

# Jiang Wei

## List of Publications by Year in descending order

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22  
papers

2,285  
citations

471509

17  
h-index

677142

22  
g-index

23  
all docs

23  
docs citations

23  
times ranked

4202  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence of Topological Nodal-Line Fermions in ZrSiSe and ZrSiTe. <i>Physical Review Letters</i> , 2016, 117, 016602.	7.8	378
2	New aspects of the metal-insulator transition in single-domain vanadium dioxide nanobeams. <i>Nature Nanotechnology</i> , 2009, 4, 420-424.	31.5	284
3	Hydrogen stabilization of metallic vanadium dioxide in single-crystal nanobeams. <i>Nature Nanotechnology</i> , 2012, 7, 357-362.	31.5	259
4	Nano-optical Investigations of the Metal-Insulator Phase Behavior of Individual VO <sub>2</sub> Microcrystals. <i>Nano Letters</i> , 2010, 10, 1574-1581.	9.1	230
5	Gate tunable quantum oscillations in air-stable and high mobility few-layer phosphorene heterostructures. <i>2D Materials</i> , 2015, 2, 011001.	4.4	209
6	Modulation of the Electrical Properties of VO <sub>2</sub> Nanobeams Using an Ionic Liquid as a Gating Medium. <i>Nano Letters</i> , 2012, 12, 2988-2992.	9.1	148
7	High Performance Field-Effect Transistor Based on Multilayer Tungsten Disulfide. <i>ACS Nano</i> , 2014, 8, 10396-10402.	14.6	142
8	Nearly massless Dirac fermions and strong Zeeman splitting in the nodal-line semimetal ZrSiS probed by de Haas-van Alphen quantum oscillations. <i>Physical Review B</i> , 2017, 96, .	3.2	125
9	Environmental Instability and Degradation of Single- and Few-Layer WTe <sub>2</sub> Nanosheets in Ambient Conditions. <i>Small</i> , 2016, 12, 5802-5808.	10.0	96
10	<i>In Situ</i> Diffraction Study of Catalytic Hydrogenation of VO <sub>2</sub> : Stable Phases and Origins of Metallicity. <i>Journal of the American Chemical Society</i> , 2014, 136, 8100-8109.	13.7	67
11	Thermal Transport in Quasi-1D van der Waals Crystal Ta <sub>2</sub> Pd <sub>3</sub> Se <sub>8</sub> Nanowires: Size and Length Dependence. <i>ACS Nano</i> , 2018, 12, 2634-2642.	14.6	61
12	Magnetic-Field Asymmetry of Nonlinear Transport in Carbon Nanotubes. <i>Physical Review Letters</i> , 2005, 95, 256601.	7.8	60
13	Single- and few-layer WTe <sub>2</sub> and their suspended nanostructures: Raman signatures and nanomechanical resonances. <i>Nanoscale</i> , 2016, 8, 7854-7860.	5.6	44
14	Anisotropic infrared response of vanadium dioxide microcrystals. <i>Physical Review B</i> , 2013, 87, .	3.2	41
15	Direct Fabrication of Functional Ultrathin Single-Crystal Nanowires from Quasi-One-Dimensional van der Waals Crystals. <i>Nano Letters</i> , 2016, 16, 6188-6195.	9.1	37
16	Nanostructure studies of strongly correlated materials. <i>Nanoscale</i> , 2011, 3, 3509.	5.6	30
17	Transition Metal Carbide-Chalcogenide - TMCC: A New Family of 2D Materials. <i>Advanced Materials</i> , 2022, 34, e2200574.	21.0	18
18	High yield production of ultrathin fibroid semiconducting nanowire of Ta <sub>2</sub> Pd <sub>3</sub> Se <sub>8</sub> . <i>Nano Research</i> , 2020, 13, 1627-1635.	10.4	16

#	ARTICLE	IF	CITATIONS
19	Unusually strong lateral interaction in the CO overlayer in phosphorene-based systems. Nano Research, 2016, 9, 2598-2605.	10.4	15
20	Quantum Transport of the 2D Surface State in a Nonsymmorphic Semimetal. Nano Letters, 2021, 21, 4887-4893.	9.1	15
21	Nanoscale Inhomogeneous Superconductivity in Fe(Te $_{1-x}$ Se $_x$ ) Probed by Nanostructure Transport. ACS Nano, 2016, 10, 429-435.	14.6	6
22	STEM and EELS Investigation on Black Phosphorus at Atomic Resolution. Microscopy and Microanalysis, 2015, 21, 427-428.	0.4	4