

# Shahid Sattar

## List of Publications by Year in descending order

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16  
papers

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citations

1039880

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996849

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16  
all docs

16  
docs citations

16  
times ranked

412  
citing authors

#	ARTICLE	IF	CITATIONS
1	gas sensing properties of $\text{PtSe}_2$ nanoribbons. Physical Review B, 2016, 94, 045411.	1.4	6
2	Giant valley-polarized spin splittings in magnetized Janus Pt dichalcogenides. Physical Review B, 2022, 105, .	1.1	3
3	Detailed Characterization of a Fully Additive Covalent Bonded PCB Manufacturing Process (SBU-CBM) Tj ETQq1 1 0,784314 rgBT /Over	1.3	1
4	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
5	Rashba Effect and Raman Spectra of $\text{TiO}_2/\text{PtS}_2$ Heterostructure. ACS Omega, 2021, 6, 4044-4050.	1.6	6
6	Hydrogen Storage in Bilayer Hexagonal Boron Nitride: A First-Principles Study. ACS Omega, 2021, 6, 30362-30370.	1.6	16
7	Large-area 2D $\text{PtTe}_2$ /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
8	Epitaxial Growth and Determination of Band Alignment of $\text{Bi}_2\text{Te}_3/\text{WSe}_2$ Vertical van der Waals Heterojunctions. , 2020, 2, 1351-1359.		9
9	Tunable Electronic Properties and Large Rashba Splittings Found in Few-Layer $\text{Bi}_2\text{Se}_3/\text{PtSe}_2$ Van der Waals Heterostructures. ACS Applied Electronic Materials, 2020, 2, 3585-3592.	2.0	9
10	Wafer-Scale Growth of 2D $\text{PtTe}_2$ with Layer Orientation Tunable High Electrical Conductivity and Superior Hydrophobicity. ACS Applied Materials & Interfaces, 2020, 12, 10839-10851.	4.0	48
11	Ultralow Lattice Thermal Conductivity and Thermoelectric Properties of Monolayer $\text{TiO}_2$ . ACS Applied Energy Materials, 2019, 2, 3004-3008.	2.5	52
12	Silicene on Monolayer $\text{PtSe}_2$ : From Strong to Weak Binding via $\text{NH}_3$ Intercalation. ACS Applied Materials & Interfaces, 2018, 10, 4266-4270.	4.0	10
13	Stacking Effects in van der Waals Heterostructures of Silicene and Hexagonal Boron Nitride. Advanced Theory and Simulations, 2018, 1, 1800083.	1.3	12
14	Electronic Properties of Graphene/ $\text{PtSe}_2$ Contacts. ACS Applied Materials & Interfaces, 2017, 9, 15809-15813.	4.0	41
15	Proximity-induced spin-valley polarization in silicene or germanene on F-doped $\text{WS}_2$ . Physical Review B, 2016, 94, .	1.2	15
16	Solid argon as a possible substrate for quasi-freestanding silicene. New Journal of Physics, 2014, 16, 065001.	1.2	15