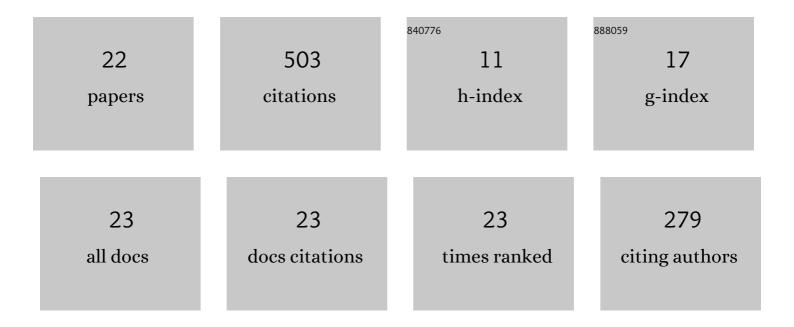
## Chunwei Zhang

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4073238/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Artificial Optoelectronic Synapses Based on TiN <i><sub>x</sub></i> O <sub>2–</sub> <i><sub>x</sub></i> /MoS <sub>2</sub> Heterojunction for Neuromorphic Computing and Visual System. Advanced Functional Materials, 2021, 31, 2101201.	14.9	92
2	Microâ€Nano Processing of Active Layers in Flexible Tactile Sensors via Template Methods: A Review. Small, 2021, 17, e2100804.	10.0	82
3	Nanostructured perovskites for nonvolatile memory devices. Chemical Society Reviews, 2022, 51, 3341-3379.	38.1	71
4	Carbon-based nanomaterials for the detection of volatile organic compounds: A review. Carbon, 2021, 180, 274-297.	10.3	67
5	High-Performance Formaldehyde Gas Sensor Based on Cu-Doped Sn <sub>3</sub> O <sub>4</sub> Hierarchical Nanoflowers. IEEE Sensors Journal, 2020, 20, 6945-6953.	4.7	31
6	A waterproof and breathable Cotton/rGO/CNT composite for constructing a layer-by-layer structured multifunctional flexible sensor. Nano Research, 2022, 15, 9341-9351.	10.4	26
7	Study on Multilevel Resistive Switching Behavior With Tunable ON/OFF Ratio Capability in Forming-Free ZnO QDs-Based RRAM. IEEE Transactions on Electron Devices, 2020, 67, 4884-4890.	3.0	24
8	Efficient All-Dielectric Diatomic Metasurface for Linear Polarization Generation and 1-Bit Phase Control. ACS Applied Materials & Interfaces, 2021, 13, 14497-14506.	8.0	20
9	A Digital–Analog Integrated Memristor Based on a ZnO NPs/CuO NWs Heterostructure for Neuromorphic Computing. ACS Applied Electronic Materials, 2022, 4, 3525-3534.	4.3	18
10	Multifunctional Optoelectronic Random Access Memory Device Based on Surfaceâ€Plasmaâ€Treated Inorganic Halide Perovskite. Advanced Electronic Materials, 2021, 7, 2100366.	5.1	15
11	Reusable, Non-Invasive, and Ultrafast Radio Frequency Biosensor Based on Optimized Integrated Passive Device Fabrication Process for Quantitative Detection of Glucose Levels. Sensors, 2020, 20, 1565.	3.8	13
12	Super Field Plate Technique That Can Provide Charge Balance Effect for Lateral Power Devices Without Occupying Drift Region. IEEE Transactions on Electron Devices, 2020, 67, 2218-2222.	3.0	11
13	Three-Dimensional Varying Density Field Plate for Lateral Power Devices. IEEE Transactions on Electron Devices, 2019, 66, 1422-1429.	3.0	10
14	High-performance and self-rectifying resistive random access memory based on SnO <sub>2</sub> nanorod array: ZnO nanoparticle structure. Applied Physics Express, 2019, 12, 121002.	2.4	6
15	An Improved Hot-Carrier Lifetime Evaluation Method for the n-Type LDMOS With Hot-Hole Injection. IEEE Transactions on Electron Devices, 2018, 65, 3567-3571.	3.0	4
16	A novel SOI-LDMOS with field plate auxiliary doping layer that has improved breakdown voltage. Solid-State Electronics, 2022, 189, 108227.	1.4	3
17	Influences of sandwiched structure trench and temperature on the latch-up reliability of LIGBT on thick SOI substrate. , 2017, , .		1

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#	Article	IF	CITATIONS
19	Design of Broadband LNA and RFVGA for DVB Receiver Tuner using CMOS \$0.18-mumathrm{m}\$ Process. , 2019, , .		1
20	A novel partially variable on-time critical mode boost PFC converter. , 2017, , .		0
21	Application of Quantum Generative Adversarial Learning in Quantum Image Processing. , 2020, , .		0
22	AlGaN/GaN HEMTs with electric field modulation effect: a comprehensive study. , 2021, , .		0