

Wangping Xu

List of Publications by Year in descending order

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papers

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23
times ranked

512
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of Rotation Angle and Grain Boundary in Tuning the Li Intercalation Concentration to Induce Phase Transition in Bilayer MoS ₂ . Journal of Physical Chemistry C, 2022, 126, 8539-8544.	1.5	1
2	Anion Size Effect of Ionic Liquids in Tuning the Thermoelectric and Mechanical Properties of PEDOT:PSS Films through a Counterion Exchange Strategy. ACS Applied Materials & Interfaces, 2022, 14, 27911-27921.	4.0	11
3	High Anisotropic Optoelectronics in Monolayer Binary M ₈ X ₁₂ (M = Mo, W; X =) Tj ETQq1 1 0.784314 rgBT	4.0	5
4	Dual Defectâ€Passivation Using Phthalocyanine for Enhanced Efficiency and Stability of Perovskite Solar Cells. Small, 2021, 17, e2005216.	5.2	40
5	The Dirac cone in two-dimensional tetragonal silicon carbides: a ring coupling mechanism. Nanoscale, 2021, 13, 18267-18272.	2.8	4
6	High Anisotropic Optoelectronics in Two Dimensional Layered PbSnX ₂ (X = S/Se). Journal of Physical Chemistry Letters, 2021, 12, 10574-10580.	2.1	5
7	Intrinsic Ferromagnetic Semiconductors in Two-Dimensional Alkali-Based Chromium Chalcogenides. ACS Applied Electronic Materials, 2020, 2, 3853-3858.	2.0	17
8	Surface Adsorption and Vacancy in Tuning the Properties of Tellurene. ACS Applied Materials & Interfaces, 2020, 12, 19110-19115.	4.0	20
9	Robust Topological States in Bi ₂ Se ₃ against Surface Oxidation. Journal of Physical Chemistry C, 2020, 124, 6253-6259.	1.5	7
10	Electronic and Optical Properties of Zigzag BN/AlN Nanoribbons with Misfit Dislocations: First-Principles Calculations. Journal of Electronic Materials, 2020, 49, 4100-4110.	1.0	2
11	NiSe ₂ as Coâ€Catalyst with CdS: Nanocomposites for Highâ€Performance Photodriven Hydrogen Evolution under Visibleâ€Light Irradiation. ChemPlusChem, 2019, 84, 999-1010.	1.3	12
12	Interplay of Charged States and Oxygen Dissociation Induced by Vacancies in Phosphorene. Journal of Physical Chemistry C, 2019, 123, 27080-27087.	1.5	8
13	Two-Dimensional Li-Based Ternary Chalcogenides for Photocatalysis. Journal of Physical Chemistry Letters, 2019, 10, 6061-6066.	2.1	31
14	New Family of Two-Dimensional Group-(II ₃ â€V ₂) Photoelectric Materials. Journal of Physical Chemistry C, 2019, 123, 16851-16856.	1.5	3
15	Insights into the unusual semiconducting behavior in low-dimensional boron. Nanoscale, 2019, 11, 7866-7874.	2.8	3
16	New Family of Two-Dimensional Ternary Photoelectric Materials. ACS Applied Materials & Interfaces, 2019, 11, 14457-14462.	4.0	35
17	Effects of Stoneâ€Wales Defect on the Electronic and Optical Properties of Armchair MoS ₂ Nanoribbon: First-Principles Calculations. Journal of Electronic Materials, 2019, 48, 3763-3776.	1.0	7
18	Extremely High Mobilities in Two-Dimensional Group-VA Binary Compounds with Large Conversion Efficiency for Solar Cells. Journal of Physical Chemistry C, 2018, 122, 27590-27596.	1.5	17

#	ARTICLE	IF	CITATIONS
19	Oxidation-Induced Topological Phase Transition in Monolayer $1T\text{-WTe}_2$. Journal of Physical Chemistry Letters, 2018, 9, 4783-4788.	2.1	19
20	Adsorption Induced Indirect-to-Direct Band Gap Transition in Monolayer Blue Phosphorus. Journal of Physical Chemistry C, 2018, 122, 15792-15798.	1.5	10
21	Emergence of topological nodal loops in alkaline-earth hexaborides XB_6 (X = Ca, Sr, and Tl). <i>npj Quantum Materials</i> , 2018, 3, 015001.	1.3	19
22	Two-Dimensional Semiconducting Boron Monolayers. Journal of the American Chemical Society, 2017, 139, 17233-17236.	6.6	57
23	High Reactivity of the $\text{ZnO}(0001)$ Polar Surface: The Role of Oxygen Adatoms. Journal of Physical Chemistry C, 2017, 121, 15711-15718.	1.5	11