

Jiang Wei

List of Publications by Citations

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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

1,838

citations

16

h-index

23

g-index

23

ext. papers

2,093

ext. citations

12

avg. IF

4.55

L-index

#	Paper	IF	Citations
22	Evidence of Topological Nodal-Line Fermions in ZrSiSe and ZrSiTe. <i>Physical Review Letters</i> , 2016 , 117, 016602	7.4	270
21	New aspects of the metal-insulator transition in single-domain vanadium dioxide nanobeams. <i>Nature Nanotechnology</i> , 2009 , 4, 420-4	28.7	255
20	Hydrogen stabilization of metallic vanadium dioxide in single-crystal nanobeams. <i>Nature Nanotechnology</i> , 2012 , 7, 357-362	28.7	217
19	Nano-optical investigations of the metal-insulator phase behavior of individual VO(2) microcrystals. <i>Nano Letters</i> , 2010 , 10, 1574-81	11.5	204
18	Gate tunable quantum oscillations in air-stable and high mobility few-layer phosphorene heterostructures. <i>2D Materials</i> , 2015 , 2, 011001	5.9	172
17	Modulation of the electrical properties of VO nanobeams using an ionic liquid as a gating medium. <i>Nano Letters</i> , 2012 , 12, 2988-92	11.5	129
16	High performance field-effect transistor based on multilayer tungsten disulfide. <i>ACS Nano</i> , 2014 , 8, 10396-402	16.7	116
15	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,	3.3	87
14	Environmental Instability and Degradation of Single- and Few-Layer WTe Nanosheets in Ambient Conditions. <i>Small</i> , 2016 , 12, 5802-5808	11	69
13	In situ diffraction study of catalytic hydrogenation of VO stable phases and origins of metallicity. <i>Journal of the American Chemical Society</i> , 2014 , 136, 8100-9	16.4	57
12	Magnetic-field asymmetry of nonlinear transport in carbon nanotubes. <i>Physical Review Letters</i> , 2005 , 95, 256601	7.4	51
11	Thermal Transport in Quasi-1D van der Waals Crystal TaPdSe Nanowires: Size and Length Dependence. <i>ACS Nano</i> , 2018 , 12, 2634-2642	16.7	50
10	Single- and few-layer WTe ₂ and their suspended nanostructures: Raman signatures and nanomechanical resonances. <i>Nanoscale</i> , 2016 , 8, 7854-60	7.7	37
9	Anisotropic infrared response of vanadium dioxide microcrystals. <i>Physical Review B</i> , 2013 , 87,	3.3	35
8	Nanostructure studies of strongly correlated materials. <i>Nanoscale</i> , 2011 , 3, 3509-21	7.7	28
7	Direct Fabrication of Functional Ultrathin Single-Crystal Nanowires from Quasi-One-Dimensional van der Waals Crystals. <i>Nano Letters</i> , 2016 , 16, 6188-6195	11.5	24
6	Unusually strong lateral interaction in the CO overlayer in phosphorene-based systems. <i>Nano Research</i> , 2016 , 9, 2598-2605	10	14

5	High yield production of ultrathin fibroid semiconducting nanowire of Ta ₂ Pd ₃ Se ₈ . <i>Nano Research</i> , 2020 , 13, 1627-1635	10	8
4	Nanoscale Inhomogeneous Superconductivity in Fe(Te _{1-x} Sex) Probed by Nanostructure Transport. <i>ACS Nano</i> , 2016 , 10, 429-35	16.7	5
3	Quantum Transport of the 2D Surface State in a Nonsymmorphic Semimetal. <i>Nano Letters</i> , 2021 , 21, 4887-4893	11.5	5
2	STEM and EELS Investigation on Black Phosphorus at Atomic Resolution. <i>Microscopy and Microanalysis</i> , 2015 , 21, 427-428	0.5	4
1	Transition Metal Carbo-Chalcogenide "TMCC" a New Family of Two-dimensional Materials.. <i>Advanced Materials</i> , 2022 , e2200574	24	1