Hazhir Teymourian

List of Publications by Year in descending order

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Version: 2024-02-01

39 papers	3,511 citations	186265 28 h-index	315739 38 g-index
39 all docs	39 docs citations	39 times ranked	3629 citing authors

#	Article	IF	Citations
1	Wearable electrochemical microneedle sensing platform for real-time continuous interstitial fluid monitoring of apomorphine: Toward Parkinson management. Sensors and Actuators B: Chemical, 2022, 354, 131234.	7.8	32
2	Development of a Novel Insulin Sensor for Clinical Decision-Making. Journal of Diabetes Science and Technology, 2022, , 193229682110711.	2.2	3
3	Clinical Evaluation of a Novel Insulin Immunosensor. Journal of Diabetes Science and Technology, 2022, , 193229682210744.	2.2	3
4	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
5	Diabetes Technology Meeting 2021. Journal of Diabetes Science and Technology, 2022, , 193229682210902.	2.2	2
6	Microneedle Aptamer-Based Sensors for Continuous, Real-Time Therapeutic Drug Monitoring. Analytical Chemistry, 2022, 94, 8335-8345.	6.5	68
7	Closing the loop for patients with Parkinson disease: where are we?. Nature Reviews Neurology, 2022, 18, 497-507.	10.1	19
8	A review of biomarkers in the context of type 1 diabetes: Biological sensing for enhanced glucose control. Bioengineering and Translational Medicine, 2021, 6, e10201.	7.1	33
9	Wearable electrochemical biosensors in North America. Biosensors and Bioelectronics, 2021, 172, 112750.	10.1	167
10	Lab under the Skin: Microneedle Based Wearable Devices. Advanced Healthcare Materials, 2021, 10, e2002255.	7.6	141
11	Touchâ€Based Stressless Cortisol Sensing. Advanced Materials, 2021, 33, e2008465.	21.0	127
12	Wearable and Mobile Sensors for Personalized Nutrition. ACS Sensors, 2021, 6, 1745-1760.	7.8	106
13	Textile-based wearable solid-contact flexible fluoride sensor: Toward biodetection of G-type nerve agents. Biosensors and Bioelectronics, 2021, 182, 113172.	10.1	29
14	Nonâ€Invasive Sweatâ€Based Tracking of Lâ€Dopa Pharmacokinetic Profiles Following an Oral Tablet Administration. Angewandte Chemie - International Edition, 2021, 60, 19074-19078.	13.8	36
15	Nonâ€Invasive Sweatâ€Based Tracking of Lâ€Dopa Pharmacokinetic Profiles Following an Oral Tablet Administration. Angewandte Chemie, 2021, 133, 19222-19226.	2.0	10
16	Green MIP-202(Zr) Catalyst: Degradation and Thermally Robust Biomimetic Sensing of Nerve Agents. Journal of the American Chemical Society, 2021, 143, 18261-18271.	13.7	33
17	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
18	Electrochemical glucose sensors in diabetes management: an updated review (2010â€“2020). Chemical Society Reviews, 2020, 49, 7671-7709.	38.1	460

