

# Yasser Khan

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

4,097  
citations

331259

21  
h-index

552369

26  
g-index

32  
all docs

32  
docs citations

32  
times ranked

6330  
citing authors

#	ARTICLE	IF	CITATIONS
1	Monitoring of Vital Signs with Flexible and Wearable Medical Devices. <i>Advanced Materials</i> , 2016, 28, 4373-4395.	11.1	1,033
2	All-organic optoelectronic sensor for pulse oximetry. <i>Nature Communications</i> , 2014, 5, 5745.	5.8	555
3	A New Frontier of Printed Electronics: Flexible Hybrid Electronics. <i>Advanced Materials</i> , 2020, 32, e1905279.	11.1	475
4	A wearable biosensing system with in-sensor adaptive machine learning for hand gesture recognition. <i>Nature Electronics</i> , 2021, 4, 54-63.	13.1	317
5	Flexible Hybrid Electronics: Direct Interfacing of Soft and Hard Electronics for Wearable Health Monitoring. <i>Advanced Functional Materials</i> , 2016, 26, 8764-8775.	7.8	236
6	A flexible organic reflectance oximeter array. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E11015-E11024.	3.3	201
7	High-performance flexible energy storage and harvesting system for wearable electronics. <i>Scientific Reports</i> , 2016, 6, 26122.	1.6	182
8	Impedance sensing device enables early detection of pressure ulcers in vivo. <i>Nature Communications</i> , 2015, 6, 6575.	5.8	176
9	Inkjet-Printed Flexible Gold Electrode Arrays for Bioelectronic Interfaces. <i>Advanced Functional Materials</i> , 2016, 26, 1004-1013.	7.8	133
10	Identifying orthogonal solvents for solution processed organic transistors. <i>Organic Electronics</i> , 2016, 30, 18-29.	1.4	90
11	Flexible Blade-Coated Multicolor Polymer Light-Emitting Diodes for Optoelectronic Sensors. <i>Advanced Materials</i> , 2017, 29, 1606206.	11.1	84
12	Enhanced energy storage in chaotic optical resonators. <i>Nature Photonics</i> , 2013, 7, 473-478.	15.6	77
13	A potentiometric mechanotransduction mechanism for novel electronic skins. <i>Science Advances</i> , 2020, 6, eaba1062.	4.7	68
14	An EMG Gesture Recognition System with Flexible High-Density Sensors and Brain-Inspired High-Dimensional Classifier. , 2018, , .		65
15	Organic Multi-Channel Optoelectronic Sensors for Wearable Health Monitoring. <i>IEEE Access</i> , 2019, 7, 128114-128124.	2.6	60
16	Flexible Fringe Effect Capacitive Sensors with Simultaneous High-Performance Contact and Non-Contact Sensing Capabilities. <i>Small Structures</i> , 2021, 2, 2000079.	6.9	57
17	Large-Area Fabrication of High-Performance Flexible and Wearable Pressure Sensors. <i>Advanced Electronic Materials</i> , 2020, 6, 1901310.	2.6	53
18	Pulse Oximetry Using Organic Optoelectronics under Ambient Light. <i>Advanced Materials Technologies</i> , 2020, 5, 1901122.	3.0	50

#	ARTICLE	IF	CITATIONS
19	Two-step controllable electrochemical etching of tungsten scanning probe microscopy tips. Review of Scientific Instruments, 2012, 83, 063708.	0.6	41
20	Optimization of printed sensors to monitor sodium, ammonium, and lactate in sweat. APL Materials, 2020, 8, .	2.2	33
21	Emission Area Patterning of Organic Light-Emitting Diodes (OLEDs) via Printed Dielectrics. Advanced Functional Materials, 2018, 28, 1802986.	7.8	29
22	Stress Markers for Mental States and Biotypes of Depression and Anxiety: A Scoping Review and Preliminary Illustrative Analysis. Chronic Stress, 2021, 5, 247054702110003.	1.7	22
23	Reliability Challenges in Fabrication of Flexible Hybrid Electronics for Human Performance Monitors: A System-Level Study. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2019, 9, 1872-1887.	1.4	21
24	Local electrochemical control of hydrogel microactuators in microfluidics. Journal of Micromechanics and Microengineering, 2018, 28, 105005.	1.5	9
25	Post-surgical wireless monitoring of arterial health progression. IScience, 2021, 24, 103079.	1.9	9
26	System design for organic pulse oximeter. , 2015, , .		8
27	Impedance sensing device for monitoring ulcer healing in human patients. , 2015, 2015, 5130-3.		8
28	Wireless Embedded Control System for Atomically Precise Manufacturing. , 2011, , .		1
29	A soft-electronic sensor network tracks neuromotor development in infants. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	1