Yongkuk Lee

List of Publications by Year
in descending order

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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	Smart bioelectronic pacifier for real-time continuous monitoring of salivary electrolytes. Biosensors and Bioelectronics, 2022, 210, 114329.	10.1	19
2	Development of Flexible Ion-Selective Electrodes for Saliva Sodium Detection. Sensors, 2021, 21, 1642.	3.8	19
3	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
4	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
5	Wireless, Flexible, Ion-Selective Electrode System for Selective and Repeatable Detection of Sodium. Sensors, 2020, 20, 3297.	3.8	22
6	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
7	Soft Materialâ€Enabled, Active Wireless, Thinâ€Film Bioelectronics for Quantitative Diagnostics of Cervical Dystonia. Advanced Materials Technologies, 2019, 4, 1900458.	5.8	12
8	Allâ€inâ€One, Wireless, Stretchable Hybrid Electronics for Smart, Connected, and Ambulatory Physiological Monitoring. Advanced Science, 2019, 6, 1900939.	11.2	102
9	Stretchable Hybrid Electronics: Allâ€inâ€One, Wireless, Stretchable Hybrid Electronics for Smart, Connected, and Ambulatory Physiological Monitoring (Adv. Sci. 17/2019). Advanced Science, 2019, 6, 1970104.	11.2	4
10	Flexible Electronics: Soft Materialâ€Enabled, Active Wireless, Thinâ€Film Bioelectronics for Quantitative Diagnostics of Cervical Dystonia (Adv. Mater. Technol. 10/2019). Advanced Materials Technologies, 2019, 4, 1970055.	5.8	0
11	Fully portable and wireless universal brainâ€“machine interfaces enabled by flexible scalp electronics and deep learning algorithm. Nature Machine Intelligence, 2019, 1, 412-422.	16.0	109
12	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
13	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
14	Soft, conformal bioelectronics for a wireless human-wheelchair interface. Biosensors and Bioelectronics, 2017, 91, 796-803.	10.1	77
15	Soft Electronics Enabled Ergonomic Human-Computer Interaction for Swallowing Training. Scientific Reports, 2017, 7, 46697.	3.3	32
16	Fractal-Structured, Wearable Soft Sensors for Control of a Robotic Wheelchair via Electrooculograms. , 2017, , .		2
17	Swallowing detection for game control: Using skin-like electronics to support people with dysphagia. , 2017, , .		6
18	Recent Advances in Nanoparticle Concentration and Their Application in Viral Detection Using Integrated Sensors. Sensors, 2017, 17, 2316.	3.8	15

#	Article	IF	Citations
19	Microstructured Thin Film Nitinol for a Neurovascular Flow-Diverter. Scientific Reports, 2016, 6, 23698.	3.3	17
20	An Implantable, Stretchable Microflow Sensor Integrated with a Thin-Film Nitinol Stent. , 2016, , .		2
21	Recent advances in salivary cancer diagnostics enabled by biosensors and bioelectronics. Biosensors and Bioelectronics, 2016, 81, 181-197.	10.1	51
22	Directional Transport by Nonprocessive Motor Proteins on Fascin-Cross-Linked Actin Arrays. Nano Letters, 2013, 13, 3775-3782.	9.1	7
23	Rapid and efficient sonochemical formation of gold nanoparticles under ambient conditions using functional alkoxysilane. Ultrasonics Sonochemistry, 2013, 20, 610-617.	8.2	14
24	The movement of actinâ€“myosin biomolecular linear motor under AC electric fields: An experimental study. Journal of Colloid and Interface Science, 2013, 394, 312-318.	9.4	3
25	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
26	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