

# Dong Li

## 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.

58  
papers

1,679  
citations

21  
h-index

40  
g-index

62  
ext. papers

2,216  
ext. citations

9.7  
avg, IF

4.86  
L-index

#	Paper	IF	Citations
58	Strong interfacial coupling in vertical WSe <sub>2</sub> /WS <sub>2</sub> heterostructure for high performance photodetection. <i>Applied Physics Letters</i> , <b>2022</b> , 120, 181108	3.4	0
57	Gallium doping-assisted giant photoluminescence enhancement of monolayer MoS <sub>2</sub> grown by chemical vapor deposition. <i>Applied Physics Letters</i> , <b>2022</b> , 120, 221902	3.4	0
56	Efficient control of emission and carrier polarity in WS <sub>2</sub> monolayer by indium doping. <i>Science China Materials</i> , <b>2021</b> , 64, 1449-1456	7.1	6
55	Liquid-Metal-Assisted Growth of Vertical GaSe/MoS p-n Heterojunctions for Sensitive Self-Driven Photodetectors. <i>ACS Nano</i> , <b>2021</b> , 15, 10039-10047	16.7	23
54	Double-Gate MoS Field-Effect Transistors with Full-Range Tunable Threshold Voltage for Multifunctional Logic Circuits. <i>Advanced Materials</i> , <b>2021</b> , 33, e2101036	24	10
53	Sub-Thick Electrodes with Enhanced Transport Kinetics via In Situ Epitaxial Heterogeneous Interfaces for High Areal-Capacity Lithium Ion Batteries. <i>Small</i> , <b>2021</b> , 17, e2100778	11	41
52	Bottom-up fabrication of semiconducting 2D coordination nanosheets for versatile bioimaging and photodetecting applications. <i>Materials Advances</i> , <b>2021</b> , 2, 5189-5194	3.3	1
51	A novel visible light sensing and recording system enabled by integration of photodetector and electrochromic devices. <i>Nanoscale</i> , <b>2021</b> , 13, 9177-9184	7.7	3
50	Controlled growth of SnSe/MoS <sub>2</sub> vertical p <i>n</i> heterojunction for optoelectronic applications. <i>Nano Futures</i> , <b>2021</b> , 5, 015002	3.6	4
49	Light-triggered interfacial charge transfer and enhanced photodetection in CdSe/ZnS quantum dots/MoS <sub>2</sub> mixed-dimensional phototransistors. <i>Opto-Electronic Advances</i> , <b>2021</b> , 4, 210017-210017	6.5	5
48	Revealing the many-body interactions and valley-polarization behavior in Re-doped MoS <sub>2</sub> monolayers. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 113101	3.4	2
47	Recent Advances in Two-Dimensional Heterostructures: From Band Alignment Engineering to Advanced Optoelectronic Applications. <i>Advanced Electronic Materials</i> , <b>2021</b> , 7, 2001174	6.4	12
46	Strain-controlled synthesis of ultrathin hexagonal GaTe/MoS heterostructure for sensitive photodetection. <i>iScience</i> , <b>2021</b> , 24, 103031	6.1	0
45	Contact and injection engineering for low SS reconfigurable FETs and high gain complementary inverters. <i>Science Bulletin</i> , <b>2020</b> , 65, 2007-2013	10.6	6
44	Magnetic-brightening and control of dark exciton in CsPbBr <sub>3</sub> perovskite. <i>Science China Materials</i> , <b>2020</b> , 63, 1503-1509	7.1	7
43	Epitaxial synthesis of ultrathin InSe/MoS heterostructures with high visible/near-infrared photoresponse. <i>Nanoscale</i> , <b>2020</b> , 12, 6480-6488	7.7	21
42	Light-triggered two-dimensional lateral homogeneous p-n diodes for opto-electrical interconnection circuits. <i>Science Bulletin</i> , <b>2020</b> , 65, 293-299	10.6	20

