

Mingde Du

List of Publications by Year in descending order

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Version: 2024-02-01

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	High Detectivity Graphene-Silicon Heterojunction Photodetector. <i>Small</i> , 2016, 12, 595-601.	10.0	370
2	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
3	Highly Narrowband Photomultiplication Type Organic Photodetectors. <i>Nano Letters</i> , 2017, 17, 1995-2002.	9.1	278
4	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
5	Elastocapillary self-assembled neurotassels for stable neural activity recordings. <i>Science Advances</i> , 2019, 5, eaav2842.	10.3	142
6	Organic Photodetectors with Gain and Broadband/Narrowband Response under Top/Bottom Illumination Conditions. <i>Advanced Optical Materials</i> , 2018, 6, 1800249.	7.3	108
7	Photomultiplication Type Organic Photodetectors with Broadband and Narrowband Response Ability. <i>Advanced Optical Materials</i> , 2018, 6, 1800001.	7.3	98
8	Bacterial Cellulose as a Supersoft Neural Interfacing Substrate. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 33049-33059.	8.0	58
9	Photomultiplication type narrowband organic photodetectors working at forward and reverse bias. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 14424-14430.	2.8	41
10	Templated synthesis of TiO ₂ nanotube macrostructures and their photocatalytic properties. <i>Nano Research</i> , 2015, 8, 900-906.	10.4	32
11	Switchable Photoresponse Mechanisms Implemented in Single van der Waals Semiconductor/Metal Heterostructure. <i>ACS Nano</i> , 2022, 16, 568-576.	14.6	29
12	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
13	Flexible and biocompatible nanopaper-based electrode arrays for neural activity recording. <i>Nano Research</i> , 2018, 11, 5604-5614.	10.4	26
14	Acceptor-free photomultiplication-type organic photodetectors. <i>Nanoscale</i> , 2019, 11, 16406-16413.	5.6	24
15	Magnetic Actuation of Flexible Microelectrode Arrays for Neural Activity Recordings. <i>Nano Letters</i> , 2019, 19, 8032-8039.	9.1	24
16	Flexible Micropillar Electrode Arrays for In Vivo Neural Activity Recordings. <i>Small</i> , 2019, 15, e1900582.	10.0	21
17	Crack Control in Biotemplated Gold Films for Wide-Range, Highly Sensitive Strain Sensing. <i>Advanced Materials Interfaces</i> , 2019, 6, 1901223.	3.7	17
18	Single-step chemical vapour deposition of anti-pyramid MoS ₂ /WS ₂ vertical heterostructures. <i>Nanoscale</i> , 2021, 13, 4537-4542.	5.6	17

#	ARTICLE	IF	CITATIONS
19	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
20	Tunable Quantum Tunneling through a Graphene/Bi ₂ Se ₃ Heterointerface for the Hybrid Photodetection Mechanism. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 58927-58935.	8.0	10
21	Photomultiplication type all-polymer photodetectors with single carrier transport property. <i>Science China Chemistry</i> , 2019, 62, 1619-1624.	8.2	8
22	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
23	Molybdenum Disulfide/Double-Wall Carbon Nanotube Mixed-Dimensional Heterostructures. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	6
24	On-chip photonics and optoelectronics with a van der Waals material dielectric platform. <i>Nanoscale</i> , 2022, 14, 9459-9465.	5.6	4
25	Dual-gated mono-bilayer graphene junctions. <i>Nanoscale Advances</i> , 2021, 3, 399-406.	4.6	3
26	Graphene/Bi ₂ Se ₃ Heterojunction Phototransistor Using Photogating Effect Modulated by Tunable Tunneling Resistance. , 2021, , .		1