

Jiang Wei

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

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 | Transition Metal Carbo-Chalcogenide "TMCC" a New Family of Two-dimensional Materials.. <i>Advanced Materials</i> , 2022 , e2200574 | 24 | 1 |
| 21 | Quantum Transport of the 2D Surface State in a Nonsymmorphic Semimetal. <i>Nano Letters</i> , 2021 , 21, 4887-4893 | 11.5 | 5 |
| 20 | 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 |
| 19 | 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 |
| 18 | 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 |
| 17 | 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 |
| 16 | Evidence of Topological Nodal-Line Fermions in ZrSiSe and ZrSiTe. <i>Physical Review Letters</i> , 2016 , 117, 016602 | 7.4 | 270 |
| 15 | 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 |
| 14 | Nanoscale Inhomogeneous Superconductivity in Fe(Te _{1-x} Sex) Probed by Nanostructure Transport. <i>ACS Nano</i> , 2016 , 10, 429-35 | 16.7 | 5 |
| 13 | Unusually strong lateral interaction in the CO overlayer in phosphorene-based systems. <i>Nano Research</i> , 2016 , 9, 2598-2605 | 10 | 14 |
| 12 | Environmental Instability and Degradation of Single- and Few-Layer WTe Nanosheets in Ambient Conditions. <i>Small</i> , 2016 , 12, 5802-5808 | 11 | 69 |
| 11 | STEM and EELS Investigation on Black Phosphorus at Atomic Resolution. <i>Microscopy and Microanalysis</i> , 2015 , 21, 427-428 | 0.5 | 4 |
| 10 | Gate tunable quantum oscillations in air-stable and high mobility few-layer phosphorene heterostructures. <i>2D Materials</i> , 2015 , 2, 011001 | 5.9 | 172 |
| 9 | High performance field-effect transistor based on multilayer tungsten disulfide. <i>ACS Nano</i> , 2014 , 8, 10396-402 | 16.4 | 116 |
| 8 | In situ diffraction study of catalytic hydrogenation of VO ₂ stable phases and origins of metallicity. <i>Journal of the American Chemical Society</i> , 2014 , 136, 8100-9 | 16.4 | 57 |
| 7 | Anisotropic infrared response of vanadium dioxide microcrystals. <i>Physical Review B</i> , 2013 , 87, | 3.3 | 35 |
| 6 | Modulation of the electrical properties of VO ₂ nanobeams using an ionic liquid as a gating medium. <i>Nano Letters</i> , 2012 , 12, 2988-92 | 11.5 | 129 |

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| 5 | Hydrogen stabilization of metallic vanadium dioxide in single-crystal nanobeams. <i>Nature Nanotechnology</i> , 2012 , 7, 357-362 | 28.7 | 217 |
| 4 | Nanostructure studies of strongly correlated materials. <i>Nanoscale</i> , 2011 , 3, 3509-21 | 7.7 | 28 |
| 3 | 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 |
| 2 | New aspects of the metal-insulator transition in single-domain vanadium dioxide nanobeams. <i>Nature Nanotechnology</i> , 2009 , 4, 420-4 | 28.7 | 255 |
| 1 | Magnetic-field asymmetry of nonlinear transport in carbon nanotubes. <i>Physical Review Letters</i> , 2005 , 95, 256601 | 7.4 | 51 |