

Kaichen Xu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9554451/publications.pdf>

Version: 2024-02-01

29
papers

2,077
citations

331538

21
h-index

552653

26
g-index

30
all docs

30
docs citations

30
times ranked

2426
citing authors

#	ARTICLE	IF	CITATIONS
1	Multifunctional Skin-Inspired Flexible Sensor Systems for Wearable Electronics. <i>Advanced Materials Technologies</i> , 2019, 4, 1800628.	3.0	431
2	Toward Flexible Surface-Enhanced Raman Scattering (SERS) Sensors for Point-of-Care Diagnostics. <i>Advanced Science</i> , 2019, 6, 1900925.	5.6	396
3	Multimodal Plant Healthcare Flexible Sensor System. <i>ACS Nano</i> , 2020, 14, 10966-10975.	7.3	129
4	Highly stable kirigami-structured stretchable strain sensors for perdurable wearable electronics. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9609-9617.	2.7	124
5	A Wearable Body Condition Sensor System with Wireless Feedback Alarm Functions. <i>Advanced Materials</i> , 2021, 33, e2008701.	11.1	104
6	Ag-CuO-ZnO metal-semiconductor multiconcentric nanotubes for achieving superior and perdurable photodegradation. <i>Nanoscale</i> , 2017, 9, 11574-11583.	2.8	96
7	Uniaxially Stretched Flexible Surface Plasmon Resonance Film for Versatile Surface Enhanced Raman Scattering Diagnostics. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 26341-26349.	4.0	91
8	Hedgehog Inspired CuO Nanowires/Cu ₂ O Composites for Broadband Visible-Light-Driven Recyclable Surface Enhanced Raman Scattering. <i>Advanced Optical Materials</i> , 2018, 6, 1701167.	3.6	82
9	Flexible Hybrid Sensor Systems with Feedback Functions. <i>Advanced Functional Materials</i> , 2021, 31, 2007436.	7.8	80
10	Hybrid micro/nano-structure formation by angular laser texturing of Si surface for surface enhanced Raman scattering. <i>Optics Express</i> , 2016, 24, 10352.	1.7	77
11	Nanophotonic-Engineered Photothermal Harnessing for Waste Heat Management and Pyroelectric Generation. <i>ACS Nano</i> , 2017, 11, 10568-10574.	7.3	75
12	Highly Precise Multifunctional Thermal Management-Based Flexible Sensing Sheets. <i>ACS Nano</i> , 2019, 13, 14348-14356.	7.3	57
13	Recent progress on two-dimensional layered materials for surface enhanced Raman spectroscopy and their applications. <i>Materials Today Physics</i> , 2021, 18, 100378.	2.9	40
14	Femtosecond laser patterned superhydrophobic/hydrophobic SERS sensors for rapid positioning ultratrace detection. <i>Optics Express</i> , 2021, 29, 16904.	1.7	37
15	Wireless and Flexible Skin Moisture and Temperature Sensor Sheets toward the Study of Thermoregulator Center. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100103.	3.9	36
16	Highly stable Pd/HNb ₃ O ₈ -based flexible humidity sensor for perdurable wireless wearable applications. <i>Nanoscale Horizons</i> , 2021, 6, 260-270.	4.1	36
17	Emerging wearable flexible sensors for sweat analysis. <i>Bio-Design and Manufacturing</i> , 2022, 5, 64-84.	3.9	29
18	Stacking of colors in exfoliable plasmonic superlattices. <i>Nanoscale</i> , 2016, 8, 18228-18234.	2.8	27

#	ARTICLE	IF	CITATIONS
19	Femtosecond Laser Fabricated Elastomeric Superhydrophobic Surface with Stretching-Enhanced Water Repellency. <i>Nanoscale Research Letters</i> , 2019, 14, 333.	3.1	27
20	Periodic Upright Nanopyramids for Light Management Applications in Ultrathin Crystalline Silicon Solar Cells. <i>IEEE Journal of Photovoltaics</i> , 2017, 7, 493-501.	1.5	26
21	A Fully Printed Flexible Sensor Sheet for Simultaneous Proximity"Pressure"Temperature Detection. <i>Advanced Materials Technologies</i> , 2021, 6, 2100616.	3.0	26
22	Soft Robot Skin With Conformal Adaptability for On-Body Tactile Perception of Collaborative Robots. <i>IEEE Robotics and Automation Letters</i> , 2022, 7, 5127-5134.	3.3	20
23	Bioinspired Co"Design of Tactile Sensor and Deep Learning Algorithm for Human"Robot Interaction. <i>Advanced Intelligent Systems</i> , 2022, 4, .	3.3	14
24	Morphology and electrical characteristics of polymer: Fullerene films deposited by electrospray. <i>Solar Energy Materials and Solar Cells</i> , 2018, 183, 137-145.	3.0	11
25	Wireless and Flexible Skin Moisture and Temperature Sensor Sheets toward the Study of Thermoregulator Center (<i>Adv. Healthcare Mater.</i> 17/2021). <i>Advanced Healthcare Materials</i> , 2021, 10, 2170078.	3.9	2
26	Preparation of Three-Dimensional Carbon Microtube/Carbon Nanotube Composites and Their Application in Supercapacitor. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2012, 28, 2269-2275.	2.2	1
27	Wearable Sensors: A Wearable Body Condition Sensor System with Wireless Feedback Alarm Functions (<i>Adv. Mater.</i> 18/2021). <i>Advanced Materials</i> , 2021, 33, 2170141.	11.1	0
28	Uniaxially Stretched Flexible Surface Plasmon Resonance Film for Versatile Surface Enhanced Raman Scattering Diagnostics. , 2017, , .		0
29	A Fully Printed Flexible Sensor Sheet for Simultaneous Proximity"Pressure"Temperature Detection (<i>Adv. Mater. Technol.</i> 11/2021). <i>Advanced Materials Technologies</i> , 2021, 6, 2170065.	3.0	0