

# Donglin

## List of Publications by Year in Descending Order

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

38  
papers

3,383  
citations

25  
h-index

38  
g-index

38  
ext. papers

3,740  
ext. citations

11.2  
avg, IF

4.59  
L-index

#	Paper	IF	Citations
38	Lattice-Matched Metal-Semiconductor Heterointerface in Monolayer CuTe. <i>ACS Nano</i> , <b>2021</b> , 15, 3415-3422.	12.7	8
37	Cell-Like Behaviors of Dynamic Graphene Bubbles with Fast Water Transport. <i>ACS Omega</i> , <b>2020</b> , 5, 28249-28254	3.9	254
36	Particle-Catalyst-Free Vapor-Liquid-Solid Growth of Millimeter-Scale Crystalline Compound Semiconductors on Nonepitaxial Substrates. <i>ACS Omega</i> , <b>2020</b> , 5, 9550-9557	3.9	
35	Scanning tunneling microscopy study of the quasicrystalline 30° twisted bilayer graphene. <i>2D Materials</i> , <b>2019</b> , 6, 045041	5.9	14
34	Controlled synthesis of 2D MoC/graphene heterostructure on liquid Au substrates as enhanced electrocatalytic electrodes. <i>Nanotechnology</i> , <b>2019</b> , 30, 385601	3.4	28
33	Scanning tunneling microscopy and spectroscopy of twisted trilayer graphene. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	17
32	Controlling the dendritic structure and the photo-electrocatalytic properties of highly crystalline MoS <sub>2</sub> on sapphire substrate. <i>2D Materials</i> , <b>2018</b> , 5, 031015	5.9	9
31	Modulating the Electronic Properties of Graphene by Self-Organized Sulfur Identical Nanoclusters and Atomic Superlattices Confined at an Interface. <i>ACS Nano</i> , <b>2018</b> , 12, 10984-10991	16.7	14
30	Temperature-Triggered Sulfur Vacancy Evolution in Monolayer MoS <sub>2</sub> /Graphene Heterostructures. <i>Small</i> , <b>2017</b> , 13, 1602967	11	43
29	One-step synthesis of van der Waals heterostructures of graphene and two-dimensional superconducting Mo <sub>2</sub> C. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	40
28	Seed-Assisted Growth of Single-Crystalline Patterned Graphene Domains on Hexagonal Boron Nitride by Chemical Vapor Deposition. <i>Nano Letters</i> , <b>2016</b> , 16, 6109-6116	11.5	56
27	Direct Chemical-Vapor-Deposition-Fabricated, Large-Scale Graphene Glass with High Carrier Mobility and Uniformity for Touch Panel Applications. <i>ACS Nano</i> , <b>2016</b> , 10, 11136-11144	16.7	56
26	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
25	Periodic Modulation of the Doping Level in Striped MoS <sub>2</sub> Superstructures. <i>ACS Nano</i> , <b>2016</b> , 10, 3461-8	16.7	26
24	Narrow-Gap Quantum Wires Arising from the Edges of Monolayer MoS <sub>2</sub> Synthesized on Graphene. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1600332	4.6	23
23	Chemical vapor deposition of monolayer WS <sub>2</sub> nanosheets on Au foils toward direct application in hydrogen evolution. <i>Nano Research</i> , <b>2015</b> , 8, 2881-2890	10	75
22	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

21	Chemical vapor deposition growth of large-scale hexagonal boron nitride with controllable orientation. <i>Nano Research</i> , <b>2015</b> , 8, 3164-3176	10	131
20	Controllable synthesis of graphene using novel aromatic 1,3,5-triethynylbenzene molecules on Rh(111). <i>RSC Advances</i> , <b>2015</b> , 5, 76620-76625	3.7	6
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	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
16	Growing Uniform Graphene Disks and Films on Molten Glass for Heating Devices and Cell Culture. <i>Advanced Materials</i> , <b>2015</b> , 27, 7839-46	24	102
15	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
14	Controllable Growth of MoS <sub>2</sub> on Au Foils and Its Application in Hydrogen Evolution. <i>Acta Chimica Sinica</i> , <b>2015</b> , 73, 877	3.3	5
13	Direct growth of high-quality graphene on high-dielectric SrTiO <sub>3</sub> substrates. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 6574-7	16.4	119
12	Quasi-freestanding monolayer heterostructure of graphene and hexagonal boron nitride on Ir(111) with a zigzag boundary. <i>Nano Letters</i> , <b>2014</b> , 14, 6342-7	11.5	108
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	Toward single-layer uniform hexagonal boron nitride-graphene patchworks with zigzag linking edges. <i>Nano Letters</i> , <b>2013</b> , 13, 3439-43	11.5	216
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	Fabrication of Monodisperse CeO <sub>2</sub> Hollow Spheres Assembled by Nano-octahedra. <i>Crystal Growth and Design</i> , <b>2010</b> , 10, 291-295	3.5	117