

# Jayoung Kim

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/11710254/jayoung-kim-publications-by-year.pdf>

**Version:** 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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 soft electrochemical microfluidic device integrated with iontophoresis for sweat biosensing.. <i>Analytical and Bioanalytical Chemistry</i> , <b>2022</b> , 1	4.4	8
22	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
21	Biomarker discovery and beyond for diagnosis of bladder diseases. <i>Bladder</i> , <b>2020</b> , 7, e40	2	2
20	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
19	Laser-Induced Graphene Composites for Printed, Stretchable, and Wearable Electronics. <i>Advanced Materials Technologies</i> , <b>2019</b> , 4, 1900162	6.8	34
18	Wearable biosensors for healthcare monitoring. <i>Nature Biotechnology</i> , <b>2019</b> , 37, 389-406	44.5	1043
17	Wearable non-invasive epidermal glucose sensors: A review. <i>Talanta</i> , <b>2018</b> , 177, 163-170	6.2	311
16	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
15	Wearable Bioelectronics: Enzyme-Based Body-Worn Electronic Devices. <i>Accounts of Chemical Research</i> , <b>2018</b> , 51, 2820-2828	24.3	154
14	Wearable Electrochemical Alcohol Biosensors. <i>Current Opinion in Electrochemistry</i> , <b>2018</b> , 10, 126-135	7.2	62
13	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
12	Advanced Materials for Printed Wearable Electrochemical Devices: A Review. <i>Advanced Electronic Materials</i> , <b>2017</b> , 3, 1600260	6.4	290
11	Edible Electrochemistry: Food Materials Based Electrochemical Sensors. <i>Advanced Healthcare Materials</i> , <b>2017</b> , 6, 1700770	10.1	23
10	Epidermal Microfluidic Electrochemical Detection System: Enhanced Sweat Sampling and Metabolite Detection. <i>ACS Sensors</i> , <b>2017</b> , 2, 1860-1868	9.2	223
9	Noninvasive Alcohol Monitoring Using a Wearable Tattoo-Based Iontophoretic-Biosensing System. <i>ACS Sensors</i> , <b>2016</b> , 1, 1011-1019	9.2	350
8	Wearable chemical sensors: Opportunities and challenges <b>2016</b> ,		11
7	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

6	A wearable fingernail chemical sensing platform: pH sensing at your fingertips. <i>Talanta</i> , <b>2016</b> , 150, 622-86.2	30
5	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
4	Wearable salivary uric acid mouthguard biosensor with integrated wireless electronics. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 74, 1061-8	11.8 339
3	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
2	Microneedle-based self-powered glucose sensor. <i>Electrochemistry Communications</i> , <b>2014</b> , 47, 58-62	5.1 118
1	Non-invasive mouthguard biosensor for continuous salivary monitoring of metabolites. <i>Analyst, The</i> , <b>2014</b> , 139, 1632-6	5 236