

Chaolun Wang

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

487
citations

840776

11
h-index

677142

22
g-index

32
all docs

32
docs citations

32
times ranked

726
citing authors

#	ARTICLE	IF	CITATIONS
1	Metallic few-layered VSe ₂ nanosheets: high two-dimensional conductivity for flexible in-plane solid-state supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8299-8306.	10.3	89
2	In Situ Transmission Electron Microscopy Characterization and Manipulation of Two-Dimensional Layered Materials beyond Graphene. <i>Small</i> , 2017, 13, 1604259.	10.0	75
3	Facile fabrication of paper-based flexible thermoelectric generator. <i>Npj Flexible Electronics</i> , 2021, 5, .	10.7	41
4	Raman spectroscopy characterization of two-dimensional materials. <i>Chinese Physics B</i> , 2018, 27, 037802.	1.4	38
5	VSe ₂ /carbon-nanotube compound for all solid-state flexible in-plane supercapacitor. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	34
6	In Situ Dynamic Manipulation of Graphene Strain Sensor with Drastically Sensing Performance Enhancement. <i>Advanced Electronic Materials</i> , 2020, 6, 2000269.	5.1	23
7	Probing and Manipulating the Interfacial Defects of InGaAs Dual-Layer Metal Oxides at the Atomic Scale. <i>Advanced Materials</i> , 2018, 30, 1703025.	21.0	21
8	Raman Characterization on Two-Dimensional Materials-Based Thermoelectricity. <i>Molecules</i> , 2019, 24, 88.	3.8	19
9	Analog Sensing and Computing Systems with Low Power Consumption for Gesture Recognition. <i>Advanced Intelligent Systems</i> , 2021, 3, 2000184.	6.1	19
10	Iron-doped VSe ₂ nanosheets for enhanced hydrogen evolution reaction. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	18
11	Tuning Electrical and Optical Properties of MoSe ₂ Transistors via Elemental Doping. <i>Advanced Materials Technologies</i> , 2020, 5, 2000307.	5.8	15
12	RGO-Protected Electroless Plated Nickel Electrode with Enhanced Stability Performance for Flexible Micro-Supercapacitors. <i>ACS Applied Energy Materials</i> , 2018, 1, 7182-7190.	5.1	12
13	Magnetic and magnetocaloric properties of DyCo ₂ Cx alloys. <i>Journal of Alloys and Compounds</i> , 2019, 777, 152-156.	5.5	11
14	High-performance flexible humidity sensors for breath detection and non-touch switches. <i>Nano Select</i> , 2022, 3, 1168-1177.	3.7	10
15	In Situ Interfacial Sublimation of Zn ₂ GeO ₄ Nanowire for Atomic-Scale Manufacturing. <i>ACS Applied Nano Materials</i> , 2020, 3, 4747-4754.	5.0	8
16	Infrared Gesture Recognition System Based on Near-Sensor Computing. <i>IEEE Electron Device Letters</i> , 2021, 42, 1053-1056.	3.9	8
17	Direct Visualization of Breakdown-Induced Metal Migration in Enhanced Modified Lateral Silicon-Controlled Rectifiers. <i>IEEE Transactions on Electron Devices</i> , 2021, 68, 1378-1381.	3.0	8
18	VSe ₂ quantum dots with high-density active edges for flexible efficient hydrogen evolution reaction. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 214006.	2.8	6

#	ARTICLE	IF	CITATIONS
19	A review of in situ transmission electron microscopy study on the switching mechanism and packaging reliability in non-volatile memory. <i>Journal of Semiconductors</i> , 2021, 42, 013102.	3.7	6
20	The Trends of In Situ Focused Ion Beam Technology: Toward Preparing Transmission Electron Microscopy Lamella and Devices at the Atomic Scale. <i>Advanced Electronic Materials</i> , 2022, 8, .	5.1	6
21	Tailoring atomic 1T phase CrTe ₂ for in situ fabrication. <i>Nanotechnology</i> , 2022, 33, 085302.	2.6	5
22	High Throughput In-situ Temperature Sensor Array with High Sensitivity and Excellent Linearity for Wireless Body Temperature Monitoring. <i>Small Structures</i> , 2022, 3, .	12.0	5
23	Object Identification With Smart Glove Assembled by Pressure Sensors. , 2021, 5, 1-4.		4
24	Review of electrical stimulus methods of <i>in situ</i> transmission electron microscope to study resistive random access memory. <i>Nanoscale</i> , 2022, 14, 9542-9552.	5.6	4
25	Interfacial Defects: Probing and Manipulating the Interfacial Defects of InGaAs Dual-layer Metal Oxides at the Atomic Scale (<i>Adv. Mater.</i> 2/2018). <i>Advanced Materials</i> , 2018, 30, 1870013.	21.0	1
26	Failure Analysis on Diode-triggered Silicon-Controlled Rectifiers By using Nondestructive X-ray Microscopy. , 2021, , .		1
27	Analysis of nano-filament evolution in Ni-based RRAM devices using in-situ TEM. , 2016, , .		0
28	Probing and manipulating the interfacial defects of InGaAs dual-layer metal oxides at the atomic scale. , 2018, , .		0
29	Thermal reliability study of graphene-based planar RRAM. , 2020, , .		0
30	Reliability study of flexible sodium-ion detection sensor. , 2020, , .		0
31	Metal Migration Induced Breakdown from Gate Contact in Bulk FinFET Devices. , 2021, , .		0
32	Nanoscale Analysis of Breakdown Induced Crack Propagation in DTSCR Devices. , 2022, , .		0