

# Kun Chen

## List of Publications by Year in descending order

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21  
papers

1,533  
citations

471061

17  
h-index

713013

21  
g-index

21  
all docs

21  
docs citations

21  
times ranked

3177  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Inkjet-printed TMDCs-graphene heterostructures for flexible and broadband photodetectors. Journal of Applied Physics, 2022, 131, .   | 1.1  | 3         |
| 2  | In Situ Ultrafast and Patterned Growth of Transition Metal Dichalcogenides from Inkjet-Printed Aqueous Precursors. Advanced Materials, 2021, 33, e2100260.   | 11.1 | 36        |
| 3  | Probing Electronic Properties of CVD Monolayer Hexagonal Boron Nitride by an Atomic Force Microscope. Frontiers in Materials, 2021, 8, .   | 1.2  | 2         |
| 4  | 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         |
| 5  | Synthesis and Characterization of Metallic Janus MoSH Monolayer. ACS Nano, 2021, 15, 20319-20331.  | 7.3  | 47        |
| 6  | 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         |
| 7  | 1T <sup>2</sup> 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       |
| 8  | Graphene controlled Brewster angle device for ultra broadband terahertz modulation. Nature Communications, 2018, 9, 4909.  | 5.8  | 117       |
| 9  | Epitaxial Stitching and Stacking Growth of Atomically Thin Transition-Metal Dichalcogenides (TMDCs) Heterojunctions. Advanced Functional Materials, 2017, 27, 1603884.   | 7.8  | 73        |
| 10 | Controlled Electrochemical Deposition of Large-Area MoS <sub>2</sub> on Graphene for High-Responsivity Photodetectors. Advanced Functional Materials, 2017, 27, 1603998.   | 7.8  | 45        |
| 11 | Centimeter-Scale CVD Growth of Highly Crystalline Single-Layer MoS <sub>2</sub> Film with Spatial Homogeneity and the Visualization of Grain Boundaries. ACS Applied Materials & Interfaces, 2017, 9, 12073-12081. | 4.0  | 120       |
| 12 | A Simple Method for Synthesis of High-Quality Millimeter-Scale 1T <sup>2</sup> Transition-Metal Telluride and Near-Field Nano-optical Properties. Advanced Materials, 2017, 29, 1700704.                           | 11.1 | 101       |
| 13 | Quantitative Analysis of Scattering Mechanisms in Highly Crystalline CVD MoS <sub>2</sub> through a Self-Limited Growth Strategy by Interface Engineering. Small, 2016, 12, 438-445.                               | 5.2  | 25        |
| 14 | 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        |
| 15 | Lateral Built-in Potential of Monolayer MoS <sub>2</sub> -WS <sub>2</sub> In-Plane Heterostructures by a Shortcut Growth Strategy. Advanced Materials, 2015, 27, 6431-6437.  | 11.1 | 191       |
| 16 | Trapping and assembling of particles and live cells on large-scale random gold nano-island substrates. Scientific Reports, 2015, 5, 9978.  | 1.6  | 68        |
| 17 | Electronic Properties of MoS <sub>2</sub> -WS <sub>2</sub> Heterostructures Synthesized with Two-Step Lateral Epitaxial Strategy. ACS Nano, 2015, 9, 9868-9876.  | 7.3  | 283       |
| 18 | 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        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Quantitative determination of scattering mechanism in large-area graphene on conventional and SAM-functionalized substrates at room temperature. <i>Nanoscale</i> , 2013, 5, 5784.                                      | 2.8 | 27        |
| 20 | Enhanced Performance and Fermi-Level Estimation of Coronene-Derived Graphene Transistors on Self-Assembled Monolayer Modified Substrates in Large Areas. <i>Journal of Physical Chemistry C</i> , 2013, 117, 4800-4807. | 1.5 | 27        |
| 21 | High-Quality Large-Area Graphene from Dehydrogenated Polycyclic Aromatic Hydrocarbons. <i>Chemistry of Materials</i> , 2012, 24, 3906-3915.   | 3.2 | 119       |