# Donglin

## List of Publications by Citations



| 38 | 3,383 | 25 | 38 |
|---|---|---|---|
| papers | citations | h-index | g-index |
| 38 | 3,740 | 11.2 | 4.59 |
| ext. papers | ext. citations | avg, IF | L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 38 | Controlled growth of high-quality monolayer WS2 layers on sapphire and imaging its grain boundary. *ACS Nano*, **2013**, 7, 8963-71 | 16.7 | 586 |
| 37 | Epitaxial monolayer MoS2 on mica with novel photoluminescence. *Nano Letters*, **2013**, 13, 3870-7 | 11.5 | 456 |
| 36 | Controllable growth and transfer of monolayer MoS2 on Au foils and its potential application in hydrogen evolution reaction. *ACS Nano*, **2014**, 8, 10196-204 | 16.7 | 351 |
| 35 | Toward single-layer uniform hexagonal boron nitride-graphene patchworks with zigzag linking edges. *Nano Letters*, **2013**, 13, 3439-43 | 11.5 | 216 |
| 34 | Dendritic, transferable, strictly monolayer MoS2 flakes synthesized on SrTiO3 single crystals for efficient electrocatalytic applications. *ACS Nano*, **2014**, 8, 8617-24 | 16.7 | 140 |
| 33 | Chemical vapor deposition growth of large-scale hexagonal boron nitride with controllable orientation. *Nano Research*, **2015**, 8, 3164-3176 | 10 | 131 |
| 32 | Direct growth of high-quality graphene on high-□dielectric SrTiO□substrates. *Journal of the American Chemical Society*, **2014**, 136, 6574-7 | 16.4 | 119 |
| 31 | Fabrication of Monodisperse CeO2 Hollow Spheres Assembled by Nano-octahedra. *Crystal Growth and Design*, **2010**, 10, 291-295 | 3.5 | 117 |
| 30 | Unravelling orientation distribution and merging behavior of monolayer MoS2 domains on sapphire. *Nano Letters*, **2015**, 15, 198-205 | 11.5 | 110 |
| 29 | Quasi-freestanding monolayer heterostructure of graphene and hexagonal boron nitride on Ir(111) with a zigzag boundary. *Nano Letters*, **2014**, 14, 6342-7 | 11.5 | 108 |
| 28 | Growing Uniform Graphene Disks and Films on Molten Glass for Heating Devices and Cell Culture. *Advanced Materials*, **2015**, 27, 7839-46 | 24 | 102 |
| 27 | All Chemical Vapor Deposition Synthesis and Intrinsic Bandgap Observation of MoS2 /Graphene Heterostructures. *Advanced Materials*, **2015**, 27, 7086-92 | 24 | 100 |
| 26 | Substrate Facet Effect on the Growth of Monolayer MoS2 on Au Foils. *ACS Nano*, **2015**, 9, 4017-25 | 16.7 | 78 |
| 25 | Chemical vapor deposition of monolayer WS2 nanosheets on Au foils toward direct application in hydrogen evolution. *Nano Research*, **2015**, 8, 2881-2890 | 10 | 75 |
| 24 | A universal etching-free transfer of MoS2 films for applications in photodetectors. *Nano Research*, **2015**, 8, 3662-3672 | 10 | 72 |
| 23 | Growing three-dimensional biomorphic graphene powders using naturally abundant diatomite templates towards high solution processability. *Nature Communications*, **2016**, 7, 13440 | 17.4 | 71 |
| 22 | Monolayer MoS2 Growth on Au Foils and On-Site Domain Boundary Imaging. *Advanced Functional Materials*, **2015**, 25, 842-849 | 15.6 | 59 |

