Abbas Barfidokht

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8288862/publications.pdf

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20 papers	2,716 citations	516710 16 h-index	752698 20 g-index
20 all docs	20 docs citations	20 times ranked	2751 citing authors

#	Article	IF	Citations
1	Electrochemical glucose sensors in diabetes management: an updated review (2010â€“2020). Chemical Society Reviews, 2020, 49, 7671-7709.	38.1	460
2	Simultaneous Monitoring of Sweat and Interstitial Fluid Using a Single Wearable Biosensor Platform. Advanced Science, 2018, 5, 1800880.	11.2	371
3	Wearable Flexible and Stretchable Glove Biosensor for On-Site Detection of Organophosphorus Chemical Threats. ACS Sensors, 2017, 2, 553-561.	7.8	260
4	Wearable Electrochemical Sensors for the Monitoring and Screening of Drugs. ACS Sensors, 2020, 5, 2679-2700.	7.8	227
5	Wearable Bioelectronics: Enzyme-Based Body-Worn Electronic Devices. Accounts of Chemical Research, 2018, 51, 2820-2828.	15.6	214
6	An integrated wearable microneedle array for the continuous monitoring of multiple biomarkers in interstitial fluid. Nature Biomedical Engineering, 2022, 6, 1214-1224.	22.5	186
7	Epidermal Enzymatic Biosensors for Sweat Vitamin C: Toward Personalized Nutrition. ACS Sensors, 2020, 5, 1804-1813.	7.8	163
8	Microneedle-Based Detection of Ketone Bodies along with Glucose and Lactate: Toward Real-Time Continuous Interstitial Fluid Monitoring of Diabetic Ketosis and Ketoacidosis. Analytical Chemistry, 2020, 92, 2291-2300.	6.5	154
9	Wearable electrochemical glove-based sensor for rapid and on-site detection of fentanyl. Sensors and Actuators B: Chemical, 2019, 296, 126422.	7.8	134
10	Approaches Toward Allowing Electroanalytical Devices to be Used in Biological Fluids. Electroanalysis, 2014, 26, 1182-1196.	2.9	100
11	Wearable potentiometric tattoo biosensor for on-body detection of G-type nerve agents simulants. Sensors and Actuators B: Chemical, 2018, 273, 966-972.	7.8	92
12	Distance-Dependent Electron Transfer at Passivated Electrodes Decorated by Gold Nanoparticles. Analytical Chemistry, 2013, 85, 1073-1080.	6.5	91
13	Detection of vapor-phase organophosphate threats using wearable conformable integrated epidermal and textile wireless biosensor systems. Biosensors and Bioelectronics, 2018, 101, 227-234.	10.1	79
14	Ionic Liquid-Modified Disposable Electrochemical Sensor Strip for Analysis of Fentanyl. Analytical Chemistry, 2019, 91, 3747-3753.	6.5	70
15	Extended Noninvasive Glucose Monitoring in the Interstitial Fluid Using an Epidermal Biosensing Patch. Analytical Chemistry, 2021, 93, 12767-12775.	6.5	54
16	A Battery-Powered Wireless Ion Sensing System Consuming 5.5 nW of Average Power. IEEE Journal of Solid-State Circuits, 2018, 53, 2043-2053.	5.4	22
17	The Influence of Organicâ€Film Morphology on the Efficient Electron Transfer at Passivated Polymerâ€Modified Electrodes to which Nanoparticles are Attached. ChemPhysChem, 2013, 14, 2190-2197.	2.1	14
18	Light-activated electrochemistry without surface-bound redox species. Electrochimica Acta, 2017, 251, 250-255.	5.2	13

#	Article	IF	Citations
19	A Ruthenium Based Organometallic Complex for Biosensing that is both a Stable Redox Label and a Homobifunctional Linker. Electroanalysis, 2015, 27, 1078-1085.	2.9	7
20	Switching â€œon and offâ€•faradaic electrochemistry at an otherwise passivated electrode using gold-coated magnetic nanoparticles. Electrochemistry Communications, 2015, 61, 93-96.	4.7	5