

Dong Li

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7368206/dong-li-publications-by-citations.pdf>

Version: 2024-04-26

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.

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	3D Printable Graphene Composite. <i>Scientific Reports</i> , 2015 , 5, 11181	4.9	275
57	Two-dimensional non-volatile programmable p-n junctions. <i>Nature Nanotechnology</i> , 2017 , 12, 901-906	28.7	196
56	Nonvolatile Floating-Gate Memories Based on Stacked Black Phosphorus/Boron Nitride/MoS ₂ Heterostructures. <i>Advanced Functional Materials</i> , 2015 , 25, 7360-7365	15.6	95
55	Self-Powered Broad-band Photodetectors Based on Vertically Stacked WSe/BiTe Heterojunctions. <i>ACS Nano</i> , 2019 , 13, 13573-13580	16.7	89
54	Band Alignment Engineering in Two-Dimensional Lateral Heterostructures. <i>Journal of the American Chemical Society</i> , 2018 , 140, 11193-11197	16.4	85
53	Van der Waals epitaxial growth of vertically stacked Sb ₂ Te ₃ /MoS ₂ p-n heterojunctions for high performance optoelectronics. <i>Nano Energy</i> , 2019 , 59, 66-74	17.1	75
52	Gate-Controlled BP-WSe Heterojunction Diode for Logic Rectifiers and Logic Optoelectronics. <i>Small</i> , 2017 , 13, 1603726	11	66
51	Highly stable lead-free Cs ₃ Bi ₂ I ₉ perovskite nanoplates for photodetection applications. <i>Nano Research</i> , 2019 , 12, 1894-1899	10	61
50	Floating-Gate Manipulated Graphene-Black Phosphorus Heterojunction for Nonvolatile Ambipolar Schottky Junction Memories, Memory Inverter Circuits, and Logic Rectifiers. <i>Nano Letters</i> , 2017 , 17, 6353-6359	11.5	60
49	Rational Kinetics Control toward Universal Growth of 2D Vertically Stacked Heterostructures. <i>Advanced Materials</i> , 2019 , 31, e1901351	24	53
48	Ultrahigh-Performance Optoelectronics Demonstrated in Ultrathin Perovskite-Based Vertical Semiconductor Heterostructures. <i>ACS Nano</i> , 2019 , 13, 7996-8003	16.7	45
47	Sub-Thick Electrodes with Enhanced Transport Kinetics via In Situ Epitaxial Heterogeneous Interfaces for High Areal-Capacity Lithium Ion Batteries. <i>Small</i> , 2021 , 17, e2100778	11	41
46	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 & Interfaces</i> , 2018 , 10, 37233-37241	9.5	39
45	Tandem gasochromic-Pd-WO ₃ /graphene/Si device for room-temperature high-performance optoelectronic hydrogen sensors. <i>Carbon</i> , 2018 , 130, 281-287	10.4	34
44	High-performance optoelectronic devices based on van der Waals vertical MoS ₂ /MoSe ₂ heterostructures. <i>Nano Research</i> , 2020 , 13, 1053-1059	10	33
43	High-responsivity two-dimensional p-PbI ₂ /n-WS ₂ vertical heterostructure photodetectors enhanced by photogating effect. <i>Materials Horizons</i> , 2019 , 6, 1474-1480	14.4	30
42	Nonvolatile MoTe p-n Diodes for Optoelectronic Logics. <i>ACS Nano</i> , 2019 , 13, 7216-7222	16.7	29

41	WO-WS Vertical Bilayer Heterostructures with High Photoluminescence Quantum Yield. <i>Journal of the American Chemical Society</i> , 2019 , 141, 11754-11758	16.4	29
40	Direct Growth of Nanocrystalline Graphene/Graphite Transparent Electrodes on Si/SiO ₂ for Metal-Free Schottky Junction Photodetectors. <i>Advanced Functional Materials</i> , 2014 , 24, 835-840	15.6	24
39	Probing and Manipulating Carrier Interlayer Diffusion in van der Waals Multilayer by Constructing Type-I Heterostructure. <i>Nano Letters</i> , 2019 , 19, 7217-7225	11.5	23
38	Liquid-Metal-Assisted Growth of Vertical GaSe/MoS p-n Heterojunctions for Sensitive Self-Driven Photodetectors. <i>ACS Nano</i> , 2021 , 15, 10039-10047	16.7	23
37	Epitaxial synthesis of ultrathin E _n Se/MoS heterostructures with high visible/near-infrared photoresponse. <i>Nanoscale</i> , 2020 , 12, 6480-6488	7.7	21
36	Tunable bandgap in few-layer black phosphorus by electrical field. <i>2D Materials</i> , 2017 , 4, 031009	5.9	21
35	Light-triggered two-dimensional lateral homogeneous p-n diodes for opto-electrical interconnection circuits. <i>Science Bulletin</i> , 2020 , 65, 293-299	10.6	20
34	Growth of CdSe/MoS ₂ vertical heterostructures for fast visible-wavelength photodetectors. <i>Journal of Alloys and Compounds</i> , 2020 , 815, 152309	5.7	20
33	Dual-channel type tunable field-effect transistors based on vertical bilayer WS ₂ (1 k)Se _{2x} /SnS ₂ heterostructures. <i>Information Materials</i> , 2020 , 2, 752-760	23.1	17
32	Photo-Induced Doping in Graphene/Silicon Heterostructures. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 1061-1066	3.8	15
31	Floating-gate controlled programmable non-volatile black phosphorus PNP junction memory. <i>Nanoscale</i> , 2018 , 10, 3148-3152	7.7	14
30	Direct Growth of Nanographene on Silicon with Thin Oxide Layer for High-Performance Nanographene-Oxide-Silicon Diodes. <i>Advanced Functional Materials</i> , 2014 , 24, 7613-7618	15.6	12
29	Recent Advances in Two-Dimensional Heterostructures: From Band Alignment Engineering to Advanced Optoelectronic Applications. <i>Advanced Electronic Materials</i> , 2021 , 7, 2001174	6.4	12
28	Trion-Induced Distinct Transient Behavior and Stokes Shift in WS Monolayers. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 3763-3772	6.4	11
27	Double-Gate MoS Field-Effect Transistors with Full-Range Tunable Threshold Voltage for Multifunctional Logic Circuits. <i>Advanced Materials</i> , 2021 , 33, e2101036	24	10
26	Vapor growth of CdS nanowires/WS nanosheet heterostructures with sensitive photodetections. <i>Nanotechnology</i> , 2019 , 30, 345603	3.4	8
25	Direct growth of nanocrystalline graphene/graphite all carbon transparent electrode for graphene glass and photodetectors. <i>Carbon</i> , 2017 , 111, 1-7	10.4	8
24	Magnetic-brightening and control of dark exciton in CsPbBr ₃ perovskite. <i>Science China Materials</i> , 2020 , 63, 1503-1509	7.1	7

