

# Yi Wan

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

22  
papers

699  
citations

12  
h-index

22  
g-index

22  
ext. papers

983  
ext. citations

19.8  
avg, IF

3.87  
L-index

#	Paper	IF	Citations
22	Wafer-scale single-orientation 2D layers by atomic edge-guided epitaxial growth.. <i>Chemical Society Reviews</i> , <b>2022</b> ,	58.5	2
21	Two-Dimensional CsAgBiBr/WS Heterostructure-Based Photodetector with Boosted Detectivity via Interfacial Engineering.. <i>ACS Nano</i> , <b>2022</b> ,	16.7	5
20	High- $\kappa$ perovskite membranes as insulators for two-dimensional transistors.. <i>Nature</i> , <b>2022</b> , 605, 262-267	50.4	16
19	Two-Dimensional Materials-Based Static Random-Access Memory.. <i>Advanced Materials</i> , <b>2021</b> , e2107894	24	0
18	2D Cs <sub>2</sub> AgBiBr <sub>6</sub> with Boosted Light-Matter Interaction for High-Performance Photodetectors. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2001930	8.1	16
17	Strain-Directed Layer-By-Layer Epitaxy Toward van der Waals Homo- and Heterostructures <b>2021</b> , 3, 442-453		3
16	3D Crumpled Ultrathin 1T MoS for Inkjet Printing of Mg-Ion Asymmetric Micro-supercapacitors. <i>ACS Nano</i> , <b>2020</b> , 14, 7308-7318	16.7	55
15	Resonant energy transfer between hexagonal boron nitride quantum emitters and atomically layered transition metal dichalcogenides. <i>2D Materials</i> , <b>2020</b> , 7, 045015	5.9	2
14	Aqueous Cathodic Deposition: Aqueously Cathodic Deposition of ZIF-8 Membranes for Superior Propylene/Propane Separation (Adv. Funct. Mater. 7/2020). <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2070042	15.6	3
13	Steam-Assisted Chemical Vapor Deposition of Zeolitic Imidazolate Framework <b>2020</b> , 2, 485-491		14
12	Aqueously Cathodic Deposition of ZIF-8 Membranes for Superior Propylene/Propane Separation. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1907089	15.6	44
11	Mixed-dimensional MXene-hydrogel heterostructures for electronic skin sensors with ultrabroad working range. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	74
10	Epitaxial Growth and Determination of Band Alignment of Bi <sub>2</sub> Te <sub>3</sub> /WSe <sub>2</sub> Vertical van der Waals Heterojunctions <b>2020</b> , 2, 1351-1359		5
9	Ledge-directed epitaxy of continuously self-aligned single-crystalline nanoribbons of transition metal dichalcogenides. <i>Nature Materials</i> , <b>2020</b> , 19, 1300-1306	27	41
8	Aberration-corrected STEM imaging of 2D materials: Artifacts and practical applications of threefold astigmatism. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	7
7	2D Materials: Metal-Guided Selective Growth of 2D Materials: Demonstration of a Bottom-Up CMOS Inverter (Adv. Mater. 18/2019). <i>Advanced Materials</i> , <b>2019</b> , 31, 1970132	24	0
6	Metal-Guided Selective Growth of 2D Materials: Demonstration of a Bottom-Up CMOS Inverter. <i>Advanced Materials</i> , <b>2019</b> , 31, e1900861	24	28

5	Growth of 2H stacked WSe <sub>2</sub> bilayers on sapphire. <i>Nanoscale Horizons</i> , <b>2019</b> , 4, 1434-1442	10.8	11
4	Multidirection Piezoelectricity in Mono- and Multilayered Hexagonal $\text{E}_n\text{Se}$ . <i>ACS Nano</i> , <b>2018</b> , 12, 4976-4983	13.7	133
3	Functional Two-Dimensional Coordination Polymeric Layer as a Charge Barrier in Li-S Batteries. <i>ACS Nano</i> , <b>2018</b> , 12, 836-843	16.7	63
2	Enhanced Emission from WSe <sub>2</sub> Monolayers Coupled to Circular Bragg Gratings. <i>ACS Photonics</i> , <b>2018</b> , 5, 3950-3955	6.3	17
1	Metal-Organic Framework-Based Separators for Enhancing Li-S Battery Stability: Mechanism of Mitigating Polysulfide Diffusion. <i>ACS Energy Letters</i> , <b>2017</b> , 2, 2362-2367	20.1	160