

Yongbiao Wan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

15
papers

694
citations

8
h-index

15
g-index

15
ext. papers

902
ext. citations

7.8
avg, IF

4.1
L-index

#	Paper	IF	Citations
15	A flexible and stretchable bionic true random number generator.. <i>Nano Research</i> , 2022 , 1-9	10	1
14	Authentication of Optical Physical Unclonable Functions Based on Single-Pixel Detection. <i>Physical Review Applied</i> , 2021 , 16,	4.3	4
13	Experimental observation of the linear gain of back-illuminated ultraviolet avalanche photodiodes using a GaN/AlN periodically stacked structure. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 285107	3	0
12	Fast random number generator based on optical physical unclonable functions. <i>Optics Letters</i> , 2021 , 46, 4875-4878	3	2
11	PEDOT:PSS/Grafted-PDMS Electrodes for Fully Organic and Intrinsically Stretchable Skin-like Electronics. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 10373-10379	9.5	49
10	A Highly Sensitive Flexible Capacitive Tactile Sensor with Sparse and High-Aspect-Ratio Microstructures. <i>Advanced Electronic Materials</i> , 2018 , 4, 1700586	6.4	154
9	Thermal, Waterproof, Breathable, and Antibacterial Cloth with a Nanoporous Structure. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 2026-2032	9.5	90
8	Ionic Skin with Biomimetic Dielectric Layer Templated from Calathea Zebrine Leaf. <i>Advanced Functional Materials</i> , 2018 , 28, 1802343	15.6	129
7	Natural Plant Materials as Dielectric Layer for Highly Sensitive Flexible Electronic Skin. <i>Small</i> , 2018 , 14, e1801657	11	99
6	A well-grown β -Ga ₂ O ₃ microrod array formed from GaOOH on a Si (100) substrate and growth mechanism study. <i>CrystEngComm</i> , 2018 , 20, 4329-4335	3.3	12
5	Artificial Skin: Ionic Skin with Biomimetic Dielectric Layer Templated from Calathea Zebrine Leaf (Adv. Funct. Mater. 37/2018). <i>Advanced Functional Materials</i> , 2018 , 28, 1870264	15.6	3
4	Electronic Skins: Natural Plant Materials as Dielectric Layer for Highly Sensitive Flexible Electronic Skin (Small 35/2018). <i>Small</i> , 2018 , 14, 1870161	11	0
3	Efficient UV photodetector based on heterojunction of n-ZnO nanorods/p-diamond film. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 11172-11177	2.1	12
2	Recent progresses on flexible tactile sensors. <i>Materials Today Physics</i> , 2017 , 1, 61-73	8	137
1	Bionic optical physical unclonable functions for authentication and encryption. <i>Journal of Materials Chemistry C</i> ,	7.1	2