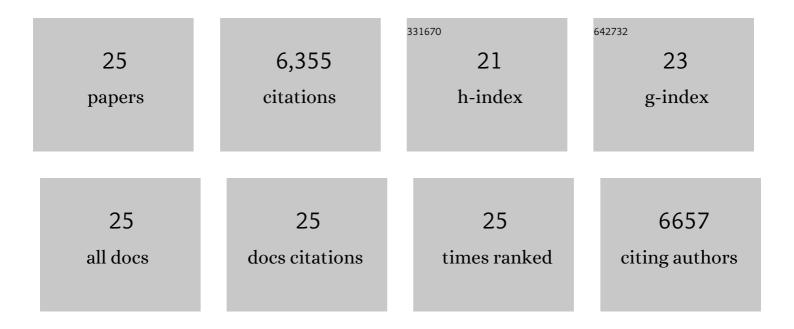
Jayoung Kim

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/11710254/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Wearable biosensors for healthcare monitoring. Nature Biotechnology, 2019, 37, 389-406.	17.5	1,895
2	Wearable salivary uric acid mouthguard biosensor with integrated wireless electronics. Biosensors and Bioelectronics, 2015, 74, 1061-1068.	10.1	471
3	Noninvasive Alcohol Monitoring Using a Wearable Tattoo-Based Iontophoretic-Biosensing System. ACS Sensors, 2016, 1, 1011-1019.	7.8	460
4	Wearable non-invasive epidermal glucose sensors: A review. Talanta, 2018, 177, 163-170.	5.5	432
5	Simultaneous Monitoring of Sweat and Interstitial Fluid Using a Single Wearable Biosensor Platform. Advanced Science, 2018, 5, 1800880.	11.2	371
6	Advanced Materials for Printed Wearable Electrochemical Devices: A Review. Advanced Electronic Materials, 2017, 3, 1600260.	5.1	358
7	Epidermal Microfluidic Electrochemical Detection System: Enhanced Sweat Sampling and Metabolite Detection. ACS Sensors, 2017, 2, 1860-1868.	7.8	325
8	Non-invasive mouthguard biosensor for continuous salivary monitoring of metabolites. Analyst, The, 2014, 139, 1632-1636.	3.5	292
9	Wearable Flexible and Stretchable Glove Biosensor for On-Site Detection of Organophosphorus Chemical Threats. ACS Sensors, 2017, 2, 553-561.	7.8	260
10	Smart bandage with wireless connectivity for uric acid biosensing as an indicator of wound status. Electrochemistry Communications, 2015, 56, 6-10.	4.7	244
11	Wearable Bioelectronics: Enzyme-Based Body-Worn Electronic Devices. Accounts of Chemical Research, 2018, 51, 2820-2828.	15.6	214
12	Wearable temporary tattoo sensor for real-time trace metal monitoring in human sweat. Electrochemistry Communications, 2015, 51, 41-45.	4.7	193
13	Eyeglasses-based tear biosensing system: Non-invasive detection of alcohol, vitamins and glucose. Biosensors and Bioelectronics, 2019, 137, 161-170.	10.1	180
14	Microneedle-based self-powered glucose sensor. Electrochemistry Communications, 2014, 47, 58-62.	4.7	150
15	Electrochemical fingerprint of street samples for fast on-site screening of cocaine in seized drug powders. Chemical Science, 2016, 7, 2364-2370.	7.4	102
16	Wearable electrochemical alcohol biosensors. Current Opinion in Electrochemistry, 2018, 10, 126-135.	4.8	101
17	Laserâ€Induced Graphene Composites for Printed, Stretchable, and Wearable Electronics. Advanced Materials Technologies, 2019, 4, 1900162.	5.8	55
18	Review—Lab-in-a-Mouth and Advanced Point-of-Care Sensing Systems: Detecting Bioinformation from the Oral Cavity and Saliva. , 2022, 1, 021603.		50

JAYOUNG KIM

#	Article	IF	CITATIONS
19	A wearable fingernail chemical sensing platform: pH sensing at your fingertips. Talanta, 2016, 150, 622-628.	5.5	46
20	Edible Electrochemistry: Food Materials Based Electrochemical Sensors. Advanced Healthcare Materials, 2017, 6, 1700770.	7.6	40
21	Wearable soft electrochemical microfluidic device integrated with iontophoresis for sweat biosensing. Analytical and Bioanalytical Chemistry, 2022, 414, 5411-5421.	3.7	39
22	Microscale Biosensor Array Based on Flexible Polymeric Platform toward Lab-on-a-Needle: Real-Time Multiparameter Biomedical Assays on Curved Needle Surfaces. ACS Sensors, 2020, 5, 1363-1373.	7.8	37
23	Resettable sweat-powered wearable electrochromic biosensor. Biosensors and Bioelectronics, 2022, 215, 114565.	10.1	23
24	Wearable chemical sensors: Opportunities and challenges. , 2016, , .		15
25	Biomarker discovery and beyond for diagnosis of bladder diseases. Bladder, 2020, 7, 40.	0.2	2