

Shinjae Kwon

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

763
citations

516710

16
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

693
citing authors

#	ARTICLE	IF	CITATIONS
1	All-printed nanomembrane wireless bioelectronics using a biocompatible solderable graphene for multimodal human-machine interfaces. <i>Nature Communications</i> , 2020, 11, 3450.	12.8	124
2	All-in-One, Wireless, Stretchable Hybrid Electronics for Smart, Connected, and Ambulatory Physiological Monitoring. <i>Advanced Science</i> , 2019, 6, 1900939.	11.2	102
3	Recent advances in wearable sensors and portable electronics for sleep monitoring. <i>IScience</i> , 2021, 24, 102461.	4.1	92
4	Fully Integrated, Stretchable, Wireless Skin-Conformal Bioelectronics for Continuous Stress Monitoring in Daily Life. <i>Advanced Science</i> , 2020, 7, 2000810.	11.2	79
5	Ultrahigh Conductivity and Superior Interfacial Adhesion of a Nanostructured, Photonic-Sintered Copper Membrane for Printed Flexible Hybrid Electronics. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 44071-44079.	8.0	43
6	Skin-conformal, soft material-enabled bioelectronic system with minimized motion artifacts for reliable health and performance monitoring of athletes. <i>Biosensors and Bioelectronics</i> , 2020, 151, 111981.	10.1	40
7	Wireless Soft Scalp Electronics and Virtual Reality System for Motor Imagery-Based Brain-Machine Interfaces. <i>Advanced Science</i> , 2021, 8, e2101129.	11.2	31
8	At-home wireless monitoring of acute hemodynamic disturbances to detect sleep apnea and sleep stages via a soft sternal patch. <i>Science Advances</i> , 2021, 7, eabl4146.	10.3	30
9	Breathable, large-area epidermal electronic systems for recording electromyographic activity during operant conditioning of H-reflex. <i>Biosensors and Bioelectronics</i> , 2020, 165, 112404.	10.1	25
10	All-in-one, wireless, fully flexible sodium sensor system with integrated Au/CNT/Au nanocomposites. <i>Sensors and Actuators B: Chemical</i> , 2021, 331, 129416.	7.8	24
11	Soft Wireless Bioelectronics and Differential Electrodermal Activity for Home Sleep Monitoring. <i>Sensors</i> , 2021, 21, 354.	3.8	23
12	Wireless, Flexible, Ion-Selective Electrode System for Selective and Repeatable Detection of Sodium. <i>Sensors</i> , 2020, 20, 3297.	3.8	22
13	Soft Nanomembrane Sensors and Flexible Hybrid Bioelectronics for Wireless Quantification of Blepharospasm. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 3094-3100.	4.2	19
14	Wireless, continuous monitoring of daily stress and management practice via soft bioelectronics. <i>Biosensors and Bioelectronics</i> , 2021, 173, 112764.	10.1	19
15	Development of Flexible Ion-Selective Electrodes for Saliva Sodium Detection. <i>Sensors</i> , 2021, 21, 1642.	3.8	19
16	Soft Wireless Bioelectronics Designed for Real-Time, Continuous Health Monitoring of Farmworkers. <i>Advanced Healthcare Materials</i> , 2022, 11, e2200170.	7.6	19
17	Automatic and Accurate Sleep Stage Classification via a Convolutional Deep Neural Network and Nanomembrane Electrodes. <i>Biosensors</i> , 2022, 12, 155.	4.7	17
18	Wireless, Skin-Like Membrane Electronics With Multifunctional Ergonomic Sensors for Enhanced Pediatric Care. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 2159-2165.	4.2	14

#	ARTICLE	IF	CITATIONS
19	Real-time Functional Assay of Volumetric Muscle Loss Injured Mouse Masseter Muscles via Nanomembrane Electronics. <i>Advanced Science</i> , 2021, 8, e2101037.	11.2	12
20	Stretchable Hybrid Electronics: All-in-One, Wireless, Stretchable Hybrid Electronics for Smart, Connected, and Ambulatory Physiological Monitoring (<i>Adv. Sci.</i> 17/2019). <i>Advanced Science</i> , 2019, 6, 1970104.	11.2	4
21	Use of Superelastic Nitinol and Highly-Stretchable Latex to Develop a Tongue Prosthetic Assist Device and Facilitate Swallowing for Dysphagia Patients. <i>Materials</i> , 2019, 12, 3555.	2.9	4
22	Wireless Soft Hybrid Electronics for Safe and Effective Cardiac Monitoring in Pediatric Care. , 2019, , .		1