

Jayoung Kim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11710254/publications.pdf>

Version: 2024-02-01

25
papers

6,355
citations

331259

21
h-index

642321

23
g-index

25
all docs

25
docs citations

25
times ranked

6657
citing authors

#	ARTICLE	IF	CITATIONS
1	Wearable biosensors for healthcare monitoring. <i>Nature Biotechnology</i> , 2019, 37, 389-406.	9.4	1,895
2	Wearable salivary uric acid mouthguard biosensor with integrated wireless electronics. <i>Biosensors and Bioelectronics</i> , 2015, 74, 1061-1068.	5.3	471
3	Noninvasive Alcohol Monitoring Using a Wearable Tattoo-Based Iontophoretic-Biosensing System. <i>ACS Sensors</i> , 2016, 1, 1011-1019.	4.0	460
4	Wearable non-invasive epidermal glucose sensors: A review. <i>Talanta</i> , 2018, 177, 163-170.	2.9	432
5	Simultaneous Monitoring of Sweat and Interstitial Fluid Using a Single Wearable Biosensor Platform. <i>Advanced Science</i> , 2018, 5, 1800880.	5.6	371
6	Advanced Materials for Printed Wearable Electrochemical Devices: A Review. <i>Advanced Electronic Materials</i> , 2017, 3, 1600260.	2.6	358
7	Epidermal Microfluidic Electrochemical Detection System: Enhanced Sweat Sampling and Metabolite Detection. <i>ACS Sensors</i> , 2017, 2, 1860-1868.	4.0	325
8	Non-invasive mouthguard biosensor for continuous salivary monitoring of metabolites. <i>Analyst</i> , The, 2014, 139, 1632-1636.	1.7	292
9	Wearable Flexible and Stretchable Glove Biosensor for On-Site Detection of Organophosphorus Chemical Threats. <i>ACS Sensors</i> , 2017, 2, 553-561.	4.0	260
10	Smart bandage with wireless connectivity for uric acid biosensing as an indicator of wound status. <i>Electrochemistry Communications</i> , 2015, 56, 6-10.	2.3	244
11	Wearable Bioelectronics: Enzyme-Based Body-Worn Electronic Devices. <i>Accounts of Chemical Research</i> , 2018, 51, 2820-2828.	7.6	214
12	Wearable temporary tattoo sensor for real-time trace metal monitoring in human sweat. <i>Electrochemistry Communications</i> , 2015, 51, 41-45.	2.3	193
13	Eyeglasses-based tear biosensing system: Non-invasive detection of alcohol, vitamins and glucose. <i>Biosensors and Bioelectronics</i> , 2019, 137, 161-170.	5.3	180
14	Microneedle-based self-powered glucose sensor. <i>Electrochemistry Communications</i> , 2014, 47, 58-62.	2.3	150
15	Electrochemical fingerprint of street samples for fast on-site screening of cocaine in seized drug powders. <i>Chemical Science</i> , 2016, 7, 2364-2370.	3.7	102
16	Wearable electrochemical alcohol biosensors. <i>Current Opinion in Electrochemistry</i> , 2018, 10, 126-135.	2.5	101
17	Laser-Induced Graphene Composites for Printed, Stretchable, and Wearable Electronics. <i>Advanced Materials Technologies</i> , 2019, 4, 1900162.	3.0	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

#	ARTICLE	IF	CITATIONS
19	A wearable fingernail chemical sensing platform: pH sensing at your fingertips. <i>Talanta</i> , 2016, 150, 622-628.	2.9	46
20	Edible Electrochemistry: Food Materials Based Electrochemical Sensors. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700770.	3.9	40
21	Wearable soft electrochemical microfluidic device integrated with iontophoresis for sweat biosensing. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 5411-5421.	1.9	39
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> , 2020, 5, 1363-1373.	4.0	37
23	Resettable sweat-powered wearable electrochromic biosensor. <i>Biosensors and Bioelectronics</i> , 2022, 215, 114565.	5.3	23
24	Wearable chemical sensors: Opportunities and challenges. , 2016, , .		15
25	Biomarker discovery and beyond for diagnosis of bladder diseases. <i>Bladder</i> , 2020, 7, 40.	0.6	2