

Tong Yu

List of Publications by Year in descending order

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19
papers

1,087
citations

567247

15
h-index

794568

19
g-index

19
all docs

19
docs citations

19
times ranked

1386
citing authors

#	ARTICLE	IF	CITATIONS
1	TiC ₃ Monolayer with High Specific Capacity for Sodium-Ion Batteries. Journal of the American Chemical Society, 2018, 140, 5962-5968.	13.7	244
2	Two-Dimensional PC ₆ with Direct Band Gap and Anisotropic Carrier Mobility. Journal of the American Chemical Society, 2019, 141, 1599-1605.	13.7	144
3	Predicted Pressure-Induced Superconducting Transition in Electride Li_5P . Physical Review Letters, 2019, 122, 097002.	7.86	94
4	High-Temperature Ferromagnetism in an Fe ₃ P Monolayer with a Large Magnetic Anisotropy. Journal of Physical Chemistry Letters, 2019, 10, 2733-2738.	4.6	79
5	Stable and metallic two-dimensional TaC ₂ as an anode material for lithium-ion battery. Journal of Materials Chemistry A, 2017, 5, 18698-18706.	10.3	75
6	Metallic P ₃ C monolayer as anode for sodium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 405-411.	10.3	75
7	Nanotube-assembled pine-needle-like CuS as an effective energy booster for sodium-ion storage. Journal of Materials Chemistry A, 2019, 7, 10619-10628.	10.3	70
8	Anisotropic Janus SiP ₂ Monolayer as a Photocatalyst for Water Splitting. Journal of Physical Chemistry Letters, 2021, 12, 2464-2470.	4.6	49
9	Understanding the role of lithium sulfide clusters in lithium-sulfur batteries. Journal of Materials Chemistry A, 2017, 5, 9293-9298.	10.3	43
10	FeP ₃ monolayer as a high-efficiency catalyst for hydrogen evolution reaction. Journal of Materials Chemistry A, 2019, 7, 25665-25671.	10.3	43
11	Pressure-Induced Stable Li ₅ P for High-Performance Lithium-Ion Batteries. Journal of Physical Chemistry C, 2017, 121, 21199-21205.	3.1	36
12	Computational predictions of two-dimensional anode materials of metal-ion batteries. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2020, 10, e1473.	14.6	30
13	Hexagonal BC ₂ N with Remarkably High Hardness. Journal of Physical Chemistry C, 2018, 122, 6801-6807.	3.1	26
14	Phase diagram, stability and electronic properties of an Fe-P system under high pressure: a first principles study. RSC Advances, 2017, 7, 15986-15991.	3.6	23
15	Boron kagome-layer induced intrinsic superconductivity in a MnB ₃ monolayer with a high critical temperature. Physical Review B, 2020, 102, .	7.23	23
16	Anisotropic PC ₆ N Monolayer with Wide Band Gap and Ultrahigh Carrier Mobility. Journal of Physical Chemistry C, 2020, 124, 4330-4337.	3.1	14
17	High-temperature driven inter-valley carrier transfer and significant fluorescence enhancement in multilayer WS ₂ . Nanoscale Horizons, 2018, 3, 598-605.	8.0	13
18	Unraveling the synergetic mechanism of physisorption and chemisorption in laser-irradiated monolayer WS ₂ . Nano Research, 2021, 14, 4274-4280.	10.4	6

#	ARTICLE	IF	CITATIONS
19	Semiconducting MnB_5 monolayer as a potential photovoltaic material. Journal of Physics Condensed Matter, 2021, 33, 175702.	1.8	1