

Yuanjing Lin

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

2,547
citations

279798

23
h-index

454955

30
g-index

34
all docs

34
docs citations

34
times ranked

3763
citing authors

#	ARTICLE	IF	CITATIONS
1	A biomimetic eye with a hemispherical perovskite nanowire array retina. <i>Nature</i> , 2020, 581, 278-282.	27.8	392
2	Regional and correlative sweat analysis using high-throughput microfluidic sensing patches toward decoding sweat. <i>Science Advances</i> , 2019, 5, eaaw9906.	10.3	234
3	3D Arrays of 1024â€Pixel Image Sensors based on Lead Halide Perovskite Nanowires. <i>Advanced Materials</i> , 2016, 28, 9713-9721.	21.0	228
4	A Fully Integrated and Self-Powered Smartwatch for Continuous Sweat Glucose Monitoring. <i>ACS Sensors</i> , 2019, 4, 1925-1933.	7.8	184
5	Efficient metal halide perovskite light-emitting diodes with significantly improved light extraction on nanophotonic substrates. <i>Nature Communications</i> , 2019, 10, 727.	12.8	179
6	Printable Fabrication of a Fully Integrated and Selfâ€Powered Sensor System on Plastic Substrates. <i>Advanced Materials</i> , 2019, 31, e1804285.	21.0	148
7	Printable Fabrication of Nanocoralâ€Structured Electrodes for Highâ€Performance Flexible and Planar Supercapacitor with Artistic Design. <i>Advanced Materials</i> , 2017, 29, 1701736.	21.0	125
8	Wearable Sweat Band for Noninvasive Levodopa Monitoring. <i>Nano Letters</i> , 2019, 19, 6346-6351.	9.1	121
9	Porous Enzymatic Membrane for Nanotextured Glucose Sweat Sensors with High Stability toward Reliable Noninvasive Health Monitoring. <i>Advanced Functional Materials</i> , 2019, 29, 1902521.	14.9	120
10	Wireless Self-Powered High-Performance Integrated Nanostructured-Gas-Sensor Network for Future Smart Homes. <i>ACS Nano</i> , 2021, 15, 7659-7667.	14.6	90
11	A Wearable Nutrition Tracker. <i>Advanced Materials</i> , 2021, 33, e2006444.	21.0	70
12	Increasing Photoluminescence Quantum Yield by Nanophotonic Design of Quantum-Confined Halide Perovskite Nanowire Arrays. <i>Nano Letters</i> , 2019, 19, 2850-2857.	9.1	67
13	High performance thin film solar cells on plastic substrates with nanostructure-enhanced flexibility. <i>Nano Energy</i> , 2016, 22, 539-547.	16.0	66
14	Broadband omnidirectional light detection in flexible and hierarchical ZnO/Si heterojunction photodiodes. <i>Nano Research</i> , 2017, 10, 22-36.	10.4	66
15	Surface plasmon resonance enhanced visible-light-driven photocatalytic activity in Cu nanoparticles covered Cu ₂ O microspheres for degrading organic pollutants. <i>Applied Surface Science</i> , 2016, 366, 120-128.	6.1	64
16	Recent progress on printable power supply devices and systems with nanomaterials. <i>Nano Research</i> , 2018, 11, 3065-3087.	10.4	60
17	Wearable Biosensors for Body Computing. <i>Advanced Functional Materials</i> , 2021, 31, 2008087.	14.9	56
18	Nicotine Monitoring with a Wearable Sweat Band. <i>ACS Sensors</i> , 2020, 5, 1831-1837.	7.8	48

#	ARTICLE	IF	CITATIONS
19	Self-powered and wearable biosensors for healthcare. <i>Materials Today Energy</i> , 2022, 23, 100900.	4.7	39
20	A Highly Controllable Electrochemical Anodization Process to Fabricate Porous Anodic Aluminum Oxide Membranes. <i>Nanoscale Research Letters</i> , 2015, 10, 495.	5.7	34
21	Scalable Indium Phosphide Thin-Film Nanophotonics Platform for Photovoltaic and Photoelectrochemical Devices. <i>ACS Nano</i> , 2017, 11, 5113-5119.	14.6	30
22	Flexible energy storage devices for wearable bioelectronics. <i>Journal of Semiconductors</i> , 2021, 42, 101602.	3.7	26
23	Three-dimensional nanotube electrode arrays for hierarchical tubular structured high-performance pseudocapacitors. <i>Nanoscale</i> , 2016, 8, 13280-13287.	5.6	23
24	Facile and Efficient Atomic Hydrogenation Enabled Black TiO ₂ with Enhanced Photoelectrochemical Activity via a Favorably Low Energy Barrier Pathway. <i>Advanced Energy Materials</i> , 2019, 9, 1900725.	19.5	21
25	Enhanced Photoelectrochemical Behavior of H-TiO ₂ Nanorods Hydrogenated by Controlled and Local Rapid Thermal Annealing. <i>Nanoscale Research Letters</i> , 2017, 12, 336.	5.7	16
26	Accelerating ion diffusion with unique three-dimensionally interconnected nanopores for self-membrane high-performance pseudocapacitors. <i>Nanoscale</i> , 2017, 9, 18311-18317.	5.6	12
27	Recent advances in ion-sensitive field-effect transistors for biosensing applications. <i>Electrochemical Science Advances</i> , 2023, 3, .	2.8	11
28	Wearable Biosensors for Body Computing (Adv. Funct. Mater. 39/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170290.	14.9	8
29	Enhanced Ion Sensing Stability with Nanotextured Biosensors. , 2021, , .		3
30	Design of a Horizontally Aligned Perovskite Nanowire LED With Improved Light Extraction. <i>IEEE Journal of the Electron Devices Society</i> , 2021, 9, 1215-1221.	2.1	2
31	A Design of Horizontal Perovskite Nanowire LED for Better Light Extraction. , 2021, , .		1
32	Nanostructured Biosensors and Integrated Systems for Health Monitoring. , 2021, , .		0
33	Porous Enzymatic Membrane for Nanotextured Glucose Sweat Sensors with High Stability Towards Reliable Noninvasive Health Monitoring. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 1903-1903.	0.0	0