 10 T	1.3	1