

Matthew Hamer

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.

17
papers

782
citations

12
h-index

20
g-index

20
ext. papers

1,093
ext. citations

13.1
avg, IF

3.74
L-index

#	Paper	IF	Citations
17	Ghost anti-crossings caused by interlayer umklapp hybridization of bands in 2D heterostructures. <i>2D Materials</i> , 2021 , 8, 015016	5.9	2
16	Raman spectroscopy of GaSe and InSe post-transition metal chalcogenides layers. <i>Faraday Discussions</i> , 2021 , 227, 163-170	3.6	11
15	Strongly Absorbing Nanoscale Infrared Domains within Strained Bubbles at hBN-Graphene Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 57638-57648	9.5	1
14	Ultra-thin van der Waals crystals as semiconductor quantum wells. <i>Nature Communications</i> , 2020 , 11, 125	17.4	22
13	Atomic Resolution Imaging of CrBr Using Adhesion-Enhanced Grids. <i>Nano Letters</i> , 2020 , 20, 6582-6589	11.5	8
12	Enhanced Superconductivity in Few-Layer TaS due to Healing by Oxygenation. <i>Nano Letters</i> , 2020 , 20, 3808-3818	11.5	10
11	Indirect to Direct Gap Crossover in Two-Dimensional InSe Revealed by Angle-Resolved Photoemission Spectroscopy. <i>ACS Nano</i> , 2019 , 13, 2136-2142	16.7	40
10	Resonantly hybridized excitons in moiré superlattices in van der Waals heterostructures. <i>Nature</i> , 2019 , 567, 81-86	50.4	367
9	Formation and Healing of Defects in Atomically Thin GaSe and InSe. <i>ACS Nano</i> , 2019 , 13, 5112-5123	16.7	23
8	Niobium diselenide superconducting photodetectors. <i>Applied Physics Letters</i> , 2019 , 114, 251103	3.4	13
7	Nanometer Resolution Elemental Mapping in Graphene-Based TEM Liquid Cells. <i>Nano Letters</i> , 2018 , 18, 1168-1174	11.5	67
6	Scalable Patterning of Encapsulated Black Phosphorus. <i>Nano Letters</i> , 2018 , 18, 5373-5381	11.5	30
5	Optical second harmonic generation in encapsulated single-layer InSe. <i>AIP Advances</i> , 2018 , 8, 105120	1.5	15
4	Infrared-to-violet tunable optical activity in atomic films of GaSe, InSe, and their heterostructures. <i>2D Materials</i> , 2018 , 5, 041009	5.9	39
3	Gate-Defined Quantum Confinement in InSe-Based van der Waals Heterostructures. <i>Nano Letters</i> , 2018 , 18, 3950-3955	11.5	33
2	High Quality Factor Graphene-Based Two-Dimensional Heterostructure Mechanical Resonator. <i>Nano Letters</i> , 2017 , 17, 5950-5955	11.5	49
1	Observing Imperfection in Atomic Interfaces for van der Waals Heterostructures. <i>Nano Letters</i> , 2017 , 17, 5222-5228	11.5	39

