

Yun-Soung Kim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4259538/publications.pdf>

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	Multifunctional Epidermal Electronics Printed Directly Onto the Skin. <i>Advanced Materials</i> , 2013, 25, 2773-2778.	11.1	714
2	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
3	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
4	All-in-One, Wireless, Stretchable Hybrid Electronics for Smart, Connected, and Ambulatory Physiological Monitoring. <i>Advanced Science</i> , 2019, 6, 1900939.	5.6	102
5	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
6	Fully Integrated, Stretchable, Wireless Skin-Conformal Bioelectronics for Continuous Stress Monitoring in Daily Life. <i>Advanced Science</i> , 2020, 7, 2000810.	5.6	79
7	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
8	Scalable Manufacturing of Solderable and Stretchable Physiologic Sensing Systems. <i>Advanced Materials</i> , 2017, 29, 1701312.	11.1	49
9	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
10	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
11	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
12	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
13	Advances in Materials for Recent Low-Profile Implantable Bioelectronics. <i>Materials</i> , 2018, 11, 522.	1.3	38
14	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
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Wireless, Flexible, Ion-Selective Electrode System for Selective and Repeatable Detection of Sodium. Sensors, 2020, 20, 3297.	2.1	22
20	Ultrathin, long-term stable, solid-state reference electrode enabled by enhanced interfacial adhesion and conformal coating of AgCl. Sensors and Actuators B: Chemical, 2020, 309, 127761.	4.0	21
21	Soft Nanomembrane Sensors and Flexible Hybrid Bioelectronics for Wireless Quantification of Blepharospasm. IEEE Transactions on Biomedical Engineering, 2020, 67, 3094-3100.	2.5	19
22	Wireless, continuous monitoring of daily stress and management practice via soft bioelectronics. Biosensors and Bioelectronics, 2021, 173, 112764.	5.3	19
23	Development of Flexible Ion-Selective Electrodes for Saliva Sodium Detection. Sensors, 2021, 21, 1642.	2.1	19
24	Soft Wireless Bioelectronics Designed for Real-Time, Continuous Health Monitoring of Farmworkers. Advanced Healthcare Materials, 2022, 11, e2200170.	3.9	19
25	Stretchable, Implantable, Nanostructured Flow-Diverter System for Quantification of Intra-aneurysmal Hemodynamics. ACS Nano, 2018, 12, 8706-8716.	7.3	18
26	Wireless, Skin-Like Membrane Electronics With Multifunctional Ergonomic Sensors for Enhanced Pediatric Care. IEEE Transactions on Biomedical Engineering, 2020, 67, 2159-2165.	2.5	14
27	Recent Advances in Wearable Sensors and Integrated Functional Devices for Virtual and Augmented Reality Applications (Adv. Funct. Mater. 39/2021). Advanced Functional Materials, 2021, 31, 2170289.	7.8	6
28	Stretchable Hybrid Electronics: All-in-One, Wireless, Stretchable Hybrid Electronics for Smart, Connected, and Ambulatory Physiological Monitoring (Adv. Sci. 17/2019). Advanced Science, 2019, 6, 1970104.	5.6	4
29	Radiotherapy-Compatible Robotic System for Multi-Landmark Positioning in Head and Neck Cancer Treatments. Scientific Reports, 2019, 9, 14358.	1.6	2
30	Wireless Soft Hybrid Electronics for Safe and Effective Cardiac Monitoring in Pediatric Care. , 2019, , .		1
31	Soft Wearable Patch for Continuous Cardiac Biometric Security. Engineering Proceedings, 2021, 10, .	0.4	1
32	Nanomanufacturing of Smart and Connected Bioelectronics Through Nanomaterial Printing, Hybrid Material Integration, and Soft Packaging. , 2021, , .		0