

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

331670

21
h-index

642732

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. | 17.5 | 1,895 |
| 2 | Wearable salivary uric acid mouthguard biosensor with integrated wireless electronics. <i>Biosensors and Bioelectronics</i> , 2015, 74, 1061-1068. | 10.1 | 471 |
| 3 | Noninvasive Alcohol Monitoring Using a Wearable Tattoo-Based Iontophoretic-Biosensing System. <i>ACS Sensors</i> , 2016, 1, 1011-1019. | 7.8 | 460 |
| 4 | Wearable non-invasive epidermal glucose sensors: A review. <i>Talanta</i> , 2018, 177, 163-170. | 5.5 | 432 |
| 5 | Simultaneous Monitoring of Sweat and Interstitial Fluid Using a Single Wearable Biosensor Platform. <i>Advanced Science</i> , 2018, 5, 1800880. | 11.2 | 371 |
| 6 | Advanced Materials for Printed Wearable Electrochemical Devices: A Review. <i>Advanced Electronic Materials</i> , 2017, 3, 1600260. | 5.1 | 358 |
| 7 | Epidermal Microfluidic Electrochemical Detection System: Enhanced Sweat Sampling and Metabolite Detection. <i>ACS Sensors</i> , 2017, 2, 1860-1868. | 7.8 | 325 |
| 8 | Non-invasive mouthguard biosensor for continuous salivary monitoring of metabolites. <i>Analyst</i> , The, 2014, 139, 1632-1636. | 3.5 | 292 |
| 9 | Wearable Flexible and Stretchable Glove Biosensor for On-Site Detection of Organophosphorus Chemical Threats. <i>ACS Sensors</i> , 2017, 2, 553-561. | 7.8 | 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. | 4.7 | 244 |
| 11 | Wearable Bioelectronics: Enzyme-Based Body-Worn Electronic Devices. <i>Accounts of Chemical Research</i> , 2018, 51, 2820-2828. | 15.6 | 214 |
| 12 | Wearable temporary tattoo sensor for real-time trace metal monitoring in human sweat. <i>Electrochemistry Communications</i> , 2015, 51, 41-45. | 4.7 | 193 |
| 13 | Eyeglasses-based tear biosensing system: Non-invasive detection of alcohol, vitamins and glucose. <i>Biosensors and Bioelectronics</i> , 2019, 137, 161-170. | 10.1 | 180 |
| 14 | Microneedle-based self-powered glucose sensor. <i>Electrochemistry Communications</i> , 2014, 47, 58-62. | 4.7 | 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. | 7.4 | 102 |
| 16 | Wearable electrochemical alcohol biosensors. <i>Current Opinion in Electrochemistry</i> , 2018, 10, 126-135. | 4.8 | 101 |
| 17 | Laser-Induced Graphene Composites for Printed, Stretchable, and Wearable Electronics. <i>Advanced Materials Technologies</i> , 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | A wearable fingernail chemical sensing platform: pH sensing at your fingertips. <i>Talanta</i> , 2016, 150, 622-628. | 5.5 | 46 |
| 20 | Edible Electrochemistry: Food Materials Based Electrochemical Sensors. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700770. | 7.6 | 40 |
| 21 | Wearable soft electrochemical microfluidic device integrated with iontophoresis for sweat biosensing. <i>Analytical and Bioanalytical Chemistry</i> , 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. <i>ACS Sensors</i> , 2020, 5, 1363-1373. | 7.8 | 37 |
| 23 | Resettable sweat-powered wearable electrochromic biosensor. <i>Biosensors and Bioelectronics</i> , 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. <i>Bladder</i> , 2020, 7, 40. | 0.2 | 2 |