

Qingqing Ji

List of Publications by Year in descending order

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Controlled Growth of High-Quality Monolayer WS ₂ Layers on Sapphire and Imaging Its Grain Boundary. ACS Nano, 2013, 7, 8963-8971.	14.6	696
2	Epitaxial Monolayer MoS ₂ on Mica with Novel Photoluminescence. Nano Letters, 2013, 13, 3870-3877.	9.1	512
3	Controllable Growth and Transfer of Monolayer MoS ₂ on Au Foils and Its Potential Application in Hydrogen Evolution Reaction. ACS Nano, 2014, 8, 10196-10204.	14.6	404
4	Chemical vapour deposition of group-VIB metal dichalcogenide monolayers: engineered substrates from amorphous to single crystalline. Chemical Society Reviews, 2015, 44, 2587-2602.	38.1	334
5	Metallic Vanadium Disulfide Nanosheets as a Platform Material for Multifunctional Electrode Applications. Nano Letters, 2017, 17, 4908-4916.	9.1	230
6	Temperature-triggered chemical switching growth of in-plane and vertically stacked graphene-boron nitride heterostructures. Nature Communications, 2015, 6, 6835.	12.8	191
7	Van der Waals Epitaxial Growth of 2D Metallic Vanadium Diselenide Single Crystals and their Extra-High Electrical Conductivity. Advanced Materials, 2017, 29, 1702359.	21.0	191
8	Temperature-Mediated Selective Growth of MoS ₂ /WS ₂ and WS ₂ /MoS ₂ Vertical Stacks on Au Foils for Direct Photocatalytic Applications. Advanced Materials, 2016, 28, 10664-10672.	21.0	188
9	Defect-like Structures of Graphene on Copper Foils for Strain Relief Investigated by High-Resolution Scanning Tunneling Microscopy. ACS Nano, 2011, 5, 4014-4022.	14.6	186
10	Dendritic, Transferable, Strictly Monolayer MoS ₂ Flakes Synthesized on SrTiO ₃ Single Crystals for Efficient Electrocatalytic Applications. ACS Nano, 2014, 8, 8617-8624.	14.6	158
11	Unravelling Orientation Distribution and Merging Behavior of Monolayer MoS ₂ Domains on Sapphire. Nano Letters, 2015, 15, 198-205.	9.1	136
12	All Chemical Vapor Deposition Synthesis and Intrinsic Bandgap Observation of MoS ₂ /Graphene Heterostructures. Advanced Materials, 2015, 27, 7086-7092.	21.0	132
13	Kinetic Nature of Grain Boundary Formation in As-Grown MoS ₂ Monolayers. Advanced Materials, 2015, 27, 4069-4074.	21.0	130
14	Direct low-temperature synthesis of graphene on various glasses by plasma-enhanced chemical vapor deposition for versatile, cost-effective electrodes. Nano Research, 2015, 8, 3496-3504.	10.4	112
15	Recent progress in the tailored growth of two-dimensional hexagonal boron nitride <i>via</i> chemical vapour deposition. Chemical Society Reviews, 2018, 47, 4242-4257.	38.1	107
16	Substrate Facet Effect on the Growth of Monolayer MoS ₂ on Au Foils. ACS Nano, 2015, 9, 4017-4025.	14.6	97
17	A universal etching-free transfer of MoS ₂ films for applications in photodetectors. Nano Research, 2015, 8, 3662-3672.	10.4	94
18	Growing three-dimensional biomorphic graphene powders using naturally abundant diatomite templates towards high solution processability. Nature Communications, 2016, 7, 13440.	12.8	93

