

Thuc Hue Ly

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,794
citations

394286

19
h-index

302012

39
g-index

40
all docs

40
docs citations

40
times ranked

3781
citing authors

#	ARTICLE	IF	CITATIONS
1	Sub-Nanometer Electron Beam Phase Patterning in 2D Materials. <i>Advanced Science</i> , 2022, 9, .	5.6	11
2	Zwitterionic ultrathin covalent organic polymers for high-performance electrocatalytic carbon dioxide reduction. <i>Applied Catalysis B: Environmental</i> , 2021, 284, 119750.	10.8	35
3	Redox Photochemistry on Van Der Waals Surfaces for Reversible Doping in 2D Materials. <i>Advanced Functional Materials</i> , 2021, 31, 2009166.	7.8	9
4	Mechanical origin of martensite-like structures in two-dimensional ReS ₂ . <i>Communications Materials</i> , 2021, 2, .	2.9	4
5	Precision Chemistry in Two-Dimensional Materials: Adding, Removing, and Replacing the Atoms at Will. <i>Accounts of Materials Research</i> , 2021, 2, 863-868.	5.9	4
6	Unveiling the Critical Intermediate Stages During Chemical Vapor Deposition of Two-Dimensional Rhenium Diselenide. <i>Chemistry of Materials</i> , 2021, 33, 7039-7046.	3.2	1
7	Functional Grain Boundaries in Two-Dimensional Transition-Metal Dichalcogenides. <i>Accounts of Chemical Research</i> , 2021, 54, 4191-4202.	7.6	21
8	The Mobile and Pinned Grain Boundaries in 2D Monoclinic Rhenium Disulfide. <i>Advanced Science</i> , 2020, 7, 2001742.	5.6	15
9	Anomalous fracture in two-dimensional rhenium disulfide. <i>Science Advances</i> , 2020, 6, .	4.7	18
10	Site-specific electrical contacts with the two-dimensional materials. <i>Nature Communications</i> , 2020, 11, 3982.	5.8	16
11	Spontaneously Ordered Hierarchical Two-Dimensional Wrinkle Patterns in Two-Dimensional Materials. <i>Nano Letters</i> , 2020, 20, 8420-8425.	4.5	18
12	<i>In Situ</i> Scanning Transmission Electron Microscopy Observations of Fracture at the Atomic Scale. <i>Physical Review Letters</i> , 2020, 125, 246102.	2.9	34
13	Synchronized Structure and Surface Tension Measurement on Individual Secondary Aerosol Particles by Low-Voltage Transmission Electron Microscopy. <i>Environmental Science and Technology Letters</i> , 2020, 7, 560-566.	3.9	2
14	Catalyzed Kinetic Growth in Two-Dimensional MoS ₂ . <i>Journal of the American Chemical Society</i> , 2020, 142, 13130-13135.	6.6	41
15	Critical Stable Length in Wrinkles of Two-Dimensional Materials. <i>ACS Nano</i> , 2020, 14, 2137-2144.	7.3	30
16	Elastic straining of free-standing monolayer graphene. <i>Nature Communications</i> , 2020, 11, 284.	5.8	194
17	A Novel Class of Two-Dimensional Materials: ., 2020, , 6-1-6-25.		0
18	In ₂ S ₃ Quantum Dots: Preparation, Properties and Optoelectronic Application. <i>Nanoscale Research Letters</i> , 2019, 14, 161.	3.1	19

#	ARTICLE	IF	CITATIONS
19	Impact of Polar Edge Terminations of the Transition Metal Dichalcogenide Monolayers during Vapor Growth. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3575-3581.	1.5	6
20	Coating two-dimensional MoS ₂ with polymer creates a corrosive non-uniform interface. <i>Npj 2D Materials and Applications</i> , 2018, 2, .	3.9	19
21	Very high open-circuit voltage in dual-gate graphene/silicon heterojunction solar cells. <i>Nano Energy</i> , 2018, 53, 398-404.	8.2	11
22	Facile Doping in Two-Dimensional Transition-Metal Dichalcogenides by UV Light. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 29893-29901.	4.0	18
23	Dynamical observations on the crack tip zone and stress corrosion of two-dimensional MoS ₂ . <i>Nature Communications</i> , 2017, 8, 14116.	5.8	69
24	Superior Dielectric Screening in Two-Dimensional MoS ₂ Spirals. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 37941-37946.	4.0	5
25	Edge Delamination of Monolayer Transition Metal Dichalcogenides. <i>ACS Nano</i> , 2017, 11, 7534-7541.	7.3	47
26	Role of alkali metal promoter in enhancing lateral growth of monolayer transition metal dichalcogenides. <i>Nanotechnology</i> , 2017, 28, 36LT01.	1.3	56
27	Chain Vacancies in 2D Crystals. <i>Small</i> , 2017, 13, 1601930.	5.2	18
28	Optical Gain in MoS ₂ <i>via</i> Coupling with Nanostructured Substrate: Fabry-Pérot Interference and Plasmonic Excitation. <i>ACS Nano</i> , 2016, 10, 8192-8198.	7.3	69
29	Vertically Conductive MoS ₂ Spiral Pyramid. <i>Advanced Materials</i> , 2016, 28, 7723-7728.	11.1	63
30	Hyperdislocations in van der Waals Layered Materials. <i>Nano Letters</i> , 2016, 16, 7807-7813.	4.5	8
31	Misorientation-angle-dependent electrical transport across molybdenum disulfide grain boundaries. <i>Nature Communications</i> , 2016, 7, 10426.	5.8	172
32	Oxidation Effect in Octahedral Hafnium Disulfide Thin Film. <i>ACS Nano</i> , 2016, 10, 1309-1316.	7.3	97
33	Visualizing Point Defects in Transition-Metal Dichalcogenides Using Optical Microscopy. <i>ACS Nano</i> , 2016, 10, 770-777.	7.3	58
34	Two-dimensional membrane as elastic shell with proof on the folds revealed by three-dimensional atomic mapping. <i>Nature Communications</i> , 2015, 6, 8935.	5.8	59
35	Observing Grain Boundaries in CVD-Grown Monolayer Transition Metal Dichalcogenides. <i>ACS Nano</i> , 2014, 8, 11401-11408.	7.3	113
36	A strategy to overcome the limits of carbon-based materials as lithium-ion battery anodes. <i>Carbon</i> , 2014, 79, 563-571.	5.4	18

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37	Transferred wrinkled Al ₂ O ₃ for highly stretchable and transparent graphene-carbon nanotube transistors. <i>Nature Materials</i> , 2013, 12, 403-409.	13.3	295
38	Nondestructive Characterization of Graphene Defects. <i>Advanced Functional Materials</i> , 2013, 23, 5183-5189.	7.8	44
39	Tailoring oxidation of Al particles morphologically controlled by carbon nanotubes. <i>Energy</i> , 2013, 55, 1143-1151.	4.5	13
40	Chemically Doped Random Network Carbon Nanotube p-n Junction Diode for Rectifier. <i>ACS Nano</i> , 2011, 5, 9817-9823.	7.3	64