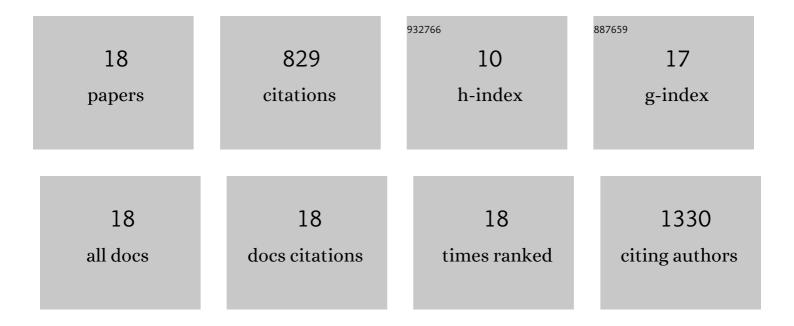
Yanhui Liu

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	A General Atomic Surface Modification Strategy for Improving Anchoring and Electrocatalysis Behavior of Ti ₃ C ₂ T ₂ MXene in Lithium–Sulfur Batteries. ACS Nano, 2019, 13, 11078-11086.	7.3	232
2	Two-dimensional VS ₂ monolayers as potential anode materials for lithium-ion batteries and beyond: first-principles calculations. Journal of Materials Chemistry A, 2017, 5, 21370-21377.	5.2	176
3	First-Principles Calculations of Ti ₂ N and Ti ₂ NT ₂ (T = O, F, OH) Monolayers as Potential Anode Materials for Lithium-Ion Batteries and Beyond. Journal of Physical Chemistry C, 2017, 121, 13025-13034.	1.5	151
4	Investigation of chloride ion adsorption onto Ti ₂ C MXene monolayers by first-principles calculations. Journal of Materials Chemistry A, 2017, 5, 24720-24727.	5.2	57
5	Insight into the Anchoring and Catalytic Effects of VO ₂ and VS ₂ Nanosheets as Sulfur Cathode Hosts for Li–S Batteries. ChemSusChem, 2019, 12, 4671-4678.	3.6	50
6	Structural prediction and multilayer Li ⁺ storage in two-dimensional VC ₂ carbide studied by first-principles calculations. Journal of Materials Chemistry A, 2019, 7, 8873-8881.	5.2	34
7	Atomic insight into the structural transformation and anionic/cationic redox reactions of VS ₂ nanosheets in sodium-ion batteries. Journal of Materials Chemistry A, 2018, 6, 15985-15992.	5.2	33
8	Theoretical prediction and atomic-scale investigation of a tetra-VN ₂ monolayer as a high energy alkali ion storage material for rechargeable batteries. Journal of Materials Chemistry A, 2019, 7, 26858-26866.	5.2	18
9	Structural prediction of ultrahard semi-titanium boride (Ti ₂ B) using the frozen-phonon method. Physical Chemistry Chemical Physics, 2016, 18, 7927-7931.	1.3	16
10	A hidden symmetry-broken phase of MoS ₂ revealed as a superior photovoltaic material. Journal of Materials Chemistry A, 2018, 6, 16087-16093.	5.2	16
11	Evolution of crystal and electronic structures of magnesium dicarbide at high pressure. Scientific Reports, 2016, 5, 17815.	1.6	11
12	Pressure Driven Enhancement of Ideal Shear Strength in bc8-Carbon and Diamond. Journal of Physical Chemistry C, 2017, 121, 26457-26464.	1.5	9
13	Pressureâ€Dependent Strong Photoluminescence of Excitons Bound to Defects in WS ₂ Quantum Dots. Advanced Materials Interfaces, 2018, 5, 1800305.	1.9	8
14	Phase diagram and bonding states of Ir-P binary compounds at high pressures. Journal of Alloys and Compounds, 2019, 791, 1257-1262.	2.8	7
15	Phase transition and electronic properties of skutterudite-type IrP ₃ under high pressure. Physical Chemistry Chemical Physics, 2019, 21, 21262-21266.	1.3	6
16	Highâ€pressure phase transitions in NaBH ₄ from firstâ€principles calculations. Physica Status Solidi (B): Basic Research, 2011, 248, 1139-1142.	0.7	3
17	Nonmetallization and band inversion in beryllium dicarbide at high pressure. Scientific Reports, 2016, 6, 26398.	1.6	2
18	Modifying structural polymorphs and tuning electronic properties in pressure-stabilized binary Ir–Sb phases. RSC Advances, 2020, 10, 19185-19191.	1.7	0