

# Abbas Barfidokht

## List of Publications by Year in descending order

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

Version: 2024-02-01

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	An integrated wearable microneedle array for the continuous monitoring of multiple biomarkers in interstitial fluid. <i>Nature Biomedical Engineering</i> , 2022, 6, 1214-1224.	22.5	186
2	Extended Noninvasive Glucose Monitoring in the Interstitial Fluid Using an Epidermal Biosensing Patch. <i>Analytical Chemistry</i> , 2021, 93, 12767-12775.	6.5	54
3	Microneedle-Based Detection of Ketone Bodies along with Glucose and Lactate: Toward Real-Time Continuous Interstitial Fluid Monitoring of Diabetic Ketosis and Ketoacidosis. <i>Analytical Chemistry</i> , 2020, 92, 2291-2300.	6.5	154
4	Electrochemical glucose sensors in diabetes management: an updated review (2010–2020). <i>Chemical Society Reviews</i> , 2020, 49, 7671-7709.	38.1	460
5	Wearable Electrochemical Sensors for the Monitoring and Screening of Drugs. <i>ACS Sensors</i> , 2020, 5, 2679-2700.	7.8	227
6	Epidermal Enzymatic Biosensors for Sweat Vitamin C: Toward Personalized Nutrition. <i>ACS Sensors</i> , 2020, 5, 1804-1813.	7.8	163
7	Wearable electrochemical glove-based sensor for rapid and on-site detection of fentanyl. <i>Sensors and Actuators B: Chemical</i> , 2019, 296, 126422.	7.8	134
8	Ionic Liquid-Modified Disposable Electrochemical Sensor Strip for Analysis of Fentanyl. <i>Analytical Chemistry</i> , 2019, 91, 3747-3753.	6.5	70
9	A Battery-Powered Wireless Ion Sensing System Consuming 5.5 nW of Average Power. <i>IEEE Journal of Solid-State Circuits</i> , 2018, 53, 2043-2053.	5.4	22
10	Detection of vapor-phase organophosphate threats using wearable conformable integrated epidermal and textile wireless biosensor systems. <i>Biosensors and Bioelectronics</i> , 2018, 101, 227-234.	10.1	79
11	Wearable Bioelectronics: Enzyme-Based Body-Worn Electronic Devices. <i>Accounts of Chemical Research</i> , 2018, 51, 2820-2828.	15.6	214
12	Wearable potentiometric tattoo biosensor for on-body detection of G-type nerve agents simulants. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 966-972.	7.8	92
13	Simultaneous Monitoring of Sweat and Interstitial Fluid Using a Single Wearable Biosensor Platform. <i>Advanced Science</i> , 2018, 5, 1800880.	11.2	371
14	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
15	Light-activated electrochemistry without surface-bound redox species. <i>Electrochimica Acta</i> , 2017, 251, 250-255.	5.2	13
16	A Ruthenium Based Organometallic Complex for Biosensing that is both a Stable Redox Label and a Homobifunctional Linker. <i>Electroanalysis</i> , 2015, 27, 1078-1085.	2.9	7
17	Switching on and off faradaic electrochemistry at an otherwise passivated electrode using gold-coated magnetic nanoparticles. <i>Electrochemistry Communications</i> , 2015, 61, 93-96.	4.7	5
18	Approaches Toward Allowing Electroanalytical Devices to be Used in Biological Fluids. <i>Electroanalysis</i> , 2014, 26, 1182-1196.	2.9	100

#	ARTICLE	IF	CITATIONS
19	Distance-Dependent Electron Transfer at Passivated Electrodes Decorated by Gold Nanoparticles. <i>Analytical Chemistry</i> , 2013, 85, 1073-1080.	6.5	91
20	The Influence of Organicâ€Film Morphology on the Efficient Electron Transfer at Passivated Polymerâ€Modified Electrodes to which Nanoparticles are Attached. <i>ChemPhysChem</i> , 2013, 14, 2190-2197.	2.1	14