

# Qingqing Ji

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/251653/qingqing-ji-publications-by-year.pdf>

**Version:** 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

57 papers	4,302 citations	31 h-index	63 g-index
63 ext. papers	4,949 ext. citations	16.3 avg, IF	5.12 L-index

#	Paper	IF	Citations
57	Revealing the Brüsted-Evans-Polanyi relation in halide-activated fast MoS growth toward millimeter-sized 2D crystals. <i>Science Advances</i> , <b>2021</b> , 7, eabj3274	14.3	1
56	Designing artificial two-dimensional landscapes via atomic-layer substitution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	9
55	Enhancement of van der Waals Interlayer Coupling through Polar Janus MoSSe. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 17499-17507	16.4	23
54	Chirality-Dependent Second Harmonic Generation of MoS Nanoscroll with Enhanced Efficiency. <i>ACS Nano</i> , <b>2020</b> , 14, 13333-13342	16.7	11
53	Multifunctional PVDF/CNT/GO mixed matrix membranes for ultrafiltration and fouling detection. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 384, 120978	12.8	41
52	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> , <b>2019</b> , 116, 3437-3442	11.5	25
51	Direct Observation of Symmetry-Dependent Electron-Phonon Coupling in Black Phosphorus. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 18994-19001	16.4	10
50	Growing highly pure semiconducting carbon nanotubes by electrotwisting the helicity. <i>Nature Catalysis</i> , <b>2018</b> , 1, 326-331	36.5	42
49	Recent progress in the tailored growth of two-dimensional hexagonal boron nitride via chemical vapour deposition. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 4242-4257	58.5	70
48	Physical properties and potential applications of two-dimensional metallic transition metal dichalcogenides. <i>Coordination Chemistry Reviews</i> , <b>2018</b> , 376, 1-19	23.2	31
47	Crumpled graphene prepared by a simple ultrasonic pyrolysis method for fast photodetection. <i>Carbon</i> , <b>2018</b> , 128, 117-124	10.4	16
46	In Situ-Generated Volatile Precursor for CVD Growth of a Semimetallic 2D Dichalcogenide. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 34401-34408	9.5	15
45	Synthetic Lateral Metal-Semiconductor Heterostructures of Transition Metal Disulfides. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 12354-12358	16.4	60
44	Transformation of monolayer MoS <sub>2</sub> into multiphasic MoTe <sub>2</sub> : Chalcogen atom-exchange synthesis route. <i>Nano Research</i> , <b>2017</b> , 10, 2761-2771	10	11
43	Direct Chemical Vapor Deposition Growth and Band-Gap Characterization of MoS/h-BN van der Waals Heterostructures on Au Foils. <i>ACS Nano</i> , <b>2017</b> , 11, 4328-4336	16.7	66
42	Vanadium Diselenide Single Crystals: Van der Waals Epitaxial Growth of 2D Metallic Vanadium Diselenide Single Crystals and their Extra-High Electrical Conductivity (Adv. Mater. 37/2017). <i>Advanced Materials</i> , <b>2017</b> , 29,	24	16
41	Tuning Excitonic Properties of Monolayer MoS with Microsphere Cavity by High-Throughput Chemical Vapor Deposition Method. <i>Small</i> , <b>2017</b> , 13, 1701694	11	26

40	Metallic Vanadium Disulfide Nanosheets as a Platform Material for Multifunctional Electrode Applications. <i>Nano Letters</i> , <b>2017</b> , 17, 4908-4916	11.5	155
39	Anomalous Hall effect and magnetic orderings in nanothick V5S8. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	28
38	Van der Waals Epitaxial Growth of 2D Metallic Vanadium Diselenide Single Crystals and their Extra-High Electrical Conductivity. <i>Advanced Materials</i> , <b>2017</b> , 29, 1702359	24	135
37	Growing three-dimensional biomorphic graphene powders using naturally abundant diatomite templates towards high solution processability. <i>Nature Communications</i> , <b>2016</b> , 7, 13440	17.4	71
36	Tuning the photo-response in monolayer MoS2 by plasmonic nano-antenna. <i>Scientific Reports</i> , <b>2016</b> , 6, 23626	4.9	35
35	Morphological Engineering of CVD-Grown Transition Metal Dichalcogenides for Efficient Electrochemical Hydrogen Evolution. <i>Advanced Materials</i> , <b>2016</b> , 28, 6207-12	24	43
34	Bioinspired synthesis of CVD graphene flakes and graphene-supported molybdenum sulfide catalysts for hydrogen evolution reaction. <i>Nano Research</i> , <b>2016</b> , 9, 249-259	10	20
33	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> , <b>2016</b> , 3, 014001	5.9	16
32	Periodic Modulation of the Doping Level in Striped MoS2 Superstructures. <i>ACS Nano</i> , <b>2016</b> , 10, 3461-8	16.7	26
31	Substrate effect on the growth of monolayer dendritic MoS2 on LaAlO3 (100) and its electrocatalytic applications. <i>2D Materials</i> , <b>2016</b> , 3, 035001	5.9	20
30	Monolayer MoS2 Dendrites on a Symmetry-Disparate SrTiO3 (001) Substrate: Formation Mechanism and Interface Interaction. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 3299-3305	15.6	44
29	Recent Advances in Controlling Syntheses and Energy Related Applications of MX2 and MX2/Graphene Heterostructures. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1600459	21.8	35
28	Temperature-Mediated Selective Growth of MoS2/WS2 and WS2/MoS2 Vertical Stacks on Au Foils for Direct Photocatalytic Applications. <i>Advanced Materials</i> , <b>2016</b> , 28, 10664-10672	24	142
27	Transition Metal Dichalcogenides: Morphological Engineering of CVD-Grown Transition Metal Dichalcogenides for Efficient Electrochemical Hydrogen Evolution (Adv. Mater. 29/2016). <i>Advanced Materials</i> , <b>2016</b> , 28, 6020	24	1
26	Modulating the Electronic Properties of Monolayer Graphene Using a Periodic Quasi-One-Dimensional Potential Generated by Hex-Reconstructed Au(001). <i>ACS Nano</i> , <b>2016</b> , 10, 7550-7	16.7	16
25	Narrow-Gap Quantum Wires Arising from the Edges of Monolayer MoS2 Synthesized on Graphene. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1600332	4.6	23
24	Uniform single-layer graphene growth on recyclable tungsten foils. <i>Nano Research</i> , <b>2015</b> , 8, 592-599	10	18
23	Chemical vapor deposition of monolayer WS2 nanosheets on Au foils toward direct application in hydrogen evolution. <i>Nano Research</i> , <b>2015</b> , 8, 2881-2890	10	75

