

# Xifan Wang

## List of Publications by Year in descending order

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12  
papers

685  
citations

1040056

9  
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1281871

11  
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docs citations

12  
times ranked

1938  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface functionalization of two-dimensional metal chalcogenides by Lewis acid–base chemistry. <i>Nature Nanotechnology</i> , 2016, 11, 465-471.	31.5	197
2	Carbon nanotubes, graphene, and their derivatives for heavy metal removal. <i>Advanced Composites and Hybrid Materials</i> , 2018, 1, 56-78.	21.1	157
3	Surface Tension Components Based Selection of Cosolvents for Efficient Liquid Phase Exfoliation of 2D Materials. <i>Small</i> , 2016, 12, 2741-2749.	10.0	128
4	Layer Engineering of 2D Semiconductor Junctions. <i>Advanced Materials</i> , 2016, 28, 5126-5132.	21.0	63
5	Enhanced biofilm penetration for microbial control by polyvalent phages conjugated with magnetic colloidal nanoparticle clusters (CNCs). <i>Environmental Science: Nano</i> , 2017, 4, 1817-1826.	4.3	43
6	A Conductive Nanowire–Mesh Biosensor for Ultrasensitive Detection of Serum C-reactive Protein in Melanoma. <i>Advanced Functional Materials</i> , 2018, 28, 1802482.	14.9	34
7	A Nanoparticle–Decorated Biomolecule–Responsive Polymer Enables Robust Signaling Cascade for Biosensing. <i>Advanced Materials</i> , 2017, 29, 1702090.	21.0	21
8	Bacterial Endospores as Phage Genome Carriers and Protective Shells. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	17
9	Thermoelectric response from grain boundaries and lattice distortions in crystalline gold devices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23350-23355.	7.1	10
10	Correlation between types of defects/vacancies of Bi <sub>2</sub> S <sub>3</sub> nanostructures and their transient photocurrent. <i>Nano Research</i> , 2017, 10, 2405-2414.	10.4	8
11	Photothermoelectric Detection of Gold Oxide Nonthermal Decomposition. <i>Nano Letters</i> , 2018, 18, 6557-6562.	9.1	7
12	Detection of Trace Impurity Gradients in Noble Metals by the Photothermoelectric Effect. <i>Journal of Physical Chemistry C</i> , 2021, 125, 17509-17517.	3.1	0