

# Mingde Du

## List of Publications by Year in descending order

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26  
papers

1,849  
citations

516710

16  
h-index

552781

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

2759  
citing authors

#	ARTICLE	IF	CITATIONS
1	Switchable Photoresponse Mechanisms Implemented in Single van der Waals Semiconductor/Metal Heterostructure. <i>ACS Nano</i> , 2022, 16, 568-576.	14.6	29
2	Molybdenum Disulfide/Double-Wall Carbon Nanotube Mixed-Dimensional Heterostructures. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	6
3	On-chip photonics and optoelectronics with a van der Waals material dielectric platform. <i>Nanoscale</i> , 2022, 14, 9459-9465.	5.6	4
4	Dual-gated mono-bilayer graphene junctions. <i>Nanoscale Advances</i> , 2021, 3, 399-406.	4.6	3
5	Graphene/Bi <sub>2</sub> Se <sub>3</sub> Heterojunction Phototransistor Using Photogating Effect Modulated by Tunable Tunneling Resistance. , 2021, , .		1
6	Single-step chemical vapour deposition of anti-pyramid MoS <sub>2</sub> /WS <sub>2</sub> vertical heterostructures. <i>Nanoscale</i> , 2021, 13, 4537-4542.	5.6	17
7	Tunable Quantum Tunneling through a Graphene/Bi <sub>2</sub> Se <sub>3</sub> Heterointerface for the Hybrid Photodetection Mechanism. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 58927-58935.	8.0	10
8	Acceptor-free photomultiplication-type organic photodetectors. <i>Nanoscale</i> , 2019, 11, 16406-16413.	5.6	24
9	Magnetic Actuation of Flexible Microelectrode Arrays for Neural Activity Recordings. <i>Nano Letters</i> , 2019, 19, 8032-8039.	9.1	24
10	Crack Control in Biotemplated Gold Films for Wide-Range, Highly Sensitive Strain Sensing. <i>Advanced Materials Interfaces</i> , 2019, 6, 1901223.	3.7	17
11	Photomultiplication type all-polymer photodetectors with single carrier transport property. <i>Science China Chemistry</i> , 2019, 62, 1619-1624.	8.2	8
12	Elastocapillary self-assembled neurotassels for stable neural activity recordings. <i>Science Advances</i> , 2019, 5, eaav2842.	10.3	142
13	Flexible Micropillar Electrode Arrays for In Vivo Neural Activity Recordings. <i>Small</i> , 2019, 15, e1900582.	10.0	21
14	Photomultiplication Type Organic Photodetectors with Broadband and Narrowband Response Ability. <i>Advanced Optical Materials</i> , 2018, 6, 1800001.	7.3	98
15	Flexible and biocompatible nanopaper-based electrode arrays for neural activity recording. <i>Nano Research</i> , 2018, 11, 5604-5614.	10.4	26
16	Simultaneous surface and depth neural activity recording with graphene transistor-based dual-modality probes. <i>Biosensors and Bioelectronics</i> , 2018, 105, 109-115.	10.1	7
17	Bacterial Cellulose as a Supersoft Neural Interfacing Substrate. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 33049-33059.	8.0	58
18	Multiscale Hierarchical Design of a Flexible Piezoresistive Pressure Sensor with High Sensitivity and Wide Linearity Range. <i>Small</i> , 2018, 14, e1800819.	10.0	326

#	ARTICLE	IF	CITATIONS
19	Organic Photodetectors with Gain and Broadband/Narrowband Response under Top/Bottom Illumination Conditions. <i>Advanced Optical Materials</i> , 2018, 6, 1800249.	7.3	108
20	Highly Narrowband Photomultiplication Type Organic Photodetectors. <i>Nano Letters</i> , 2017, 17, 1995-2002.	9.1	278
21	Photomultiplication type narrowband organic photodetectors working at forward and reverse bias. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 14424-14430.	2.8	41
22	Highly Sensitive Low-Bandgap Perovskite Photodetectors with Response from Ultraviolet to the Near-Infrared Region. <i>Advanced Functional Materials</i> , 2017, 27, 1703953.	14.9	148
23	High Detectivity Graphene-Silicon Heterojunction Photodetector. <i>Small</i> , 2016, 12, 595-601.	10.0	370
24	Solid-Phase Coalescence of Electrochemically Exfoliated Graphene Flakes into a Continuous Film on Copper. <i>Chemistry of Materials</i> , 2016, 28, 3360-3366.	6.7	28
25	Blown-Bubble Assembly and in Situ Fabrication of Sausage-like Graphene Nanotubes Containing Copper Nanoblocks. <i>Nano Letters</i> , 2016, 16, 4917-4924.	9.1	13
26	Templated synthesis of TiO <sub>2</sub> nanotube macrostructures and their photocatalytic properties. <i>Nano Research</i> , 2015, 8, 900-906.	10.4	32