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19	Simultaneous cortisol/insulin microchip detection using dual enzyme tagging. Biosensors and Bioelectronics, 2020, 167, 112512.	10.1	40
20	Wearable Electrochemical Sensors for the Monitoring and Screening of Drugs. ACS Sensors, 2020, 5, 2679-2700.	7.8	227
21	An integrated microcatheter-based dual-analyte sensor system for simultaneous, real-time measurement of propofol and fentanyl. Talanta, 2020, 218, 121205.	5.5	23
22	Continuous Opioid Monitoring along with Nerve Agents on a Wearable Microneedle Sensor Array. Journal of the American Chemical Society, 2020, 142, 5991-5995.	13.7	130
23	OPAA/fluoride biosensor chip towards field detection of G-type nerve agents. Sensors and Actuators B: Chemical, 2020, 320, 128344.	7.8	18
24	63-OR: Towards Point-of-Care Devices: First Evaluation of an Insulin Immunosensor for Type 1 Diabetes. Diabetes, 2020, 69, .	0.6	1
25	Enzymatic/Immunoassay Dualâ€Biomarker Sensing Chip: Towards Decentralized Insulin/Glucose Detection. Angewandte Chemie - International Edition, 2019, 58, 6376-6379.	13.8	106
26	Bioinspired Chemical Communication between Synthetic Nanomotors. Angewandte Chemie - International Edition, 2018, 57, 241-245.	13.8	54
27	Development of a New Labelâ€free, Indicatorâ€free Strategy toward Ultrasensitive Electrochemical DNA Biosensing Based on Fe₃O₄ Nanoparticles/Reduced Graphene Oxide Composite. Electroanalysis, 2017, 29, 409-414.	2.9	32
28	A High Performance Electrochemical Biosensing Platform for Glucose Detection and IgE Aptasensing Based on Fe₃O₄/Reduced Graphene Oxide Nanocomposite. Electroanalysis, 2014, 26, 129-138.	2.9	17
29	Au nanoparticles/PAMAM dendrimer functionalized wired ethyleneamineâ€“viologen as highly efficient interface for ultra-sensitive Î±-fetoprotein electrochemical immunosensor. Biosensors and Bioelectronics, 2014, 59, 389-396.	10.1	108
30	One-pot hydrothermal synthesis of zirconium dioxide nanoparticles decorated reduced graphene oxide composite as high performance electrochemical sensing and biosensing platform. Electrochimica Acta, 2014, 143, 196-206.	5.2	72
31	Highly sensitive electrocatalytic detection of nitrite based on SiC nanoparticles/amine terminated ionic liquid modified glassy carbon electrode integrated with flow injection analysis. Sensors and Actuators B: Chemical, 2014, 205, 136-142.	7.8	44
32	Fabrication of electrochemical theophylline sensor based on manganese oxide nanoparticles/ionic liquid/chitosan nanocomposite modified glassy carbon electrode. Electrochimica Acta, 2013, 108, 707-716.	5.2	77
33	Fabrication of an Electrochemical <scp>L</scp>â€Cysteine Sensor Based on Graphene Nanosheets Decorated Manganese Oxide Nanocomposite Modified Glassy Carbon Electrode. Electroanalysis, 2013, 25, 2201-2210.	2.9	39
34	Fe3O4 magnetic nanoparticles/reduced graphene oxide nanosheets as a novel electrochemical and bioeletrochemical sensing platform. Biosensors and Bioelectronics, 2013, 49, 1-8.	10.1	479
35	Label-free electrochemical IgE aptasensor based on covalent attachment of aptamer onto multiwalled carbon nanotubes/ionic liquid/chitosan nanocomposite modified electrode. Biosensors and Bioelectronics, 2013, 43, 218-225.	10.1	123
36	Electrocatalytic oxidation of NADH at electrogenerated NAD+ oxidation product immobilized onto multiwalled carbon nanotubes/ionic liquid nanocomposite: Application to ethanol biosensing. Talanta, 2012, 90, 91-98.	5.5	59

#	Article	IF	Citations
37	Graphene nanosheets modified glassy carbon electrode for simultaneous detection of heroine, morphine and noscapine. Biosensors and Bioelectronics, 2012, 31, 205-211.	10.1	116
38	Low potential detection of NADH based on Fe3O4 nanoparticles/multiwalled carbon nanotubes composite: Fabrication of integrated dehydrogenase-based lactate biosensor. Biosensors and Bioelectronics, 2012, 33, 60-68.	10.1	133
39	Highly Selective Cyanide Coated-Wire Electrode Based on a Recently Synthesized Co(II) Complex With the <formula formulatype="inline"> <tex>N,N^{prime}</tex> </formula>-Bis(2-Quinolinecarboxamido)- 1,2-Benzene Applying Batch and Flow Injection Analysis Techniques. IEEE Sensors Journal, 2007, 7, 1727-1734.	4.7	4