

Chunwei Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

503
citations

840776

11
h-index

888059

17
g-index

23
all docs

23
docs citations

23
times ranked

279
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel SOI-LDMOS with field plate auxiliary doping layer that has improved breakdown voltage. Solid-State Electronics, 2022, 189, 108227.	1.4	3
2	Nanostructured perovskites for nonvolatile memory devices. Chemical Society Reviews, 2022, 51, 3341-3379.	38.1	71
3	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
4	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
5	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
6	Artificial Optoelectronic Synapses Based on $\text{TiN}/\text{TiO}_2/\text{MoS}_2$ Heterojunction for Neuromorphic Computing and Visual System. Advanced Functional Materials, 2021, 31, 2101201.	14.9	92
7	Multifunctional Optoelectronic Random Access Memory Device Based on Surface-Plasma-Treated Inorganic Halide Perovskite. Advanced Electronic Materials, 2021, 7, 2100366.	5.1	15
8	Micro-Nano Processing of Active Layers in Flexible Tactile Sensors via Template Methods: A Review. Small, 2021, 17, e2100804.	10.0	82
9	Carbon-based nanomaterials for the detection of volatile organic compounds: A review. Carbon, 2021, 180, 274-297.	10.3	67
10	AlGaIn/GaN HEMTs with electric field modulation effect: a comprehensive study. , 2021, , .		0
11	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
12	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
13	High-Performance Formaldehyde Gas Sensor Based on Cu-Doped Sn_3O_4 Hierarchical Nanoflowers. IEEE Sensors Journal, 2020, 20, 6945-6953.	4.7	31
14	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
15	Application of Quantum Generative Adversarial Learning in Quantum Image Processing. , 2020, , .		0
16	High-performance and self-rectifying resistive random access memory based on SnO_2 nanorod array: ZnO nanoparticle structure. Applied Physics Express, 2019, 12, 121002.	2.4	6
17	A Novel LDMOS with Quadruple RESURF Effect Breaking Silicon Limit. , 2019, , .		1
18	Three-Dimensional Varying Density Field Plate for Lateral Power Devices. IEEE Transactions on Electron Devices, 2019, 66, 1422-1429.	3.0	10

#	ARTICLE	IF	CITATIONS
19	Design of Broadband LNA and RFVGA for DVB Receiver Tuner using CMOS $0.18\text{-}\mu\text{m}$ Process. , 2019, , .		1
20	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
21	Influences of sandwiched structure trench and temperature on the latch-up reliability of LIGBT on thick SOI substrate. , 2017, , .		1
22	A novel partially variable on-time critical mode boost PFC converter. , 2017, , .		0