22	Temperature-triggered chemical switching growth of in-plane and vertically stacked graphene-boron nitride heterostructures. <i>Nature Communications</i> , <b>2015</b> , 6, 6835	17.4	169
21	A universal etching-free transfer of MoS <sub>2</sub> films for applications in photodetectors. <i>Nano Research</i> , <b>2015</b> , 8, 3662-3672	10	72
20	Direct low-temperature synthesis of graphene on various glasses by plasma-enhanced chemical vapor deposition for versatile, cost-effective electrodes. <i>Nano Research</i> , <b>2015</b> , 8, 3496-3504	10	98
19	Monolayer MoS <sub>2</sub> Growth on Au Foils and On-Site Domain Boundary Imaging. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 842-849	15.6	59
18	Unravelling orientation distribution and merging behavior of monolayer MoS <sub>2</sub> domains on sapphire. <i>Nano Letters</i> , <b>2015</b> , 15, 198-205	11.5	110
17	Chemical vapour deposition of group-VIB metal dichalcogenide monolayers: engineered substrates from amorphous to single crystalline. <i>Chemical Society Reviews</i> , <b>2015</b> , 44, 2587-602	58.5	271
16	Molybdenum Disulfide: Kinetic Nature of Grain Boundary Formation in As-Grown MoS <sub>2</sub> Monolayers (Adv. Mater. 27/2015). <i>Advanced Materials</i> , <b>2015</b> , 27, 3974-3974	24	4
15	All Chemical Vapor Deposition Synthesis and Intrinsic Bandgap Observation of MoS <sub>2</sub> /Graphene Heterostructures. <i>Advanced Materials</i> , <b>2015</b> , 27, 7086-92	24	100
14	Kinetic Nature of Grain Boundary Formation in As-Grown MoS <sub>2</sub> Monolayers. <i>Advanced Materials</i> , <b>2015</b> , 27, 4069-74	24	110
13	Substrate Facet Effect on the Growth of Monolayer MoS <sub>2</sub> on Au Foils. <i>ACS Nano</i> , <b>2015</b> , 9, 4017-25	16.7	78
12	Monolayer Films: Monolayer MoS <sub>2</sub> Growth on Au Foils and On-Site Domain Boundary Imaging (Adv. Funct. Mater. 6/2015). <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 826-826	15.6	2
11	Dendritic, transferable, strictly monolayer MoS <sub>2</sub> flakes synthesized on SrTiO <sub>3</sub> single crystals for efficient electrocatalytic applications. <i>ACS Nano</i> , <b>2014</b> , 8, 8617-24	16.7	140
10	Controllable growth and transfer of monolayer MoS <sub>2</sub> on Au foils and its potential application in hydrogen evolution reaction. <i>ACS Nano</i> , <b>2014</b> , 8, 10196-204	16.7	351
9	High-quality monolayer graphene synthesis on Pd foils via the suppression of multilayer growth at grain boundaries. <i>Small</i> , <b>2014</b> , 10, 4003-11	11	16
8	Epitaxial monolayer MoS <sub>2</sub> on mica with novel photoluminescence. <i>Nano Letters</i> , <b>2013</b> , 13, 3870-7	11.5	456
7	Clean transfer of graphene on Pt foils mediated by a carbon monoxide intercalation process. <i>Nano Research</i> , <b>2013</b> , 6, 671-678	10	33
6	Mn atomic layers under inert covers of graphene and hexagonal boron nitride prepared on Rh(111). <i>Nano Research</i> , <b>2013</b> , 6, 887-896	10	21
5	Controlled growth of high-quality monolayer WS <sub>2</sub> layers on sapphire and imaging its grain boundary. <i>ACS Nano</i> , <b>2013</b> , 7, 8963-71	16.7	586

4	Single and polycrystalline graphene on Rh(111) following different growth mechanisms. <i>Small</i> , <b>2013</b> , 9, 1360-6	11	20
3	Graphene: Single and Polycrystalline Graphene on Rh(111) Following Different Growth Mechanisms (Small 8/2013). <i>Small</i> , <b>2013</b> , 9, 1359-1359	11	3
2	Thinning segregated graphene layers on high carbon solubility substrates of rhodium foils by tuning the quenching process. <i>ACS Nano</i> , <b>2012</b> , 6, 10581-9	16.7	57
1	Defect-like structures of graphene on copper foils for strain relief investigated by high-resolution scanning tunneling microscopy. <i>ACS Nano</i> , <b>2011</b> , 5, 4014-22	16.7	165