

Kevin Chen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5614843/publications.pdf>

Version: 2024-02-01

19
papers

6,559
citations

471061

17
h-index

794141

19
g-index

20
all docs

20
docs citations

20
times ranked

9256
citing authors

#	ARTICLE	IF	CITATIONS
1	Fully integrated wearable sensor arrays for multiplexed in situ perspiration analysis. <i>Nature</i> , 2016, 529, 509-514.	13.7	3,508
2	Autonomous sweat extraction and analysis applied to cystic fibrosis and glucose monitoring using a fully integrated wearable platform. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4625-4630.	3.3	573
3	A Wearable Electrochemical Platform for Noninvasive Simultaneous Monitoring of Ca ²⁺ and pH. <i>ACS Nano</i> , 2016, 10, 7216-7224.	7.3	480
4	Wearable Microfluidic Diaphragm Pressure Sensor for Health and Tactile Touch Monitoring. <i>Advanced Materials</i> , 2017, 29, 1701985.	11.1	431
5	Wearable Microsensor Array for Multiplexed Heavy Metal Monitoring of Body Fluids. <i>ACS Sensors</i> , 2016, 1, 866-874.	4.0	297
6	Bioinformatics for Whole-Genome Shotgun Sequencing of Microbial Communities. <i>PLoS Computational Biology</i> , 2005, 1, e24.	1.5	292
7	Highly deformable liquid-state heterojunction sensors. <i>Nature Communications</i> , 2014, 5, 5032.	5.8	221
8	Application of 3D Printing for Smart Objects with Embedded Electronic Sensors and Systems. <i>Advanced Materials Technologies</i> , 2016, 1, 1600013.	3.0	167
9	19.2% Efficient InP Heterojunction Solar Cell with Electron-Selective TiO ₂ Contact. <i>ACS Photonics</i> , 2014, 1, 1245-1250.	3.2	116
10	3D Printed "Wearable" Smart Devices for Real-Time Detection of Core Body Temperature. <i>ACS Sensors</i> , 2017, 2, 990-997.	4.0	105
11	A fully roll-to-roll gravure-printed carbon nanotube-based active matrix for multi-touch sensors. <i>Scientific Reports</i> , 2015, 5, 17707.	1.6	96
12	Air stable n-doping of WSe ₂ by silicon nitride thin films with tunable fixed charge density. <i>APL Materials</i> , 2014, 2, .	2.2	76
13	Fully printed flexible and disposable wireless cyclic voltammetry tag. <i>Scientific Reports</i> , 2015, 5, 8105.	1.6	61
14	Direct growth of single-crystalline III-V semiconductors on amorphous substrates. <i>Nature Communications</i> , 2016, 7, 10502.	5.8	45
15	Nanoscale Junction Formation by Gas-Phase Monolayer Doping. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 20648-20655.	4.0	22
16	Enhanced Near-Bandgap Response in InP Nanopillar Solar Cells. <i>Advanced Energy Materials</i> , 2014, 4, 1400061.	10.2	21
17	Oriented Growth of Gold Nanowires on MoS ₂ . <i>Advanced Functional Materials</i> , 2015, 25, 6257-6264.	7.8	21
18	Wearable sweat biosensors. , 2016, , .		20

#	ARTICLE	IF	CITATIONS
19	Wearable Devices: Wearable Microfluidic Diaphragm Pressure Sensor for Health and Tactile Touch Monitoring (Adv. Mater. 39/2017). Advanced Materials, 2017, 29, .	11.1	6