

# Fariba Mollarasouli

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

813  
citations

623734

14  
h-index

713466

21  
g-index

23  
all docs

23  
docs citations

23  
times ranked

838  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of Electrochemical Immunosensors in Clinical Analysis. <i>Biosensors</i> , 2019, 9, 86.	4.7	156
2	Non-enzymatic hydrogen peroxide sensor based on graphene quantum dots-chitosan/methylene blue hybrid nanostructures. <i>Electrochimica Acta</i> , 2017, 246, 303-314.	5.2	85
3	Role of quantum dots in pharmaceutical and biomedical analysis, and its application in drug delivery. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 131, 116013.	11.4	76
4	Novel electrochemical biosensor based on PVP capped CoFe <sub>2</sub> O <sub>4</sub> @CdSe core-shell nanoparticles modified electrode for ultra-trace level determination of rifampicin by square wave adsorptive stripping voltammetry. <i>Biosensors and Bioelectronics</i> , 2017, 92, 509-516.	10.1	70
5	Magnetic nanoparticles in developing electrochemical sensors for pharmaceutical and biomedical applications. <i>Talanta</i> , 2021, 226, 122108.	5.5	65
6	Ultrasensitive determination of receptor tyrosine kinase with a label-free electrochemical immunosensor using graphene quantum dots-modified screen-printed electrodes. <i>Analytica Chimica Acta</i> , 2018, 1011, 28-34.	5.4	61
7	Metal-organic and covalent organic frameworks for the remediation of aqueous dye solutions: Adsorptive, catalytic and extractive processes. <i>Coordination Chemistry Reviews</i> , 2022, 454, 214332.	18.8	48
8	Recent achievements and challenges on nanomaterial based electrochemical biosensors for the detection of colon and lung cancer biomarkers. <i>Sensors and Actuators B: Chemical</i> , 2022, 351, 130856.	7.8	44
9	Amperometric sensor based on carbon dots decorated self-assembled 3D flower-like Ni(OH) <sub>2</sub> nanosheet arrays for the determination of nitrite. <i>Electrochimica Acta</i> , 2018, 291, 132-141.	5.2	33
10	Preparation of porous Cu metal organic framework/ZnTe nanorods/Au nanoparticles hybrid platform for nonenzymatic determination of catechol. <i>Journal of Electroanalytical Chemistry</i> , 2020, 856, 113672.	3.8	32
11	A novel and facile synthesis of TGA-capped CdSe@Ag <sub>2</sub> Se core-shell quantum dots as a new substrate for high sensitive and selective methyl dopa sensor. <i>Sensors and Actuators B: Chemical</i> , 2016, 237, 387-399.	7.8	28
12	Non-enzymatic monitoring of hydrogen peroxide using novel nanosensor based on CoFe <sub>2</sub> O <sub>4</sub> @CdSeQD magnetic nanocomposite and rifampicin mediator. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 5053-5065.	3.7	23
13	A review on corona virus disease 2019 (COVID-19): current progress, clinical features and bioanalytical diagnostic methods. <i>Mikrochimica Acta</i> , 2022, 189, 103.	5.0	22
14	Enhanced activity for non-enzymatic glucose biosensor by facile electro-deposition of cauliflower-like NiWO <sub>4</sub> nanostructures. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 118, 301-308.	5.3	19
15	Electrochemical, spectroscopic, and molecular docking studies of the interaction between the anti-retroviral drug indinavir and dsDNA. <i>Journal of Pharmaceutical Analysis</i> , 2020, 10, 473-481.	5.3	14
16	Bismuth and Bismuth-Chitosan modified electrodes for determination of two synthetic food colorants by net analyte signal standard addition method. <i>Open Chemistry</i> , 2014, 12, 711-718.	1.9	13
17	Facile synthesis of ZnTe/Quinhydrone nanocomposite as a promising catalyst for electro-oxidation of ethanol in alkaline medium. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 22085-22097.	7.1	13
18	Carbon Dots in the Detection of Pathogenic Bacteria and Viruses. <i>Critical Reviews in Analytical Chemistry</i> , 2024, 54, 219-246.	3.5	4

#	ARTICLE	IF	CITATIONS
19	Advanced DNA nanomachines: Strategies and bioapplications. Journal of Drug Delivery Science and Technology, 2021, 61, 102290.	3.0	3
20	Preparation of A Magnetic Nanosensor Based on Cobalt Ferrite Nanoparticles for The Electrochemical Determination of Methyldopa in The Presence of Uric Acid. Combinatorial Chemistry and High Throughput Screening, 2020, 23, 1023-1031.	1.1	3
21	Recent Advances in Carbon Nanostructure-Based Electrochemical Biosensors for Environmental Monitoring. Critical Reviews in Analytical Chemistry, 2021, , 1-17.	3.5	1
22	Sensitive electroanalytical assay, evaluation of thermodynamic and mechanism parameters of leukotriene receptor antagonist Zafirlucast. Sensors and Actuators B: Chemical, 2020, 320, 128251.	7.8	0
23	Introduction to biomarkers. , 2022, , 1-22.		0