

Wen Fan

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.

13
papers

2,935
citations

12
h-index

13
g-index

13
ext. papers

3,284
ext. citations

8.3
avg, IF

4.26
L-index

#	Paper	IF	Citations
13	Monolayer behaviour in bulk ReS ₂ due to electronic and vibrational decoupling. <i>Nature Communications</i> , 2014 , 5, 3252	17.4	728
12	Defects activated photoluminescence in two-dimensional semiconductors: interplay between bound, charged, and free excitons. <i>Scientific Reports</i> , 2013 , 3, 2657	4.9	726
11	Tuning interlayer coupling in large-area heterostructures with CVD-grown MoS ₂ and WS ₂ monolayers. <i>Nano Letters</i> , 2014 , 14, 3185-90	11.5	562
10	Elastic properties of chemical-vapor-deposited monolayer MoS ₂ , WS ₂ , and their bilayer heterostructures. <i>Nano Letters</i> , 2014 , 14, 5097-103	11.5	384
9	Visualizing nanoscale excitonic relaxation properties of disordered edges and grain boundaries in monolayer molybdenum disulfide. <i>Nature Communications</i> , 2015 , 6, 7993	17.4	172
8	Two-dimensional semiconductor alloys: Monolayer Mo _{1-x} W _x Se ₂ . <i>Applied Physics Letters</i> , 2014 , 104, 012101	9.4	122
7	Colossal thermal-mechanical actuation via phase transition in single-crystal VO ₂ microcantilevers. <i>Journal of Applied Physics</i> , 2010 , 108, 083538	2.5	67
6	Heat transfer across the interface between nanoscale solids and gas. <i>ACS Nano</i> , 2011 , 5, 10102-7	16.7	55
5	Mechanically modulated tunneling resistance in monolayer MoS ₂ . <i>Applied Physics Letters</i> , 2013 , 103, 183105	3.4	36
4	Substrate modified thermal stability of mono- and few-layer MoS. <i>Nanoscale</i> , 2018 , 10, 3540-3546	7.7	32
3	Directly Metering Light Absorption and Heat Transfer in Single Nanowires Using Metal-Insulator Transition in VO ₂ . <i>Advanced Optical Materials</i> , 2015 , 3, 336-341	8.1	20
2	Vibrational spectrum renormalization by enforced coupling across the van der Waals gap between MoS ₂ and WS ₂ monolayers. <i>Physical Review B</i> , 2015 , 92,	3.3	19
1	Observation of anatase nanograins crystallizing from anodic amorphous TiO ₂ nanotubes. <i>CrystEngComm</i> , 2015 , 17, 7346-7353	3.3	12