

# Yuhui

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

686  
citations

687220

13  
h-index

642610

23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

922  
citing authors

#	ARTICLE	IF	CITATIONS
1	Portable Self-Charging Power System via Integration of a Flexible Paper-Based Triboelectric Nanogenerator and Supercapacitor. ACS Sustainable Chemistry and Engineering, 2019, 7, 18657-18666.	3.2	90
2	Curvy, shape-adaptive imagers based on printed optoelectronic pixels with a kirigami design. Nature Electronics, 2021, 4, 513-521.	13.1	87
3	Vapor condensation with daytime radiative cooling. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	86
4	226-nm AlGaIn/AlN UV LEDs using p-type Si for hole injection and UV reflection. Applied Physics Letters, 2018, 113, .	1.5	59
5	High Aspect Ratio $\text{In}_2\text{Ga}_2\text{O}_3$ Fin Arrays with Low-Interface Charge Density by Inverse Metal-Assisted Chemical Etching. ACS Nano, 2019, 13, 8784-8792.	7.3	57
6	Enhanced Performance of Ge Photodiodes via Monolithic Antireflection Texturing and $\text{In}_2\text{Ge}$ Self-Passivation by Inverse Metal-Assisted Chemical Etching. ACS Nano, 2018, 12, 6748-6755.	7.3	50
7	3D Microstructured Scaffolds to Support Photoreceptor Polarization and Maturation. Advanced Materials, 2018, 30, e1803550.	11.1	45
8	Flexible and Stretchable Microwave Electronics: Past, Present, and Future Perspective. Advanced Materials Technologies, 2021, 6, 2000759.	3.0	39
9	Heterogeneously integrated flexible microwave amplifiers on a cellulose nanofibril substrate. Nature Communications, 2020, 11, 3118.	5.8	26
10	Boundary-directed epitaxy of block copolymers. Nature Communications, 2020, 11, 4151.	5.8	22
11	High-Temperature-Annealed Flexible Carbon Nanotube Network Transistors for High-Frequency Wearable Wireless Electronics. ACS Applied Materials & Interfaces, 2020, 12, 26145-26152.	4.0	20
12	Ultrathin micromolded 3D scaffolds for high-density photoreceptor layer reconstruction. Science Advances, 2021, 7, .	4.7	17
13	Releasable High-Performance GaAs Schottky Diodes for Gigahertz Operation of Flexible Bridge Rectifier. Advanced Electronic Materials, 2019, 5, 1800772.	2.6	16
14	AlGaIn/GaN Schottky-Gate HEMTs With UV/O <sub>2</sub> -Treated Gate Interface. IEEE Electron Device Letters, 2020, 41, 1488-1491.	2.2	13
15	Influences of screw dislocations on electroluminescence of AlGaIn/AlN-based UVC LEDs. AIP Advances, 2019, 9, .	0.6	11
16	Fabrication of AlGaAs/GaAs/diamond heterojunctions for diamond-collector HBTs. AIP Advances, 2020, 10, .	0.6	11
17	Photolithography-Based Nanopatterning Using Re-entrant Photoresist Profile. ACS Applied Materials & Interfaces, 2018, 10, 8117-8123.	4.0	8
18	Design and Fabrication of Blue LED-Integrated Graphene Electrodes for Neural Stimulation and Signal Recording. ACS Applied Electronic Materials, 2021, 3, 4308-4316.	2.0	8

#	ARTICLE	IF	CITATIONS
19	Injectable Flexible Subcutaneous Electrode Array Technology for Electrocardiogram Monitoring Device. ACS Biomaterials Science and Engineering, 2020, 6, 2652-2658.	2.6	6
20	Spatially resolved x-ray detection with photonic crystal scintillators. Journal of Applied Physics, 2021, 130, .	1.1	6
21	Atomic-layer-deposited HfO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> laminated dielectrics for bendable Si nanomembrane based MOS capacitors. Applied Physics Letters, 2019, 114, .	1.5	5
22	S- to X-Band Stretchable Inductors and Filters for Gigahertz Soft and Epidermal Electronics. ACS Applied Materials & Interfaces, 2021, 13, 25053-25063.	4.0	3
23	Trench field-effect transistors integrated in a microfluidic channel and design considerations for charge detection. Applied Physics Letters, 2022, 120, 192102.	1.5	1
24	An aquatic-eye inspired miniature camera. Nature Electronics, 2020, 3, 510-511.	13.1	0