

# Jayoung Kim

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

23  
papers

4,196  
citations

19  
h-index

25  
g-index

25  
ext. papers

5,192  
ext. citations

9.9  
avg, IF

6.15  
L-index

#	Paper	IF	Citations
23	Wearable biosensors for healthcare monitoring. <i>Nature Biotechnology</i> , <b>2019</b> , 37, 389-406	44.5	1043
22	Noninvasive Alcohol Monitoring Using a Wearable Tattoo-Based Iontophoretic-Biosensing System. <i>ACS Sensors</i> , <b>2016</b> , 1, 1011-1019	9.2	350
21	Wearable salivary uric acid mouthguard biosensor with integrated wireless electronics. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 74, 1061-8	11.8	339
20	Wearable non-invasive epidermal glucose sensors: A review. <i>Talanta</i> , <b>2018</b> , 177, 163-170	6.2	311
19	Advanced Materials for Printed Wearable Electrochemical Devices: A Review. <i>Advanced Electronic Materials</i> , <b>2017</b> , 3, 1600260	6.4	290
18	Non-invasive mouthguard biosensor for continuous salivary monitoring of metabolites. <i>Analyst, The</i> , <b>2014</b> , 139, 1632-6	5	236
17	Simultaneous Monitoring of Sweat and Interstitial Fluid Using a Single Wearable Biosensor Platform. <i>Advanced Science</i> , <b>2018</b> , 5, 1800880	13.6	230
16	Epidermal Microfluidic Electrochemical Detection System: Enhanced Sweat Sampling and Metabolite Detection. <i>ACS Sensors</i> , <b>2017</b> , 2, 1860-1868	9.2	223
15	Wearable Flexible and Stretchable Glove Biosensor for On-Site Detection of Organophosphorus Chemical Threats. <i>ACS Sensors</i> , <b>2017</b> , 2, 553-561	9.2	190
14	Smart bandage with wireless connectivity for uric acid biosensing as an indicator of wound status. <i>Electrochemistry Communications</i> , <b>2015</b> , 56, 6-10	5.1	180
13	Wearable temporary tattoo sensor for real-time trace metal monitoring in human sweat. <i>Electrochemistry Communications</i> , <b>2015</b> , 51, 41-45	5.1	156
12	Wearable Bioelectronics: Enzyme-Based Body-Worn Electronic Devices. <i>Accounts of Chemical Research</i> , <b>2018</b> , 51, 2820-2828	24.3	154
11	Microneedle-based self-powered glucose sensor. <i>Electrochemistry Communications</i> , <b>2014</b> , 47, 58-62	5.1	118
10	Eyeglasses-based tear biosensing system: Non-invasive detection of alcohol, vitamins and glucose. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 137, 161-170	11.8	102
9	Electrochemical fingerprint of street samples for fast on-site screening of cocaine in seized drug powders. <i>Chemical Science</i> , <b>2016</b> , 7, 2364-2370	9.4	78
8	Wearable Electrochemical Alcohol Biosensors. <i>Current Opinion in Electrochemistry</i> , <b>2018</b> , 10, 126-135	7.2	62
7	Laser-Induced Graphene Composites for Printed, Stretchable, and Wearable Electronics. <i>Advanced Materials Technologies</i> , <b>2019</b> , 4, 1900162	6.8	34

6	A wearable fingernail chemical sensing platform: pH sensing at your fingertips. <i>Talanta</i> , <b>2016</b> , 150, 622-86.2	30
5	Edible Electrochemistry: Food Materials Based Electrochemical Sensors. <i>Advanced Healthcare Materials</i> , <b>2017</b> , 6, 1700770	10.1 23
4	Microscale Biosensor Array Based on Flexible Polymeric Platform toward Lab-on-a-Needle: Real-Time Multiparameter Biomedical Assays on Curved Needle Surfaces. <i>ACS Sensors</i> , <b>2020</b> , 5, 1363-1373	9.2 19
3	Wearable chemical sensors: Opportunities and challenges <b>2016</b> ,	11
2	Wearable soft electrochemical microfluidic device integrated with iontophoresis for sweat biosensing.. <i>Analytical and Bioanalytical Chemistry</i> , <b>2022</b> , 1	4.4 8
1	Biomarker discovery and beyond for diagnosis of bladder diseases. <i>Bladder</i> , <b>2020</b> , 7, e40	2 2