23	Tight-binding model for electronic structure of hexagonal boron phosphide monolayer and bilayer. <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 285501	1.8	6
22	Study on the graphene/silicon Schottky diodes by transferring graphene transparent electrodes on silicon. <i>Thin Solid Films</i> , 2015 , 592, 281-286	2.2	6
21	Contact and injection engineering for low SS reconfigurable FETs and high gain complementary inverters. <i>Science Bulletin</i> , 2020 , 65, 2007-2013	10.6	6
20	Efficient control of emission and carrier polarity in WS ₂ monolayer by indium doping. <i>Science China Materials</i> , 2021 , 64, 1449-1456	7.1	6
19	Polar-Induced Selective Epitaxial Growth of Multijunction Nanoribbons for High-Performance Optoelectronics. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 15813-15820	9.5	5
18	Electrically tunable large magnetoresistance in graphene/silicon Schottky junctions. <i>Carbon</i> , 2017 , 123, 106-111	10.4	5
17	Plasmonically engineered light-matter interactions in Au-nanoparticle/MoS ₂ heterostructures for artificial optoelectronic synapse. <i>Nano Research</i> , 1	10	5
16	Record high photoresponse observed in CdS-black phosphorous van der Waals heterojunction photodiode. <i>Science China Materials</i> , 2020 , 63, 1570-1578	7.1	5
15	Light-triggered interfacial charge transfer and enhanced photodetection in CdSe/ZnS quantum dots/MoS ₂ mixed-dimensional phototransistors. <i>Opto-Electronic Advances</i> , 2021 , 4, 210017-210017	6.5	5
14	Magnetic Doping Induced Strong Circularly Polarized Light Emission and Detection in 2D Layered Halide Perovskite. <i>Advanced Optical Materials</i> , 2200183	8.1	5
13	Thermal annealing and air exposing effect on the graphene/silicon Schottky junctions. <i>Solid State Communications</i> , 2015 , 201, 115-119	1.6	4
12	Stress- and electric-field-induced band gap tuning in hexagonal boron phosphide layers. <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 465502	1.8	4
11	Controlled growth of SnSe/MoS ₂ vertical p-n heterojunction for optoelectronic applications. <i>Nano Futures</i> , 2021 , 5, 015002	3.6	4
10	Solution-processed anchoring zinc oxide quantum dots on covalently modified graphene oxide. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	3
9	A novel visible light sensing and recording system enabled by integration of photodetector and electrochromic devices. <i>Nanoscale</i> , 2021 , 13, 9177-9184	7.7	3
8	Novel p-n junctions based on ambipolar two-dimensional crystals. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2017 , 66, 217302	0.6	2
7	Revealing the many-body interactions and valley-polarization behavior in Re-doped MoS ₂ monolayers. <i>Applied Physics Letters</i> , 2021 , 118, 113101	3.4	2
6	Bottom-up fabrication of semiconducting 2D coordination nanosheets for versatile bioimaging and photodetecting applications. <i>Materials Advances</i> , 2021 , 2, 5189-5194	3.3	1

5	Strain-controlled synthesis of ultrathin hexagonal GaTe/MoS heterostructure for sensitive photodetection. <i>Science</i> , 2021 , 24, 103031	6.1	o
4	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	o
3	Strong interfacial coupling in vertical WSe ₂ /WS ₂ heterostructure for high performance photodetection. <i>Applied Physics Letters</i> , 2022 , 120, 181108	3.4	o
2	Gallium doping-assisted giant photoluminescence enhancement of monolayer MoS ₂ grown by chemical vapor deposition. <i>Applied Physics Letters</i> , 2022 , 120, 221902	3.4	o
1	Manipulating Picosecond Photoresponse in van der Waals Heterostructure Photodetectors. <i>Advanced Functional Materials</i> , 2200973	15.6	