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19	Chemical vapor deposition of monolayer WS ₂ nanosheets on Au foils toward direct application in hydrogen evolution. <i>Nano Research</i> , 2015, 8, 2881-2890.	10.4	91
20	Direct Chemical Vapor Deposition Growth and Band-Gap Characterization of MoS ₂ /h-BN van der Waals Heterostructures on Au Foils. <i>ACS Nano</i> , 2017, 11, 4328-4336.	14.6	87
21	Synthetic Lateral Metal-Semiconductor Heterostructures of Transition Metal Disulfides. <i>Journal of the American Chemical Society</i> , 2018, 140, 12354-12358.	13.7	85
22	Enhancement of van der Waals Interlayer Coupling through Polar Janus MoSSe. <i>Journal of the American Chemical Society</i> , 2020, 142, 17499-17507.	13.7	80
23	Multifunctional PVDF/CNT/GO mixed matrix membranes for ultrafiltration and fouling detection. <i>Journal of Hazardous Materials</i> , 2020, 384, 120978.	12.4	76
24	Monolayer MoS ₂ Growth on Au Foils and On-Site Domain Boundary Imaging. <i>Advanced Functional Materials</i> , 2015, 25, 842-849.	14.9	66
25	Monolayer MoS ₂ Dendrites on a Symmetry-Disparate SrTiO ₃ (001) Substrate: Formation Mechanism and Interface Interaction. <i>Advanced Functional Materials</i> , 2016, 26, 3299-3305.	14.9	62
26	Thinning Segregated Graphene Layers on High Carbon Solubility Substrates of Rhodium Foils by Tuning the Quenching Process. <i>ACS Nano</i> , 2012, 6, 10581-10589.	14.6	61
27	Growing highly pure semiconducting carbon nanotubes by electrotwisting the helicity. <i>Nature Catalysis</i> , 2018, 1, 326-331.	34.4	61
28	Morphological Engineering of CVD-Grown Transition Metal Dichalcogenides for Efficient Electrochemical Hydrogen Evolution. <i>Advanced Materials</i> , 2016, 28, 6207-6212.	21.0	58
29	Physical properties and potential applications of two-dimensional metallic transition metal dichalcogenides. <i>Coordination Chemistry Reviews</i> , 2018, 376, 1-19.	18.8	49
30	Additive manufacturing of patterned 2D semiconductor through recyclable masked growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 3437-3442.	7.1	46
31	Recent Advances in Controlling Syntheses and Energy Related Applications of MX ₂ and MX ₂ /Graphene Heterostructures. <i>Advanced Energy Materials</i> , 2016, 6, 1600459.	19.5	43
32	Tuning the photo-response in monolayer MoS ₂ by plasmonic nano-antenna. <i>Scientific Reports</i> , 2016, 6, 23626.	3.3	43
33	Anomalous Hall effect and magnetic orderings in nanothick V_5S_8 . <i>Physical Review B</i> , 2017, 96, .	3.2	43
34	Designing artificial two-dimensional landscapes via atomic-layer substitution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	43
35	Periodic Modulation of the Doping Level in Striped MoS ₂ Superstructures. <i>ACS Nano</i> , 2016, 10, 3461-3468.	14.6	37
36	Clean transfer of graphene on Pt foils mediated by a carbon monoxide intercalation process. <i>Nano Research</i> , 2013, 6, 671-678.	10.4	35

