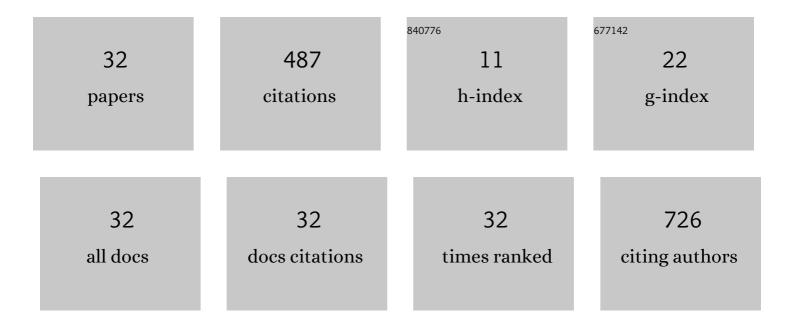
Chaolun Wang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Tailoring atomic 1T phase CrTe ₂ for in situ fabrication. Nanotechnology, 2022, 33, 085302.	2.6	5
2	The Trends of In Situ Focused Ion Beam Technology: Toward Preparing Transmission Electron Microscopy Lamella and Devices at the Atomic Scale. Advanced Electronic Materials, 2022, 8, .	5.1	6
3	Highâ€performance flexible humidity sensors for breath detection and nonâ€ŧouch switches. Nano Select, 2022, 3, 1168-1177.	3.7	10
4	Nanoscale Analysis of Breakdown Induced Crack Propagation in DTSCR Devices. , 2022, , .		0
5	Review of electrical stimulus methods of <i>in situ</i> transmission electron microscope to study resistive random access memory. Nanoscale, 2022, 14, 9542-9552.	5.6	4
6	High Throughput In–Situ Temperature Sensor Array with High Sensitivity and Excellent Linearity for Wireless Body Temperature Monitoring. Small Structures, 2022, 3, .	12.0	5
7	Analog Sensing and Computing Systems with Low Power Consumption for Gesture Recognition. Advanced Intelligent Systems, 2021, 3, 2000184.	6.1	19
8	Infrared Gesture Recognition System Based on Near-Sensor Computing. IEEE Electron Device Letters, 2021, 42, 1053-1056.	3.9	8
9	Object Identification With Smart Clove Assembled by Pressure Sensors. , 2021, 5, 1-4.		4
10	Direct Visualization of Breakdown-Induced Metal Migration in Enhanced Modified Lateral Silicon-Controlled Rectifiers. IEEE Transactions on Electron Devices, 2021, 68, 1378-1381.	3.0	8
11	VSe2 quantum dots with high-density active edges for flexible efficient hydrogen evolution reaction. Journal Physics D: Applied Physics, 2021, 54, 214006.	2.8	6
12	Facile fabrication of paper-based flexible thermoelectric generator. Npj Flexible Electronics, 2021, 5, .	10.7	41
13	A revew of in situ transmission electron microscopy study on the switching mechanism and packaging reliability in non-volatile memory. Journal of Semiconductors, 2021, 42, 013102.	3.7	6
14	Metal Migration Induced Breakdown from Gate Contact in Bulk FinFET Devices. , 2021, , .		0
15	Failure Analysis on Diode-triggered Silicon-Controlled Rectifiers By using Nondestructive X-ray Microscopy. , 2021, , .		1
16	In Situ Interfacial Sublimation of Zn ₂ GeO ₄ Nanowire for Atomic-Scale Manufacturing. ACS Applied Nano Materials, 2020, 3, 4747-4754.	5.0	8
17	In Situ Dynamic Manipulation of Graphene Strain Sensor with Drastically Sensing Performance Enhancement. Advanced Electronic Materials, 2020, 6, 2000269.	5.1	23
18	Iron-doped VSe2 nanosheets for enhanced hydrogen evolution reaction. Applied Physics Letters, 2020, 116, .	3.3	18

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#	Article	IF	CITATIONS
19	Tuning Electrical and Optical Properties of MoSe ₂ Transistors via Elemental Doping. Advanced Materials Technologies, 2020, 5, 2000307.	5.8	15
20	Thermal reliability study of graphene-based planar RRAM. , 2020, , .		0
21	Reliability study of flexible sodium-ion detection sensor. , 2020, , .		0
22	Raman Characterization on Two-Dimensional Materials-Based Thermoelectricity. Molecules, 2019, 24, 88.	3.8	19
23	VSe2/carbon-nanotube compound for all solid-state flexible in-plane supercapacitor. Applied Physics Letters, 2019, 114, .	3.3	34
24	Magnetic and magnetocaloric properties of DyCo2Cx alloys. Journal of Alloys and Compounds, 2019, 777, 152-156.	5.5	11
25	Interfacial Defects: Probing and Manipulating the Interfacial Defects of InGaAs Dual‣ayer Metal Oxides at the Atomic Scale (Adv. Mater. 2/2018). Advanced Materials, 2018, 30, 1870013.	21.0	1
26	Metallic few-layered VSe ₂ nanosheets: high two-dimensional conductivity for flexible in-plane solid-state supercapacitors. Journal of Materials Chemistry A, 2018, 6, 8299-8306.	10.3	89
27	Raman spectroscopy characterization of two-dimensional materials. Chinese Physics B, 2018, 27, 037802.	1.4	38
28	Probing and Manipulating the Interfacial Defects of InGaAs Dual‣ayer Metal Oxides at the Atomic Scale. Advanced Materials, 2018, 30, 1703025.	21.0	21
29	RGO-Protected Electroless Plated Nickel Electrode with Enhanced Stability Performance for Flexible Micro-Supercapacitors. ACS Applied Energy Materials, 2018, 1, 7182-7190.	5.1	12
30	Probing and manipulating the interfacial defects of InGaAs dual-layer metal oxides at the atomic scale. , 2018, , .		0
31	In Situ Transmission Electron Microscopy Characterization and Manipulation of Twoâ€Dimensional Layered Materials beyond Graphene. Small, 2017, 13, 1604259.	10.0	75
32	Analysis of nano-filament evolution in Ni-based RRAM devices using in-situ TEM. , 2016, , .		0