Chenxi Zhang

List of Publications by Year
in descending order

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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	Covalent Nitrogen Doping and Compressive Strain in MoS₂ by Remote N₂ Plasma Exposure. Nano Letters, 2016, 16, 5437-5443.	9.1	323
2	Air Stable p-Doping of WSe₂ by Covalent Functionalization. ACS Nano, 2014, 8, 10808-10814.	14.6	208
3	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
4	Tuning the Electronic and Photonic Properties of Monolayer MoS₂ via In Situ Rhenium Substitutional Doping. Advanced Functional Materials, 2018, 28, 1706950.	14.9	137
5	Charge Mediated Reversible Metalâ€“Insulator Transition in Monolayer MoTe₂ and W_xMo_{1â€“x}Te₂ Alloy. ACS Nano, 2016, 10, 7370-7375.	14.6	133
6	Site-dependent multicomponent doping strategy for Ni-rich LiNi_{1â^'2y}Co_yMn_yO₂ (y = 1/12) cathode materials for Li-ion batteries. Journal of Materials Chemistry A, 2017, 5, 25303-25313.	10.3	119
7	Intrinsic air stability mechanisms of two-dimensional transition metal dichalcogenide surfaces: basal versus edge oxidation. 2D Materials, 2017, 4, 025050.	4.4	87
8	New Mo₆Te₆ Subâ€Nanometerâ€Diameter Nanowire Phase from 2Hâ€MoTe₂. Advanced Materials, 2017, 29, 1606264.	21.0	64
9	Obstacles toward unity efficiency of LiNi 1-2x Co x Mn x O 2 (xÂ=ÂÂ0Ââ^¼Â1/3) (NCM) cathode materials: Insights from ab initio calculations. Journal of Power Sources, 2017, 340, 217-228.	7.8	57
10	Ab Initio Study on Surface Segregation and Anisotropy of Ni-Rich LiNi_{1â€“2y}Co_yMn_yO₂ (NCM) (y â‰ 0.1) Cathodes. ACS Applied Materials & Interfaces, 2018, 10, 6673-6680.	8.0	50
11	Atomic and Electronic Structures of WTe₂ Probed by High Resolution Electron Microscopy and ab Initio Calculations. Journal of Physical Chemistry C, 2016, 120, 8364-8369.	3.1	37
12	Phase stability of transition metal dichalcogenide by competing ligand field stabilization and charge density wave. 2D Materials, 2015, 2, 035019.	4.4	29
13	Dislocation driven spiral and non-spiral growth in layered chalcogenides. Nanoscale, 2018, 10, 15023-15034.	5.6	24
14	Band Structure Engineering of Layered WSe₂ via One-Step Chemical Functionalization. ACS Nano, 2019, 13, 7545-7555.	14.6	21
15	Atomic Insights into Phase Evolution in Ternary Transitionâ€Metal Dichalcogenides Nanostructures. Small, 2018, 14, e1800780.	10.0	13
16	Structural and electronic phase transitions of MoTe 2 induced by Li ionic gating. 2D Materials, 2017, 4, 045012.	4.4	9
17	Giant renormalization of dopant impurity levels in 2D semiconductor MoS2. Scientific Reports, 2020, 10, 4938.	3.3	8
18	Charge-transfer modified embedded atom method dynamic charge potential for Liâ€“Coâ€“O system. Journal of Physics Condensed Matter, 2017, 29, 475903.	1.8	3

#	Article	IF	Citations
19	In Situ Heating Study of 2H-MoTe2 to Mo6Te6 Nanowire Phase Transition. Microscopy and Microanalysis, 2017, 23, 1764-1765.	0.4	2
20	2D Materials: Tuning the Electronic and Photonic Properties of Monolayer MoS2 via In Situ Rhenium Substitutional Doping (Adv. Funct. Mater. 16/2018). Advanced Functional Materials, 2018, 28, 1870105.	14.9	1
21	Enhanced P-Type Behavior in 2D WSe2 via Chemical Defect Engineering. , 2018, , .		0