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|---|---|---|---|
| 21 | Thinning segregated graphene layers on high carbon solubility substrates of rhodium foils by tuning the quenching process. *ACS Nano*, **2012**, 6, 10581-9 | 16.7 | 57 |
| 20 | Seed-Assisted Growth of Single-Crystalline Patterned Graphene Domains on Hexagonal Boron Nitride by Chemical Vapor Deposition. *Nano Letters*, **2016**, 16, 6109-6116 | 11.5 | 56 |
| 19 | Direct Chemical-Vapor-Deposition-Fabricated, Large-Scale Graphene Glass with High Carrier Mobility and Uniformity for Touch Panel Applications. *ACS Nano*, **2016**, 10, 11136-11144 | 16.7 | 56 |
| 18 | Temperature-Triggered Sulfur Vacancy Evolution in Monolayer MoS /Graphene Heterostructures. *Small*, **2017**, 13, 1602967 | 11 | 43 |
| 17 | One-step synthesis of van der Waals heterostructures of graphene and two-dimensional superconducting Mo2C. *Physical Review B*, **2017**, 95, | 3.3 | 40 |
| 16 | Clean transfer of graphene on Pt foils mediated by a carbon monoxide intercalation process. *Nano Research*, **2013**, 6, 671-678 | 10 | 33 |
| 15 | Controlled synthesis of 2D MoC/graphene heterostructure on liquid Au substrates as enhanced electrocatalytic electrodes. *Nanotechnology*, **2019**, 30, 385601 | 3.4 | 28 |
| 14 | Periodic Modulation of the Doping Level in Striped MoS Superstructures. *ACS Nano*, **2016**, 10, 3461-8 | 16.7 | 26 |
| 13 | Narrow-Gap Quantum Wires Arising from the Edges of Monolayer MoS2 Synthesized on Graphene. *Advanced Materials Interfaces*, **2016**, 3, 1600332 | 4.6 | 23 |
| 12 | Mn atomic layers under inert covers of graphene and hexagonal boron nitride prepared on Rh(111). *Nano Research*, **2013**, 6, 887-896 | 10 | 21 |
| 11 | Single and polycrystalline graphene on Rh(111) following different growth mechanisms. *Small*, **2013**, 9, 1360-6 | 11 | 20 |
| 10 | Scanning tunneling microscopy and spectroscopy of twisted trilayer graphene. *Physical Review B*, **2018**, 97, | 3.3 | 17 |
| 9 | High-quality monolayer graphene synthesis on Pd foils via the suppression of multilayer growth at grain boundaries. *Small*, **2014**, 10, 4003-11 | 11 | 16 |
| 8 | Scanning tunneling microscopy study of the quasicrystalline 30 twisted bilayer graphene. *2D Materials*, **2019**, 6, 045041 | 5.9 | 14 |
| 7 | Modulating the Electronic Properties of Graphene by Self-Organized Sulfur Identical Nanoclusters and Atomic Superlattices Confined at an Interface. *ACS Nano*, **2018**, 12, 10984-10991 | 16.7 | 14 |
| 6 | Controlling the dendritic structure and the photo-electrocatalytic properties of highly crystalline MoS 2 on sapphire substrate. *2D Materials*, **2018**, 5, 031015 | 5.9 | 9 |
| 5 | Lattice-Matched Metal-Semiconductor Heterointerface in Monolayer CuTe. *ACS Nano*, **2021**, 15, 3415-3422 | 16.7 | 8 |
| 4 | Controllable synthesis of graphene using novel aromatic 1,3,5-triethynylbenzene molecules on Rh(111). *RSC Advances*, **2015**, 5, 76620-76625 | 3.7 | 6 |

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| 3 | Controllable Growth of MoS2on Au Foils and Its Application in Hydrogen Evolution. *Acta Chimica Sinica*, **2015**, 73, 877 | 3.3 | 5 |
| 2 | Cell-Like Behaviors of Dynamic Graphene Bubbles with Fast Water Transport. *ACS Omega*, **2020**, 5, 28249-28254 | 3.9 | |
| 1 | Particle-Catalyst-Free Vapor-Liquid-Solid Growth of Millimeter-Scale Crystalline Compound Semiconductors on Nonepitaxial Substrates. *ACS Omega*, **2020**, 5, 9550-9557 | 3.9 | |