Kun Chen

List of Publications by Year
in descending order

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21	1,533	471061 17	713013 21
papers	citations	h-index	g-index

21	21	21	3177
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electronic Properties of MoS₂â€“WS₂ Heterostructures Synthesized with Two-Step Lateral Epitaxial Strategy. ACS Nano, 2015, 9, 9868-9876.	7.3	283
2	1Tâ€² Transition Metal Telluride Atomic Layers for Plasmon-Free SERS at Femtomolar Levels. Journal of the American Chemical Society, 2018, 140, 8696-8704.	6.6	192
3	Lateral Builtâ€in Potential of Monolayer MoS₂â€“WS₂ Inâ€Plane Heterostructures by a Shortcut Growth Strategy. Advanced Materials, 2015, 27, 6431-6437.	11.1	191
4	Centimeter-Scale CVD Growth of Highly Crystalline Single-Layer MoS₂ Film with Spatial Homogeneity and the Visualization of Grain Boundaries. ACS Applied Materials & Interfaces, 2017, 9, 12073-12081.	4.0	120
5	High-Quality Large-Area Graphene from Dehydrogenated Polycyclic Aromatic Hydrocarbons. Chemistry of Materials, 2012, 24, 3906-3915.	3.2	119
6	Graphene controlled Brewster angle device for ultra broadband terahertz modulation. Nature Communications, 2018, 9, 4909.	5.8	117
7	A Simple Method for Synthesis of Highâ€Quality Millimeterâ€Scale 1Tâ€² Transitionâ€Metal Telluride and Nearâ€Field Nanooptical Properties. Advanced Materials, 2017, 29, 1700704.	11.1	101
8	Epitaxial Stitching and Stacking Growth of Atomically Thin Transitionâ€Metal Dichalcogenides (TMDCs) Heterojunctions. Advanced Functional Materials, 2017, 27, 1603884.	7.8	73
9	Trapping and assembling of particles and live cells on large-scale random gold nano-island substrates. Scientific Reports, 2015, 5, 9978.	1.6	68
10	Synthesis and Characterization of Metallic Janus MoSH Monolayer. ACS Nano, 2021, 15, 20319-20331.	7.3	47
11	Controlled Electrochemical Deposition of Largeâ€Area MoS₂ on Graphene for Highâ€Responsivity Photodetectors. Advanced Functional Materials, 2017, 27, 1603998.	7.8	45
12	In Situ Ultrafast and Patterned Growth of Transition Metal Dichalcogenides from Inkjetâ€Printed Aqueous Precursors. Advanced Materials, 2021, 33, e2100260.	11.1	36
13	Controllable modulation of the electronic properties of graphene and silicene by interface engineering and pressure. Journal of Materials Chemistry C, 2013, 1, 4869.	2.7	28
14	Quantitative determination of scattering mechanism in large-area graphene on conventional and SAM-functionalized substrates at room temperature. Nanoscale, 2013, 5, 5784.	2.8	27
15	Enhanced Performance and Fermi-Level Estimation of Coronene-Derived Graphene Transistors on Self-Assembled Monolayer Modified Substrates in Large Areas. Journal of Physical Chemistry C, 2013, 117, 4800-4807.	1.5	27
16	Quantitative Analysis of Scattering Mechanisms in Highly Crystalline CVD MoS₂through a Self-Limited Growth Strategy by Interface Engineering. Small, 2016, 12, 438-445.	5.2	25
17	Facet-Dependent Property of Sequentially Deposited Perovskite Thin Films: Chemical Origin and Self-Annihilation. ACS Applied Materials & Interfaces, 2016, 8, 32366-32375.	4.0	19
18	Towards Scalable Fabrications and Applications of 2D Layered Material-based Vertical and Lateral Heterostructures. Chemical Research in Chinese Universities, 2020, 36, 525-550.	1.3	6

#	Article	IF	Citations
19	Optimization Strategies for High Photoluminescence Quantum Yield of Monolayer Chemical Vapor Deposition Transition Metal Dichalcogenides. ACS Applied Materials & Interfaces, 2021, 13, 44814-44823.	4.0	4
20	Inkjet-printed TMDCâ€“graphene heterostructures for flexible and broadband photodetectors. Journal of Applied Physics, 2022, 131, .	1.1	3
21	Probing Electronic Properties of CVD Monolayer Hexagonal Boron Nitride by an Atomic Force Microscope. Frontiers in Materials, 2021, 8, .	1.2	2