41	Dual-channel type tunable field-effect transistors based on vertical bilayer WS <sub>2</sub> (1-x)Se <sub>2x</sub> /SnS <sub>2</sub> heterostructures. <i>Information Materials</i> , <b>2020</b> , 2, 752-760	23.1	17
40	Record high photoresponse observed in CdS-black phosphorous van der Waals heterojunction photodiode. <i>Science China Materials</i> , <b>2020</b> , 63, 1570-1578	7.1	5
39	Growth of CdSe/MoS <sub>2</sub> vertical heterostructures for fast visible-wavelength photodetectors. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 815, 152309	5.7	20
38	High-performance optoelectronic devices based on van der Waals vertical MoS <sub>2</sub> /MoSe <sub>2</sub> heterostructures. <i>Nano Research</i> , <b>2020</b> , 13, 1053-1059	10	33
37	Probing and Manipulating Carrier Interlayer Diffusion in van der Waals Multilayer by Constructing Type-I Heterostructure. <i>Nano Letters</i> , <b>2019</b> , 19, 7217-7225	11.5	23
36	Trion-Induced Distinct Transient Behavior and Stokes Shift in WS Monolayers. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 3763-3772	6.4	11
35	Ultrahigh-Performance Optoelectronics Demonstrated in Ultrathin Perovskite-Based Vertical Semiconductor Heterostructures. <i>ACS Nano</i> , <b>2019</b> , 13, 7996-8003	16.7	45
34	Nonvolatile MoTe p-n Diodes for Optoelectronic Logics. <i>ACS Nano</i> , <b>2019</b> , 13, 7216-7222	16.7	29
33	Highly stable lead-free Cs <sub>3</sub> Bi <sub>2</sub> I <sub>9</sub> perovskite nanoplates for photodetection applications. <i>Nano Research</i> , <b>2019</b> , 12, 1894-1899	10	61
32	Rational Kinetics Control toward Universal Growth of 2D Vertically Stacked Heterostructures. <i>Advanced Materials</i> , <b>2019</b> , 31, e1901351	24	53
31	Vapor growth of CdS nanowires/WS nanosheet heterostructures with sensitive photodetections. <i>Nanotechnology</i> , <b>2019</b> , 30, 345603	3.4	8
30	Polar-Induced Selective Epitaxial Growth of Multijunction Nanoribbons for High-Performance Optoelectronics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 15813-15820	9.5	5
29	Tight-binding model for electronic structure of hexagonal boron phosphide monolayer and bilayer. <i>Journal of Physics Condensed Matter</i> , <b>2019</b> , 31, 285501	1.8	6
28	High-responsivity two-dimensional p-PbI <sub>2</sub> /n-WS <sub>2</sub> vertical heterostructure photodetectors enhanced by photogating effect. <i>Materials Horizons</i> , <b>2019</b> , 6, 1474-1480	14.4	30
27	WO-WS Vertical Bilayer Heterostructures with High Photoluminescence Quantum Yield. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 11754-11758	16.4	29
26	Stress- and electric-field-induced band gap tuning in hexagonal boron phosphide layers. <i>Journal of Physics Condensed Matter</i> , <b>2019</b> , 31, 465502	1.8	4
25	Self-Powered Broad-band Photodetectors Based on Vertically Stacked WSe/BiTe Heterojunctions. <i>ACS Nano</i> , <b>2019</b> , 13, 13573-13580	16.7	89
24	Van der Waals epitaxial growth of vertically stacked Sb <sub>2</sub> Te <sub>3</sub> /MoS <sub>2</sub> p-n heterojunctions for high performance optoelectronics. <i>Nano Energy</i> , <b>2019</b> , 59, 66-74	17.1	75

