

Chenxi Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10973170/publications.pdf>

Version: 2024-02-01

21
papers

1,485
citations

623734

14
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

3497
citing authors

#	ARTICLE	IF	CITATIONS
1	Giant renormalization of dopant impurity levels in 2D semiconductor MoS ₂ . Scientific Reports, 2020, 10, 4938.	3.3	8
2	Band Structure Engineering of Layered WSe ₂ via One-Step Chemical Functionalization. ACS Nano, 2019, 13, 7545-7555.	14.6	21
3	2D Materials: Tuning the Electronic and Photonic Properties of Monolayer MoS ₂ via In Situ Rhenium Substitutional Doping (Adv. Funct. Mater. 16/2018). Advanced Functional Materials, 2018, 28, 1870105.	14.9	1
4	Tuning the Electronic and Photonic Properties of Monolayer MoS ₂ via In Situ Rhenium Substitutional Doping. Advanced Functional Materials, 2018, 28, 1706950.	14.9	137
5	Ab Initio Study on Surface Segregation and Anisotropy of Ni-Rich LiNi _{1-2x} Co _y Mn _y O ₂ (NCM) ($x \approx 0.1$) Cathodes. ACS Applied Materials & Interfaces, 2018, 10, 6673-6680.	8.0	50
6	Atomic Insights into Phase Evolution in Ternary Transition-Metal Dichalcogenides Nanostructures. Small, 2018, 14, e1800780.	10.0	13
7	Enhanced P-Type Behavior in 2D WSe ₂ via Chemical Defect Engineering. , 2018, , .		0
8	Dislocation driven spiral and non-spiral growth in layered chalcogenides. Nanoscale, 2018, 10, 15023-15034.	5.6	24
9	New Mo ₆ Te ₆ Sub-Nanometer Diameter Nanowire Phase from 2H-MoTe ₂ . Advanced Materials, 2017, 29, 1606264.	21.0	64
10	Systematic study of electronic structure and band alignment of monolayer transition metal dichalcogenides in Van der Waals heterostructures. 2D Materials, 2017, 4, 015026.	4.4	160
11	Intrinsic air stability mechanisms of two-dimensional transition metal dichalcogenide surfaces: basal versus edge oxidation. 2D Materials, 2017, 4, 025050.	4.4	87
12	Structural and electronic phase transitions of MoTe ₂ induced by Li ionic gating. 2D Materials, 2017, 4, 045012.	4.4	9
13	In Situ Heating Study of 2H-MoTe ₂ to Mo ₆ Te ₆ Nanowire Phase Transition. Microscopy and Microanalysis, 2017, 23, 1764-1765.	0.4	2
14	Site-dependent multicomponent doping strategy for Ni-rich LiNi _{1-2x} Co _y Mn _y O ₂ ($x = 1/12$) cathode materials for Li-ion batteries. Journal of Materials Chemistry A, 2017, 5, 25303-25313.	10.3	119
15	Charge-transfer modified embedded atom method dynamic charge potential for Li-Co-O system. Journal of Physics Condensed Matter, 2017, 29, 475903.	1.8	3
16	Obstacles toward unity efficiency of LiNi _{1-2x} Co _x Mn _x O ₂ ($x = 1/4$) (NCM) cathode materials: Insights from ab initio calculations. Journal of Power Sources, 2017, 340, 217-228.	7.8	57
17	Atomic and Electronic Structures of WTe ₂ Probed by High Resolution Electron Microscopy and ab Initio Calculations. Journal of Physical Chemistry C, 2016, 120, 8364-8369.	3.1	37
18	Covalent Nitrogen Doping and Compressive Strain in MoS ₂ by Remote N ₂ Plasma Exposure. Nano Letters, 2016, 16, 5437-5443.	9.1	323

#	ARTICLE	IF	CITATIONS
19	Charge Mediated Reversible Metal-Insulator Transition in Monolayer MoTe ₂ and W _{1-x} Mo _x Te ₂ Alloy. ACS Nano, 2016, 10, 7370-7375.	14.6	133
20	Phase stability of transition metal dichalcogenide by competing ligand field stabilization and charge density wave. 2D Materials, 2015, 2, 035019.	4.4	29
21	Air Stable p-Doping of WSe ₂ by Covalent Functionalization. ACS Nano, 2014, 8, 10808-10814.	14.6	208