

# Wangping Xu

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

344  
citations

840119

11  
h-index

839053

18  
g-index

23  
all docs

23  
docs citations

23  
times ranked

512  
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-Dimensional Semiconducting Boron Monolayers. <i>Journal of the American Chemical Society</i> , 2017, 139, 17233-17236.	6.6	57
2	Dual Defectâ€Passivation Using Phthalocyanine for Enhanced Efficiency and Stability of Perovskite Solar Cells. <i>Small</i> , 2021, 17, e2005216.	5.2	40
3	New Family of Two-Dimensional Ternary Photoelectric Materials. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 14457-14462.	4.0	35
4	Two-Dimensional Li-Based Ternary Chalcogenides for Photocatalysis. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6061-6066.	2.1	31
5	Surface Adsorption and Vacancy in Tuning the Properties of Tellurene. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 19110-19115.	4.0	20
6	Emergence of topological nodal loops in alkaline-earth hexaborides $\text{XB}_6$ (X = Ca, Sr, and Tl). <i>npj Quantum Materials</i> , 2021, 6, 1-10.	1.3	19
7	Oxidation-Induced Topological Phase Transition in Monolayer $\text{1T}'\text{-WTe}_2$ . <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4783-4788.	2.1	19
8	Extremely High Mobilities in Two-Dimensional Group-VA Binary Compounds with Large Conversion Efficiency for Solar Cells. <i>Journal of Physical Chemistry C</i> , 2018, 122, 27590-27596.	1.5	17
9	Intrinsic Ferromagnetic Semiconductors in Two-Dimensional Alkali-Based Chromium Chalcogenides. <i>ACS Applied Electronic Materials</i> , 2020, 2, 3853-3858.	2.0	17
10	$\text{NiSe}_2$ as Coâ€Catalyst with CdS: Nanocomposites for Highâ€Performance Photodriven Hydrogen Evolution under Visibleâ€Light Irradiation. <i>ChemPlusChem</i> , 2019, 84, 999-1010.	1.3	12
11	High Reactivity of the $\text{ZnO}(0001)$ Polar Surface: The Role of Oxygen Adatoms. <i>Journal of Physical Chemistry C</i> , 2017, 121, 15711-15718.	1.5	11
12	Anion Size Effect of Ionic Liquids in Tuning the Thermoelectric and Mechanical Properties of PEDOT:PSS Films through a Counterion Exchange Strategy. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 27911-27921.	4.0	11
13	Adsorption Induced Indirect-to-Direct Band Gap Transition in Monolayer Blue Phosphorus. <i>Journal of Physical Chemistry C</i> , 2018, 122, 15792-15798.	1.5	10
14	Interplay of Charged States and Oxygen Dissociation Induced by Vacancies in Phosphorene. <i>Journal of Physical Chemistry C</i> , 2019, 123, 27080-27087.	1.5	8
15	Effects of Stoneâ€Wales Defect on the Electronic and Optical Properties of Armchair $\text{MoS}_2$ Nanoribbon: First-Principles Calculations. <i>Journal of Electronic Materials</i> , 2019, 48, 3763-3776.	1.0	7
16	Robust Topological States in $\text{Bi}_2\text{Se}_3$ against Surface Oxidation. <i>Journal of Physical Chemistry C</i> , 2020, 124, 6253-6259.	1.5	7
17	High Anisotropic Optoelectronics in Two Dimensional Layered $\text{PbSnX}_2$ (X = S/Se). <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10574-10580.	2.1	5
18	High Anisotropic Optoelectronics in Monolayer Binary $\text{MX}_2$ (M = Mo, W; X = S, Se). <i>npj Quantum Materials</i> , 2021, 6, 1-10.	1.0	5

#	ARTICLE	IF	CITATIONS
19	The Dirac cone in two-dimensional tetragonal silicon carbides: a ring coupling mechanism. <i>Nanoscale</i> , 2021, 13, 18267-18272.	2.8	4
20	New Family of Two-Dimensional Group-III <sub>3</sub> â€“V <sub>2</sub> Photoelectric Materials. <i>Journal of Physical Chemistry C</i> , 2019, 123, 16851-16856.	1.5	3
21	Insights into the unusual semiconducting behavior in low-dimensional boron. <i>Nanoscale</i> , 2019, 11, 7866-7874.	2.8	3
22	Electronic and Optical Properties of Zigzag BN/AlN Nanoribbons with Misfit Dislocations: First-Principles Calculations. <i>Journal of Electronic Materials</i> , 2020, 49, 4100-4110.	1.0	2
23	Role of Rotation Angle and Grain Boundary in Tuning the Li Intercalation Concentration to Induce Phase Transition in Bilayer MoS <sub>2</sub> . <i>Journal of Physical Chemistry C</i> , 2022, 126, 8539-8544.	1.5	1