Muamer Dervisevic

List of Publications by Year
in descending order

32	1,264	304368	414034
papers	citations	22 h-index	32 g-index

32	32	32	1493
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Transdermal Electrochemical Monitoring of Glucose via Highâ€Density Silicon Microneedle Array Patch. Advanced Functional Materials, 2022, 32, 2009850.	7.8	66
2	Transdermal Electrochemical Monitoring of Glucose via Highâ€Density Silicon Microneedle Array Patch (Adv. Funct. Mater. 3/2022). Advanced Functional Materials, 2022, 32, .	7.8	2
3	Integrated microfluidic device to monitor unseen Escherichia coli contamination in mammalian cell culture. Sensors and Actuators B: Chemical, 2022, 359, 131522.	4.0	3
4	Silicon Micropillar Array-Based Wearable Sweat Glucose Sensor. ACS Applied Materials & Interfaces, 2022, 14, 2401-2410.	4.0	26
5	Electrochemical immunosensor for breast cancer biomarker detection using high-density silicon microneedle array. Biosensors and Bioelectronics, 2021, 192, 113496.	5.3	53
6	Skin in the diagnostics game: Wearable biosensor nano- and microsystems for medical diagnostics. Nano Today, 2020, 30, 100828.	6.2	106
7	Enhanced electrochemical sensing performance by in situ electrocopolymerization of pyrrole and thiophene-grafted chitosan. International Journal of Biological Macromolecules, 2020, 143, 582-593.	3.6	19
8	Microfluidic Electrochemical Sensor for Cerebrospinal Fluid and Blood Dopamine Detection in a Mouse Model of Parkinsonâ€™s Disease. Analytical Chemistry, 2020, 92, 12347-12355.	3.2	68
9	Highly Selective Nanostructured Electrochemical Sensor Utilizing Densely Packed Ultrathin Gold Nanowires Film. Electroanalysis, 2020, 32, 1850-1858.	1.5	11
10	Electrochemical Micropyramid Array-Based Sensor for In Situ Monitoring of Dopamine Released from Neuroblastoma Cells. Analytical Chemistry, 2020, 92, 7746-7753.	3.2	49
11	Enzyme-like electrocatalysis from 2D gold nanograss-nanocube assemblies. Journal of Colloid and Interface Science, 2020, 575, 24-34.	5.0	6
12	Recent progress in nanomaterial-based electrochemical and optical sensors for hypoxanthine and xanthine. A review. Mikrochimica Acta, 2019, 186, 749.	2.5	49
13	Electrochemical DNA biosensors for label-free breast cancer gene marker detection. Analytical and Bioanalytical Chemistry, 2019, 411, 2925-2935.	1.9	49
14	Gold microneedles fabricated by casting of gold ink used for urea sensing. Materials Letters, 2019, 243, 50-53.	1.3	56
15	Design of amperometric urea biosensor based on self-assembled monolayer of cystamine/PAMAM-grafted MWCNT/Urease. Sensors and Actuators B: Chemical, 2018, 254, 93-101.	4.0	79
16	Boronic Acid vs. Folic Acid: A Comparison of the bio-recognition performances by Impedimetric Cytosensors based on Ferrocene cored dendrimer. Biosensors and Bioelectronics, 2017, 91, 680-686.	5.3	25
17	Development of novel amperometric urea biosensor based on Fc-PAMAM and MWCNT bio-nanocomposite film. Sensors and Actuators B: Chemical, 2017, 246, 920-926.	4.0	35
18	Novel electrochemical xanthine biosensor based on chitosanâ€“polypyrroleâ€“gold nanoparticles hybrid bio-nanocomposite platform. Journal of Food and Drug Analysis, 2017, 25, 510-519.	0.9	91

#	Article	IF	Citations
19	Novel impedimetric dopamine biosensor based on boronic acid functional polythiophene modified electrodes. Materials Science and Engineering C, 2017, 72, 641-649.	3.8	33
20	Construction of ferrocene modified conducting polymer based amperometric urea biosensor. Enzyme and Microbial Technology, 2017, 102, 53-59.	1.6	30
21	Novel Amperometric Xanthine Biosensors Based on REGO-NP (Pt, Pd, and Au) Bionanocomposite Film. Food Analytical Methods, 2017, 10, 1252-1263.	1.3	9
22	Highly sensitive detection of cancer cells with an electrochemical cytosensor based on boronic acid functional polythiophene. Biosensors and Bioelectronics, 2017, 90, 6-12.	5.3	56
23	Amperometric cholesterol biosensor based on reconstituted cholesterol oxidase on boronic acid functional conducting polymers. Journal of Electroanalytical Chemistry, 2016, 776, 18-24.	1.9	45
24	Novel amperometric xanthine biosensor based on xanthine oxidase immobilized on electrochemically polymerized 10-[4H-dithieno(3,2-b:2â€²,3â€²-d)pyrrole-4-yl]decane-1-amine film. Sensors and Actuators B: Chemical, 2016, 225, 181-187.	4.0	46
25	Electrochemical sensing platforms based on the different carbon derivative incorporated interface. Materials Science and Engineering C, 2016, 58, 790-798.	3.8	16
26	Amperometric Monooxygenase Biosensor for the Detection of Aromatic Hydrocarbons. Sensor Letters, 2016, 14, 234-240.	0.4	2
27	Electrochemical biosensor based on REGO/Fe3O4 bionanocomposite interface for xanthine detection in fish sample. Food Control, 2015, 57, 402-410.	2.8	60
28	Construction of novel xanthine biosensor by using polymeric mediator/MWCNT nanocomposite layer for fish freshness detection. Food Chemistry, 2015, 181, 277-283.	4.2	85
29	Development of glucose biosensor based on reconstitution of glucose oxidase onto polymeric redox mediator coated pencil graphite electrodes. Enzyme and Microbial Technology, 2015, 68, 69-76.	1.6	34
30	Poly(GMA-co-VFc)/Fe₃O₄/Cholesterol Oxidase Bionanocomposite Based Electrodes for Amperometric Cholesterol Biosensor. Sensor Letters, 2014, 12, 1507-1512.	0.4	7
31	A novel amperometric glucose biosensor based on reconstitution of glucose oxidase on thiophene-3-boronic acid polymer layer. Current Applied Physics, 2013, 13, 1199-1204.	1.1	22
32	Development of Amperometric Glucose Biosensor Based on Reconstitution of Glucose Oxidase on Polymeric 3â€Aminophenyl Boronic Acid Monolayer. Electroanalysis, 2013, 25, 1194-1200.	1.5	26