23	Floating-gate controlled programmable non-volatile black phosphorus PNP junction memory. <i>Nanoscale</i> , <b>2018</b> , 10, 3148-3152	7.7	14
22	Tandem gasochromic-Pd-WO <sub>3</sub> /graphene/Si device for room-temperature high-performance optoelectronic hydrogen sensors. <i>Carbon</i> , <b>2018</b> , 130, 281-287	10.4	34
21	Band Alignment Engineering in Two-Dimensional Lateral Heterostructures. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 11193-11197	16.4	85
20	Facile Synthesis of Na-Doped MnO Nanosheets on Carbon Nanotube Fibers for Ultrahigh-Energy-Density All-Solid-State Wearable Asymmetric Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 37233-37241	9.5	39
19	Two-dimensional non-volatile programmable p-n junctions. <i>Nature Nanotechnology</i> , <b>2017</b> , 12, 901-906	28.7	196
18	Gate-Controlled BP-WSe Heterojunction Diode for Logic Rectifiers and Logic Optoelectronics. <i>Small</i> , <b>2017</b> , 13, 1603726	11	66
17	Floating-Gate Manipulated Graphene-Black Phosphorus Heterojunction for Nonvolatile Ambipolar Schottky Junction Memories, Memory Inverter Circuits, and Logic Rectifiers. <i>Nano Letters</i> , <b>2017</b> , 17, 6353-6359 <sup>60</sup>	11.5	60
16	Electrically tunable large magnetoresistance in graphene/silicon Schottky junctions. <i>Carbon</i> , <b>2017</b> , 123, 106-111	10.4	5
15	Tunable bandgap in few-layer black phosphorus by electrical field. <i>2D Materials</i> , <b>2017</b> , 4, 031009	5.9	21
14	Direct growth of nanocrystalline graphene/graphite all carbon transparent electrode for graphene glass and photodetectors. <i>Carbon</i> , <b>2017</b> , 111, 1-7	10.4	8
13	Novel p-n junctions based on ambipolar two-dimensional crystals. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2017</b> , 66, 217302	0.6	2
12	3D Printable Graphene Composite. <i>Scientific Reports</i> , <b>2015</b> , 5, 11181	4.9	275
11	Study on the graphene/silicon Schottky diodes by transferring graphene transparent electrodes on silicon. <i>Thin Solid Films</i> , <b>2015</b> , 592, 281-286	2.2	6
10	Thermal annealing and air exposing effect on the graphene/silicon Schottky junctions. <i>Solid State Communications</i> , <b>2015</b> , 201, 115-119	1.6	4
9	Nonvolatile Floating-Gate Memories Based on Stacked Black Phosphorus/Boron Nitride/MoS <sub>2</sub> Heterostructures. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 7360-7365	15.6	95
8	Photo-Induced Doping in Graphene/Silicon Heterostructures. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 1061-1066	3.8	15
7	Solution-processed anchoring zinc oxide quantum dots on covalently modified graphene oxide. <i>Journal of Nanoparticle Research</i> , <b>2014</b> , 16, 1	2.3	3
6	Direct Growth of Nanographene on Silicon with Thin Oxide Layer for High-Performance Nanographene-Oxide-Silicon Diodes. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 7613-7618	15.6	12

5	Direct Growth of Nanocrystalline Graphene/Graphite Transparent Electrodes on Si/SiO <sub>2</sub> for Metal-Free Schottky Junction Photodetectors. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 835-840	15.6	24
4	Plasmonically engineered light-matter interactions in Au-nanoparticle/MoS <sub>2</sub> heterostructures for artificial optoelectronic synapse. <i>Nano Research</i> ,1	10	5
3	Facile fabrication of a single-particle platform with high throughput via substrate surface potential regulated large-spacing nanoparticle assembly. <i>Nano Research</i> ,1	10	0
2	Magnetic Doping Induced Strong Circularly Polarized Light Emission and Detection in 2D Layered Halide Perovskite. <i>Advanced Optical Materials</i> ,2200183	8.1	5
1	Manipulating Picosecond Photoresponse in van der Waals Heterostructure Photodetectors. <i>Advanced Functional Materials</i> ,2200973	15.6	