

Melinda David

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

333
citations

1040056

9
h-index

1058476

14
g-index

18
all docs

18
docs citations

18
times ranked

550
citing authors

#	ARTICLE	IF	CITATIONS
1	A new self-assembled layer-by-layer glucose biosensor based on chitosan biopolymer entrapped enzyme with nitrogen doped graphene. <i>Bioelectrochemistry</i> , 2014, 99, 46-52.	4.6	76
2	Improved glucose label-free biosensor with layer-by-layer architecture and conducting polymer poly(3,4-ethylenedioxythiophene). <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 3227-3234.	7.8	53
3	Tyrosinase-Based Biosensors for Selective Dopamine Detection. <i>Sensors</i> , 2017, 17, 1314.	3.8	49
4	Bioelectrochemical evaluation of plant extracts and gold nanozyme-based sensors for total antioxidant capacity determination. <i>Bioelectrochemistry</i> , 2019, 129, 124-134.	4.6	37
5	Electrochemical synthesis and characterization of poly(thionine)-deep eutectic solvent/carbon nanotube-modified electrodes and application to electrochemical sensing. <i>Mikrochimica Acta</i> , 2020, 187, 609.	5.0	22
6	Monitoring biomolecular interaction between folic acid and bovine serum albumin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 230, 118074.	3.9	20
7	Acidic and Basic Functionalized Carbon Nanomaterials as Electrical Bridges in Enzyme Loaded Chitosan/Poly(styrene sulfonate) Self-Assembled Layer-by-Layer Glucose Biosensors. <i>Electroanalysis</i> , 2015, 27, 2139-2149.	2.9	18
8	Evaluation of the interaction of levothyroxine with bovine serum albumin using spectroscopic and molecular docking studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 1139-1151.	3.5	17
9	Biosensors for Antioxidants Detection: Trends and Perspectives. <i>Biosensors</i> , 2020, 10, 112.	4.7	12
10	Electrochemical quantification of levothyroxine at disposable screen-printed electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2022, 911, 116240.	3.8	10
11	A Nanoparticle-Based Label-Free Sensor for Screening the Relative Antioxidant Capacity of Hydrosoluble Plant Extracts. <i>Sensors</i> , 2019, 19, 590.	3.8	7
12	Insight into dual fluorescence effects induced by molecular aggregation occurring in membrane model systems containing 1,3,4-thiadiazole derivatives. <i>European Biophysics Journal</i> , 2021, 50, 1083-1101.	2.2	7
13	Conformational Changes in the BSA-LT4 Complex Induced by the Presence of Vitamins: Spectroscopic Approach and Molecular Docking. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4215.	4.1	3
14	DEVELOPMENT AND EVALUATION OF SOL-GEL-BASED BIOSENSORS FOR CADMIUM IONS DETECTION. <i>Environmental Engineering and Management Journal</i> , 2018, 17, 317-326.	0.6	2
15	Label-free Evaluation of Carbon Nanoparticles in Layer-by-Layer Self-assembled Enzyme-based Biosensors. <i>Procedia Technology</i> , 2017, 27, 304-305.	1.1	0
16	Nanozyme Modified Electrochemical Biosensors as Rapid Screening Tools for Biomolecules. <i>Biophysical Journal</i> , 2019, 116, 148a.	0.5	0
17	An Impedimetric Sensor for Levothyroxine Detection towards Point of Care Applications. , 2021, , .		0