

Yun-Soung Kim

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,868
citations

393982

19
h-index

454577

30
g-index

32
all docs

32
docs citations

32
times ranked

2617
citing authors

#	ARTICLE	IF	CITATIONS
1	Soft Wireless Bioelectronics Designed for Real-Time, Continuous Health Monitoring of Farmworkers. <i>Advanced Healthcare Materials</i> , 2022, 11, e2200170.	3.9	19
2	Fully portable continuous real-time auscultation with a soft wearable stethoscope designed for automated disease diagnosis. <i>Science Advances</i> , 2022, 8, .	4.7	44
3	Recent Advances in Wearable Sensors and Integrated Functional Devices for Virtual and Augmented Reality Applications. <i>Advanced Functional Materials</i> , 2021, 31, 2005692.	7.8	58
4	Wireless, continuous monitoring of daily stress and management practice via soft bioelectronics. <i>Biosensors and Bioelectronics</i> , 2021, 173, 112764.	5.3	19
5	Development of Flexible Ion-Selective Electrodes for Saliva Sodium Detection. <i>Sensors</i> , 2021, 21, 1642.	2.1	19
6	Strain-Isolating Materials and Interfacial Physics for Soft Wearable Bioelectronics and Wireless, Motion Artifact-Controlled Health Monitoring. <i>Advanced Functional Materials</i> , 2021, 31, 2104070.	7.8	34
7	Nanomanufacturing of Smart and Connected Bioelectronics Through Nanomaterial Printing, Hybrid Material Integration, and Soft Packaging. , 2021, , .		0
8	Wireless Soft Scalp Electronics and Virtual Reality System for Motor Imagery-Based Brain-Machine Interfaces. <i>Advanced Science</i> , 2021, 8, e2101129.	5.6	31
9	Recent Advances in Wearable Sensors and Integrated Functional Devices for Virtual and Augmented Reality Applications (<i>Adv. Funct. Mater.</i> 39/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170289.	7.8	6
10	Advances in Microsensors and Wearable Bioelectronics for Digital Stethoscopes in Health Monitoring and Disease Diagnosis. <i>Advanced Healthcare Materials</i> , 2021, 10, e2101400.	3.9	30
11	Soft Wearable Patch for Continuous Cardiac Biometric Security. <i>Engineering Proceedings</i> , 2021, 10, .	0.4	1
12	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.	4.7	30
13	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.	5.3	40
14	Wireless, Skin-Like Membrane Electronics With Multifunctional Ergonomic Sensors for Enhanced Pediatric Care. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 2159-2165.	2.5	14
15	All-printed nanomembrane wireless bioelectronics using a biocompatible solderable graphene for multimodal human-machine interfaces. <i>Nature Communications</i> , 2020, 11, 3450.	5.8	124
16	Stretchable Nanocomposite Sensors, Nanomembrane Interconnectors, and Wireless Electronics toward Feedback Loop Control of a Soft Earthworm Robot. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 43388-43397.	4.0	35
17	Printed, Wireless, Soft Bioelectronics and Deep Learning Algorithm for Smart Human-Machine Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 49398-49406.	4.0	45
18	Fully Integrated, Stretchable, Wireless Skin-Conformal Bioelectronics for Continuous Stress Monitoring in Daily Life. <i>Advanced Science</i> , 2020, 7, 2000810.	5.6	79

#	ARTICLE	IF	CITATIONS
19	Wireless, Flexible, Ion-Selective Electrode System for Selective and Repeatable Detection of Sodium. <i>Sensors</i> , 2020, 20, 3297.	2.1	22
20	Soft, wireless periocular wearable electronics for real-time detection of eye vergence in a virtual reality toward mobile eye therapies. <i>Science Advances</i> , 2020, 6, eaay1729.	4.7	98
21	Ultrathin, long-term stable, solid-state reference electrode enabled by enhanced interfacial adhesion and conformal coating of AgCl. <i>Sensors and Actuators B: Chemical</i> , 2020, 309, 127761.	4.0	21
22	Soft Nanomembrane Sensors and Flexible Hybrid Bioelectronics for Wireless Quantification of Blepharospasm. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 3094-3100.	2.5	19
23	All- In^{III} One, Wireless, Stretchable Hybrid Electronics for Smart, Connected, and Ambulatory Physiological Monitoring. <i>Advanced Science</i> , 2019, 6, 1900939.	5.6	102
24	Radiotherapy-Compatible Robotic System for Multi-Landmark Positioning in Head and Neck Cancer Treatments. <i>Scientific Reports</i> , 2019, 9, 14358.	1.6	2
25	Stretchable Hybrid Electronics: All- In^{III} 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.	5.6	4
26	Wireless Soft Hybrid Electronics for Safe and Effective Cardiac Monitoring in Pediatric Care. , 2019, , .		1
27	Fully portable and wireless universal brain-machine interfaces enabled by flexible scalp electronics and deep learning algorithm. <i>Nature Machine Intelligence</i> , 2019, 1, 412-422.	8.3	109
28	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.	4.0	43
29	Advances in Materials for Recent Low-Profile Implantable Bioelectronics. <i>Materials</i> , 2018, 11, 522.	1.3	38
30	Stretchable, Implantable, Nanostructured Flow-Diverter System for Quantification of Intra-aneurysmal Hemodynamics. <i>ACS Nano</i> , 2018, 12, 8706-8716.	7.3	18
31	Scalable Manufacturing of Solderable and Stretchable Physiologic Sensing Systems. <i>Advanced Materials</i> , 2017, 29, 1701312.	11.1	49
32	Multifunctional Epidermal Electronics Printed Directly Onto the Skin. <i>Advanced Materials</i> , 2013, 25, 2773-2778.	11.1	714