

Yongkuk Lee

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1654090/publications.pdf>

Version: 2024-02-01

26
papers

836
citations

623734

14
h-index

677142

22
g-index

26
all docs

26
docs citations

26
times ranked

1235
citing authors

#	ARTICLE	IF	CITATIONS
1	Wireless, intraoral hybrid electronics for real-time quantification of sodium intake toward hypertension management. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5377-5382.	7.1	137
2	Fully portable and wireless universal brain-machine interfaces enabled by flexible scalp electronics and deep learning algorithm. Nature Machine Intelligence, 2019, 1, 412-422.	16.0	109
3	All-in-One, Wireless, Stretchable Hybrid Electronics for Smart, Connected, and Ambulatory Physiological Monitoring. Advanced Science, 2019, 6, 1900939.	11.2	102
4	Soft, wireless periocular wearable electronics for real-time detection of eye vergence in a virtual reality toward mobile eye therapies. Science Advances, 2020, 6, eaay1729.	10.3	98
5	Soft, conformal bioelectronics for a wireless human-wheelchair interface. Biosensors and Bioelectronics, 2017, 91, 796-803.	10.1	77
6	Recent advances in salivary cancer diagnostics enabled by biosensors and bioelectronics. Biosensors and Bioelectronics, 2016, 81, 181-197.	10.1	51
7	Ultrahigh Conductivity and Superior Interfacial Adhesion of a Nanostructured, Photonic-Sintered Copper Membrane for Printed Flexible Hybrid Electronics. ACS Applied Materials & Interfaces, 2018, 10, 44071-44079.	8.0	43
8	Soft Electronics Enabled Ergonomic Human-Computer Interaction for Swallowing Training. Scientific Reports, 2017, 7, 46697.	3.3	32
9	All-in-one, wireless, fully flexible sodium sensor system with integrated Au/CNT/Au nanocomposites. Sensors and Actuators B: Chemical, 2021, 331, 129416.	7.8	24
10	Wireless, Flexible, Ion-Selective Electrode System for Selective and Repeatable Detection of Sodium. Sensors, 2020, 20, 3297.	3.8	22
11	Development of Flexible Ion-Selective Electrodes for Saliva Sodium Detection. Sensors, 2021, 21, 1642.	3.8	19
12	Smart bioelectronic pacifier for real-time continuous monitoring of salivary electrolytes. Biosensors and Bioelectronics, 2022, 210, 114329.	10.1	19
13	Microstructured Thin Film Nitinol for a Neurovascular Flow-Diverter. Scientific Reports, 2016, 6, 23698.	3.3	17
14	Recent Advances in Nanoparticle Concentration and Their Application in Viral Detection Using Integrated Sensors. Sensors, 2017, 17, 2316.	3.8	15
15	Rapid and efficient sonochemical formation of gold nanoparticles under ambient conditions using functional alkoxysilane. Ultrasonics Sonochemistry, 2013, 20, 610-617.	8.2	14
16	Soft Material-Enabled, Active Wireless, Thin-Film Bioelectronics for Quantitative Diagnostics of Cervical Dystonia. Advanced Materials Technologies, 2019, 4, 1900458.	5.8	12
17	Selective attachment of F-actin with controlled length for developing an intelligent nanodevice. Journal of Colloid and Interface Science, 2011, 356, 182-189.	9.4	9
18	A visualized observation of calcium-dependent gelsolin activity upon the surface coverage of fluorescent-tagged actin filaments. Journal of Colloid and Interface Science, 2013, 389, 182-187.	9.4	8

#	ARTICLE	IF	CITATIONS
19	Directional Transport by Nonprocessive Motor Proteins on Fascin-Cross-Linked Actin Arrays. Nano Letters, 2013, 13, 3775-3782.	9.1	7
20	Swallowing detection for game control: Using skin-like electronics to support people with dysphagia. , 2017, , .		6
21	Stretchable Hybrid Electronics: All-Optical, Wireless, Stretchable Hybrid Electronics for Smart, Connected, and Ambulatory Physiological Monitoring (Adv. Sci. 17/2019). Advanced Science, 2019, 6, 1970104.	11.2	4
22	Enhancing the performance of dielectric elastomer actuators through the approach of distributed electrode array with fractal interconnects architecture. Journal of Micromechanics and Microengineering, 2021, 31, 064002.	2.6	4
23	The movement of actin-myosin biomolecular linear motor under AC electric fields: An experimental study. Journal of Colloid and Interface Science, 2013, 394, 312-318.	9.4	3
24	An Implantable, Stretchable Microflow Sensor Integrated with a Thin-Film Nitinol Stent. , 2016, , .		2
25	Fractal-Structured, Wearable Soft Sensors for Control of a Robotic Wheelchair via Electrooculograms. , 2017, , .		2
26	Flexible Electronics: Soft Material-Enabled, Active Wireless, Thin-Film Bioelectronics for Quantitative Diagnostics of Cervical Dystonia (Adv. Mater. Technol. 10/2019). Advanced Materials Technologies, 2019, 4, 1970055.	5.8	0