

Wen Fan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11408435/publications.pdf>

Version: 2024-02-01

13
papers

3,623
citations

687220

13
h-index

1125617

13
g-index

13
all docs

13
docs citations

13
times ranked

7251
citing authors

#	ARTICLE	IF	CITATIONS
1	Monolayer behaviour in bulk ReS ₂ due to electronic and vibrational decoupling. Nature Communications, 2014, 5, 3252.	5.8	906
2	Defects activated photoluminescence in two-dimensional semiconductors: interplay between bound, charged and free excitons. Scientific Reports, 2013, 3, 2657.	1.6	876
3	Tuning Interlayer Coupling in Large-Area Heterostructures with CVD-Grown MoS ₂ and WS ₂ Monolayers. Nano Letters, 2014, 14, 3185-3190.	4.5	683
4	Elastic Properties of Chemical-Vapor-Deposited Monolayer MoS ₂ , WS ₂ , and Their Bilayer Heterostructures. Nano Letters, 2014, 14, 5097-5103.	4.5	512
5	Visualizing nanoscale excitonic relaxation properties of disordered edges and grain boundaries in monolayer molybdenum disulfide. Nature Communications, 2015, 6, 7993.	5.8	204
6	Two-dimensional semiconductor alloys: Monolayer Mo _{1-x} W _x Se ₂ . Applied Physics Letters, 2014, 104, .	1.5	154
7	Colossal thermal-mechanical actuation via phase transition in single-crystal VO ₂ microcantilevers. Journal of Applied Physics, 2010, 108, .	1.1	75
8	Heat Transfer across the Interface between Nanoscale Solids and Gas. ACS Nano, 2011, 5, 10102-10107.	7.3	63
9	Mechanically modulated tunneling resistance in monolayer MoS ₂ . Applied Physics Letters, 2013, 103, .	1.5	43
10	Substrate modified thermal stability of mono- and few-layer MoS ₂ . Nanoscale, 2018, 10, 3540-3546.	2.8	43
11	Vibrational spectrum renormalization by enforced coupling across the van der Waals gap between MoS ₂ and WS ₂ monolayers. Nature Communications, 2018, 9, 2957.	1.1	30
12	Directly Metering Light Absorption and Heat Transfer in Single Nanowires Using Metal-Insulator Transition in VO ₂ . Advanced Optical Materials, 2015, 3, 336-341.	3.6	21
13	Observation of anatase nanograins crystallizing from anodic amorphous TiO ₂ nanotubes. CrystEngComm, 2015, 17, 7346-7353.	1.3	13