

# Lude Wang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1197552/publications.pdf>

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11  
papers

400  
citations

1040056

9  
h-index

1281871

11  
g-index

11  
all docs

11  
docs citations

11  
times ranked

573  
citing authors

#	ARTICLE	IF	CITATIONS
1	A mixed-dimensional WS <sub>2</sub> /GaSb heterojunction for high-performance p-n diodes and junction field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2022, 10, 1511-1516.	5.5	1
2	Transition Metal Dichalcogenides for Sensing and Oncotherapy: Status, Challenges, and Perspective. <i>Advanced Functional Materials</i> , 2021, 31, 2004408.	14.9	49
3	Recent advances on TMDCs for medical diagnosis. <i>Biomaterials</i> , 2021, 269, 120471.	11.4	30
4	Sensing Applications of Atomically Thin Group IV Carbon Siblings Xenes: Progress, Challenges, and Prospects. <i>Advanced Functional Materials</i> , 2021, 31, 2005957.	14.9	37
5	Heterostructures of titanium-based MXenes in energy conversion and storage devices. <i>Journal of Materials Chemistry C</i> , 2021, 9, 8395-8465.	5.5	30
6	Colloidal semiconductor nanocrystals: synthesis, optical nonlinearity, and related device applications. <i>Journal of Materials Chemistry C</i> , 2021, 9, 6686-6721.	5.5	8
7	Advanced Devices for Tumor Diagnosis and Therapy. <i>Small</i> , 2021, 17, 2100003.	10.0	14
8	Quantum tunneling in two-dimensional van der Waals heterostructures and devices. <i>Science China Materials</i> , 2021, 64, 2359-2387.	6.3	15
9	Solution-gated transistors of two-dimensional materials for chemical and biological sensors: status and challenges. <i>Nanoscale</i> , 2020, 12, 11364-11394.	5.6	41
10	Semiconducting quantum dots: Modification and applications in biomedical science. <i>Science China Materials</i> , 2020, 63, 1631-1650.	6.3	33
11	Layered Oxide Cathodes Promoted by Structure Modulation Technology for Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 2001334.	14.9	142