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37	Tuning Excitonic Properties of Monolayer MoS ₂ with Microsphere Cavity by High-Throughput Chemical Vapor Deposition Method. <i>Small</i> , 2017, 13, 1701694.	10.0	35
38	Chirality-Dependent Second Harmonic Generation of MoS ₂ Nanoscroll with Enhanced Efficiency. <i>ACS Nano</i> , 2020, 14, 13333-13342.	14.6	34
39	Narrow-Gap Quantum Wires Arising from the Edges of Monolayer MoS ₂ Synthesized on Graphene. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600332.	3.7	30
40	Vanadium Diselenide Single Crystals: Van der Waals Epitaxial Growth of 2D Metallic Vanadium Diselenide Single Crystals and their Extra-High Electrical Conductivity (<i>Adv. Mater.</i> 37/2017). <i>Advanced Materials</i> , 2017, 29, .	21.0	26
41	Bioinspired synthesis of CVD graphene flakes and graphene-supported molybdenum sulfide catalysts for hydrogen evolution reaction. <i>Nano Research</i> , 2016, 9, 249-259.	10.4	24
42	Soft-lock drawing of super-aligned carbon nanotube bundles for nanometre electrical contacts. <i>Nature Nanotechnology</i> , 2022, 17, 278-284.	31.5	24
43	In Situ-Generated Volatile Precursor for CVD Growth of a Semimetallic 2D Dichalcogenide. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 34401-34408.	8.0	23
44	Mn atomic layers under inert covers of graphene and hexagonal boron nitride prepared on Rh(111). <i>Nano Research</i> , 2013, 6, 887-896.	10.4	22
45	Substrate effect on the growth of monolayer dendritic MoS ₂ on LaAlO ₃ (100) and its electrocatalytic applications. <i>2D Materials</i> , 2016, 3, 035001.	4.4	22
46	Single and Polycrystalline Graphene on Rh(111) Following Different Growth Mechanisms. <i>Small</i> , 2013, 9, 1360-1366.	10.0	21
47	Direct Observation of Symmetry-Dependent Electron-Phonon Coupling in Black Phosphorus. <i>Journal of the American Chemical Society</i> , 2019, 141, 18994-19001.	13.7	21
48	Crumpled graphene prepared by a simple ultrasonic pyrolysis method for fast photodetection. <i>Carbon</i> , 2018, 128, 117-124.	10.3	19
49	Uniform single-layer graphene growth on recyclable tungsten foils. <i>Nano Research</i> , 2015, 8, 592-599.	10.4	18
50	Modulating the Electronic Properties of Monolayer Graphene Using a Periodic Quasi-One-Dimensional Potential Generated by Hex-Reconstructed Au(001). <i>ACS Nano</i> , 2016, 10, 7550-7557.	14.6	18
51	An ultrafast terahertz probe of the transient evolution of the charged and neutral phase of photo-excited electron-hole gas in a monolayer semiconductor. <i>2D Materials</i> , 2016, 3, 014001.	4.4	18
52	Revealing the Brønsted-Evans-Polanyi relation in halide-activated fast MoS ₂ growth toward millimeter-sized 2D crystals. <i>Science Advances</i> , 2021, 7, eabj3274.	10.3	18
53	High-Quality Monolayer Graphene Synthesis on Pd Foils via the Suppression of Multilayer Growth at Grain Boundaries. <i>Small</i> , 2014, 10, 4003-4011.	10.0	16
54	Transformation of monolayer MoS ₂ into multiphasic MoTe ₂ : Chalcogen atom-exchange synthesis route. <i>Nano Research</i> , 2017, 10, 2761-2771.	10.4	13

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55	Molybdenum Disulfide: Kinetic Nature of Grain Boundary Formation in As-Grown MoS ₂ Monolayers (Adv. Mater. 27/2015). Advanced Materials, 2015, 27, 3974-3974.	21.0	4
56	Graphene: Single and Polycrystalline Graphene on Rh(111) Following Different Growth Mechanisms (Small 8/2013). Small, 2013, 9, 1359-1359.	10.0	3
57	Anomalous heavy doping in chemical-vapor-deposited titanium trisulfide nanostructures. Physical Review Materials, 2021, 5, .	2.4	3
58	Monolayer Films: Monolayer MoS ₂ Growth on Au Foils and On-Site Domain Boundary Imaging (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	24.9	2
59	Transition Metal Dichalcogenides: Morphological Engineering of CVD-Grown Transition Metal Dichalcogenides for Efficient Electrochemical Hydrogen Evolution (Adv. Mater. 29/2016). Advanced Materials, 2016, 28, 6020-6020.	21.0	1
60	Graphene Heterostructures: Recent Advances in Controlling Syntheses and Energy Related Applications of MX ₂ and MX ₂ /Graphene Heterostructures (Adv. Energy Mater. 17/2016). Advanced Energy Materials, 2016, 6, .	19.5	0