

Qilin Hua

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4918538/publications.pdf>

Version: 2024-02-01

37
papers

2,235
citations

430442

18
h-index

414034

32
g-index

37
all docs

37
docs citations

37
times ranked

3488
citing authors

#	ARTICLE	IF	CITATIONS
1	Piezo-phototronics in quantum well structures. <i>Journal of Applied Physics</i> , 2022, 131, .	1.1	5
2	Enhanced Photoluminescence of Flexible InGaN/GaN Multiple Quantum Wells on Fabric by Piezo-Phototronic Effect. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 3000-3007.	4.0	7
3	Flexible, stretchable, and transparent InGaN/GaN multiple quantum wells/polyacrylamide hydrogel-based light emitting diodes. <i>Nano Research</i> , 2022, 15, 5492-5499.	5.8	11
4	Formation mechanism of the pinholes in brown glazed stoneware from Yaozhou kiln. <i>Archaeometry</i> , 2022, 64, 644-654.	0.6	5
5	Piezotronics enabled artificial intelligence systems. <i>JPhys Materials</i> , 2021, 4, 022003.	1.8	5
6	Ag/HfO ₂ -based Threshold Switching Memristor as an Oscillatory Neuron. , 2021, , .		1
7	Enhanced Heat Dissipation in Gallium Nitride-Based Light-Emitting Diodes by Piezo-phototronic Effect. <i>Nano Letters</i> , 2021, 21, 4062-4070.	4.5	13
8	A cantilever-structured AlkGaIn/GaN HEMT for building a strain-controlled platform. , 2021, , .		0
9	Stable Ultrathin Perovskite/Polyvinylidene Fluoride Composite Films for Imperceptible Multi-Color Fluorescent Anti-Counterfeiting Labels. <i>Advanced Materials Technologies</i> , 2021, 6, 2100229.	3.0	26
10	Effect of backside dry etching on the device performance of AlGaIn/GaN HEMTs. <i>Nanotechnology</i> , 2021, 32, 355203.	1.3	4
11	Dynamic piezo-phototronic effect in InGaIn/GaN multiple quantum wells. <i>Superlattices and Microstructures</i> , 2021, 155, 106926.	1.4	4
12	MXene enhanced self-powered alternating current electroluminescence devices for patterned flexible displays. <i>Nano Energy</i> , 2021, 86, 106077.	8.2	44
13	A ZnO micro/nanowire-based photonic synapse with piezo-phototronic modulation. <i>Nano Energy</i> , 2021, 89, 106282.	8.2	26
14	Aluminum, Gallium, and Indium Nitrides. , 2021, , 74-83.		10
15	Enhanced performances of AlGaIn/GaN HEMTs with dielectric engineering of HfZrOx. <i>Nano Energy</i> , 2020, 68, 104361.	8.2	18
16	Flexible GaN microwire-based piezotronic sensory memory device. <i>Nano Energy</i> , 2020, 78, 105312.	8.2	13
17	High-Uniformity Threshold Switching HfO ₂ -Based Selectors with Patterned Ag Nanodots. <i>Advanced Science</i> , 2020, 7, 2002251.	5.6	43
18	Atomic threshold-switching enabled MoS ₂ transistors towards ultralow-power electronics. <i>Nature Communications</i> , 2020, 11, 6207.	5.8	52

#	ARTICLE	IF	CITATIONS
19	Strain-controlled power devices as inspired by human reflex. Nature Communications, 2020, 11, 326.	5.8	53
20	Piezotronic Synapse Based on a Single GaN Microwire for Artificial Sensory Systems. Nano Letters, 2020, 20, 3761-3768.	4.5	26
21	A novel steep slope hybrid InGaZnO TFT with negative DIBL improvement based on the Ag/HfO ₂ threshold switching device. Applied Physics Express, 2019, 12, 091002.	1.1	2
22	Low-Voltage Oscillatory Neurons for Memristor-Based Neuromorphic Systems. Global Challenges, 2019, 3, 1900015.	1.8	35
23	Shape-Adaptive, Self-Healable Triboelectric Nanogenerator with Enhanced Performances by Soft Solid Contact Electrification. ACS Nano, 2019, 13, 8936-8945.	7.3	121
24	Piezotronic Effect Modulated Flexible AlGaIn/GaN High-Electron-Mobility Transistors. ACS Nano, 2019, 13, 13161-13168.	7.3	44
25	Threshold Switching Selectors: A Threshold Switching Selector Based on Highly Ordered Ag Nanodots for X-Point Memory Applications (Adv. Sci. 10/2019). Advanced Science, 2019, 6, 1970058.	5.6	4
26	Piezo-phototronic Effect Enhanced Efficient Flexible Perovskite Solar Cells. ACS Nano, 2019, 13, 4507-4513.	7.3	82
27	A Threshold Switching Selector Based on Highly Ordered Ag Nanodots for X-Point Memory Applications. Advanced Science, 2019, 6, 1900024.	5.6	91
28	A Threshold Switching Selector Based on Highly Ordered Ag Nanodots for X-Point Memory Applications. , 2019, 6, 1900024.		1
29	Skin-inspired highly stretchable and conformable matrix networks for multifunctional sensing. Nature Communications, 2018, 9, 244.	5.8	1,034
30	Impact of variations of threshold voltage and hold voltage of threshold switching selectors in 1S1R crossbar array. Chinese Physics B, 2018, 27, 118502.	0.7	5
31	Enhanced performance of Ag-filament threshold switching selector by rapid thermal processing. , 2018, , .		5
32	Bioinspired Electronic Whisker Arrays by Pencil-Drawn Paper for Adaptive Tactile Sensing. Advanced Electronic Materials, 2016, 2, 1600093.	2.6	59
33	A Bamboo-Like GaN Microwire-Based Piezotronic Memristor. Advanced Functional Materials, 2016, 26, 5307-5314.	7.8	24
34	Flexible, Stretchable and Wearable Multifunctional Sensor Array as Artificial Electronic Skin for Static and Dynamic Strain Mapping. Advanced Electronic Materials, 2015, 1, 1500142.	2.6	226
35	Recent Progress in Ohmic/Schottky-Contacted ZnO Nanowire Sensors. Journal of Nanomaterials, 2015, 1-20.	1.5	10
36	CoS NWs/Au Hybridized Networks as Efficient Counter Electrodes for Flexible Sensitized Solar Cells. Advanced Energy Materials, 2015, 5, 1500141.	10.2	46

#	ARTICLE	IF	CITATIONS
37	Flexible quantum dot-sensitized solar cells employing CoS nanorod arrays/graphite paper as effective counter electrodes. <i>Journal of Materials Chemistry A</i> , 2014, 2, 13661.	5.2	80