

# Muamer Dervisevic

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6653915/publications.pdf>

Version: 2024-02-01

32  
papers

1,264  
citations

304368

22  
h-index

414034

32  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1493  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Skin in the diagnostics game: Wearable biosensor nano- and microsystems for medical diagnostics. <i>Nano Today</i> , 2020, 30, 100828.  | 6.2 | 106       |
| 2  | Novel electrochemical xanthine biosensor based on chitosanâ€“polypyrroleâ€“gold nanoparticles hybrid bio-nanocomposite platform. <i>Journal of Food and Drug Analysis</i> , 2017, 25, 510-519.  | 0.9 | 91        |
| 3  | Construction of novel xanthine biosensor by using polymeric mediator/MWCNT nanocomposite layer for fish freshness detection. <i>Food Chemistry</i> , 2015, 181, 277-283.  | 4.2 | 85        |
| 4  | Design of amperometric urea biosensor based on self-assembled monolayer of cystamine/PAMAM-grafted MWCNT/Urease. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 93-101.  | 4.0 | 79        |
| 5  | Microfluidic Electrochemical Sensor for Cerebrospinal Fluid and Blood Dopamine Detection in a Mouse Model of Parkinsonâ€™s Disease. <i>Analytical Chemistry</i> , 2020, 92, 12347-12355.  | 3.2 | 68        |
| 6  | Transdermal Electrochemical Monitoring of Glucose via Highâ€“Density Silicon Microneedle Array Patch. <i>Advanced Functional Materials</i> , 2022, 32, 2009850.   | 7.8 | 66        |
| 7  | Electrochemical biosensor based on REGO/Fe <sub>3</sub> O <sub>4</sub> bionanocomposite interface for xanthine detection in fish sample. <i>Food Control</i> , 2015, 57, 402-410.   | 2.8 | 60        |
| 8  | Highly sensitive detection of cancer cells with an electrochemical cytosensor based on boronic acid functional polythiophene. <i>Biosensors and Bioelectronics</i> , 2017, 90, 6-12.  | 5.3 | 56        |
| 9  | Gold microneedles fabricated by casting of gold ink used for urea sensing. <i>Materials Letters</i> , 2019, 243, 50-53.   | 1.3 | 56        |
| 10 | Electrochemical immunosensor for breast cancer biomarker detection using high-density silicon microneedle array. <i>Biosensors and Bioelectronics</i> , 2021, 192, 113496.  | 5.3 | 53        |
| 11 | Recent progress in nanomaterial-based electrochemical and optical sensors for hypoxanthine and xanthine. A review. <i>Mikrochimica Acta</i> , 2019, 186, 749.   | 2.5 | 49        |
| 12 | Electrochemical DNA biosensors for label-free breast cancer gene marker detection. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 2925-2935.  | 1.9 | 49        |
| 13 | Electrochemical Micropyramid Array-Based Sensor for <i>In Situ</i> Monitoring of Dopamine Released from Neuroblastoma Cells. <i>Analytical Chemistry</i> , 2020, 92, 7746-7753.   | 3.2 | 49        |
| 14 | 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. <i>Sensors and Actuators B: Chemical</i> , 2016, 225, 181-187. | 4.0 | 46        |
| 15 | Amperometric cholesterol biosensor based on reconstituted cholesterol oxidase on boronic acid functional conducting polymers. <i>Journal of Electroanalytical Chemistry</i> , 2016, 776, 18-24.   | 1.9 | 45        |
| 16 | Development of novel amperometric urea biosensor based on Fc-PAMAM and MWCNT bio-nanocomposite film. <i>Sensors and Actuators B: Chemical</i> , 2017, 246, 920-926.   | 4.0 | 35        |
| 17 | Development of glucose biosensor based on reconstitution of glucose oxidase onto polymeric redox mediator coated pencil graphite electrodes. <i>Enzyme and Microbial Technology</i> , 2015, 68, 69-76.  | 1.6 | 34        |
| 18 | Novel impedimetric dopamine biosensor based on boronic acid functional polythiophene modified electrodes. <i>Materials Science and Engineering C</i> , 2017, 72, 641-649.   | 3.8 | 33        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Construction of ferrocene modified conducting polymer based amperometric urea biosensor. <i>Enzyme and Microbial Technology</i> , 2017, 102, 53-59.  | 1.6 | 30        |
| 20 | Development of Amperometric Glucose Biosensor Based on Reconstitution of Glucose Oxidase on Polymeric 3-aminophenyl Boronic Acid Monolayer. <i>Electroanalysis</i> , 2013, 25, 1194-1200.                  | 1.5 | 26        |
| 21 | Silicon Micropillar Array-Based Wearable Sweat Glucose Sensor. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 2401-2410.  | 4.0 | 26        |
| 22 | Boronic Acid vs. Folic Acid: A Comparison of the bio-recognition performances by Impedimetric Cytosensors based on Ferrocene cored dendrimer. <i>Biosensors and Bioelectronics</i> , 2017, 91, 680-686.    | 5.3 | 25        |
| 23 | A novel amperometric glucose biosensor based on reconstitution of glucose oxidase on thiophene-3-boronic acid polymer layer. <i>Current Applied Physics</i> , 2013, 13, 1199-1204.                         | 1.1 | 22        |
| 24 | Enhanced electrochemical sensing performance by in situ electrocopolymerization of pyrrole and thiophene-grafted chitosan. <i>International Journal of Biological Macromolecules</i> , 2020, 143, 582-593. | 3.6 | 19        |
| 25 | Electrochemical sensing platforms based on the different carbon derivative incorporated interface. <i>Materials Science and Engineering C</i> , 2016, 58, 790-798.   | 3.8 | 16        |
| 26 | Highly Selective Nanostructured Electrochemical Sensor Utilizing Densely Packed Ultrathin Gold Nanowires Film. <i>Electroanalysis</i> , 2020, 32, 1850-1858.   | 1.5 | 11        |
| 27 | Novel Amperometric Xanthine Biosensors Based on REGO-NP (Pt, Pd, and Au) Bionanocomposite Film. <i>Food Analytical Methods</i> , 2017, 10, 1252-1263.  | 1.3 | 9         |
| 28 | Poly(GMA-co-VFc)/Fe <sub>3</sub> O <sub>4</sub> /Cholesterol Oxidase Bionanocomposite Based Electrodes for Amperometric Cholesterol Biosensor. <i>Sensor Letters</i> , 2014, 12, 1507-1512.                | 0.4 | 7         |
| 29 | Enzyme-like electrocatalysis from 2D gold nanograin-nanocube assemblies. <i>Journal of Colloid and Interface Science</i> , 2020, 575, 24-34.   | 5.0 | 6         |
| 30 | Integrated microfluidic device to monitor unseen Escherichia coli contamination in mammalian cell culture. <i>Sensors and Actuators B: Chemical</i> , 2022, 359, 131522.                                   | 4.0 | 3         |
| 31 | Amperometric Monooxygenase Biosensor for the Detection of Aromatic Hydrocarbons. <i>Sensor Letters</i> , 2016, 14, 234-240.  | 0.4 | 2         |
| 32 | Transdermal Electrochemical Monitoring of Glucose via High-Density Silicon Microneedle Array Patch (Adv. Funct. Mater. 3/2022). <i>Advanced Functional Materials</i> , 2022, 32, .                         | 7.8 | 2         |