Monica Florescu

List of Publications by Year
in descending order

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Version: 2024-02-01

40	931	471371	454834
papers	citations	17 h-index	30 g-index

43	43	43	1339
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A strategy for enzyme immobilization on layer-by-layer dendrimerâ€“gold nanoparticle electrocatalytic membrane incorporating redox mediator. Electrochemistry Communications, 2006, 8, 1665-1670.	2.3	174
2	A new self-assembled layer-by-layer glucose biosensor based on chitosan biopolymer entrapped enzyme with nitrogen doped graphene. Bioelectrochemistry, 2014, 99, 46-52.	2.4	76
3	Development and evaluation of electrochemical glucose enzyme biosensors based on carbon film electrodes. Talanta, 2005, 65, 306-312.	2.9	63
4	Improved glucose label-free biosensor with layer-by-layer architecture and conducting polymer poly(3,4-ethylenedioxythiophene). Sensors and Actuators B: Chemical, 2018, 255, 3227-3234.	4.0	53
5	Characterization of cobalt- and copper hexacyanoferrate-modified carbon film electrodes for redox-mediated biosensors. Journal of Solid State Electrochemistry, 2005, 9, 354-362.	1.2	52
6	Development and characterization of a new conducting carbon composite electrode. Analytica Chimica Acta, 2009, 635, 71-78.	2.6	49
7	Tyrosinase-Based Biosensors for Selective Dopamine Detection. Sensors, 2017, 17, 1314.	2.1	49
8	Development and Characterization of Cobalt Hexacyanoferrate Modified Carbon Electrodes for Electrochemical Enzyme Biosensors. Analytical Letters, 2004, 37, 871-886.	1.0	43
9	Bioelectrochemical evaluation of plant extracts and gold nanozyme-based sensors for total antioxidant capacity determination. Bioelectrochemistry, 2019, 129, 124-134.	2.4	37
10	Carbon film electrodes for oxidase-based enzyme sensors in food analysis. Talanta, 2005, 68, 171-178.	2.9	35
11	Insight into the interaction of human serum albumin with folic acid: A biophysical study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 204, 648-656.	2.0	34
12	Synthesis of biomaterial thin films by pulsed laser technologies: Electrochemical evaluation of bioactive glass-based nanocomposite coatings for biomedical applications. Materials Science and Engineering C, 2012, 32, 1152-1157.	3.8	28
13	Double layered nanostructured composite coatings with bioactive silicate glass and polymethylmetacrylate for biomimetic implant applications. Journal of Electroanalytical Chemistry, 2010, 648, 111-118.	1.9	25
14	Development and Application of Oxysilane Solâ€“Gel Electrochemical Glucose Biosensors Based on Cobalt Hexacyanoferrate Modified Carbon Film Electrodes. Electroanalysis, 2007, 19, 220-226.	1.5	21
15	Characterization of Phenolics in Lavandula angustifolia. Analytical Letters, 2017, 50, 2839-2850.	1.0	21
16	Monitoring biomolecular interaction between folic acid and bovine serum albumin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 230, 118074.	2.0	20
17	Optimisation of a polymer membrane used in optical oxygen sensing. Sensors and Actuators B: Chemical, 2004, 97, 39-44.	4.0	19
18	Acidic and Basic Functionalized Carbon Nanomaterials as Electrical Bridges in Enzyme Loaded Chitosan/Poly(styrene sulfonate) Selfâ€Assembled Layerâ€byâ€Layer Glucose Biosensors. Electroanalysis, 2015, 27, 2139-2149.	1.5	18

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19	Evaluation of the interaction of levothyroxine with bovine serum albumin using spectroscopic and molecular docking studies. Journal of Biomolecular Structure and Dynamics, 2022, 40, 1139-1151.	2.0	17
20	Chemometric Assessment of Spectroscopic Techniques and Antioxidant Activity forHippophae rhamnoidesL. Extracts Obtained by Different Isolation Methods. Analytical Letters, 2019, 52, 2393-2415.	1.0	12
21	Biosensors for Antioxidants Detection: Trends and Perspectives. Biosensors, 2020, 10, 112.	2.3	12
22	Chemometricsâ€based vibrational spectroscopy for Juglandis semen extracts investigation. Journal of Chemometrics, 2020, 34, e3234.	0.7	12
23	Molecular insights into binding mechanism of rutin to bovine serum albumin â€“ Levothyroxine complex: Spectroscopic and molecular docking approaches. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 264, 120261.	2.0	10
24	Electrochemical quantification of levothyroxine at disposable screen-printed electrodes. Journal of Electroanalytical Chemistry, 2022, 911, 116240.	1.9	10
25	Non-Debye dielectric behavior and near-field interactions in biological tissues: When structure meets function. Journal of Non-Crystalline Solids, 2010, 356, 772-776.	1.5	7
26	A Nanoparticle-Based Label-Free Sensor for Screening the Relative Antioxidant Capacity of Hydrosoluble Plant Extracts. Sensors, 2019, 19, 590.	2.1	7
27	Insight into dual fluorescence effects induced by molecular aggregation occurring in membrane model systems containing 1,3,4-thiadiazole derivatives. European Biophysics Journal, 2021, 50, 1083-1101.	1.2	7
28	Evaluation of Heat-Treated AISI 316 Stainless Steel in Solar Furnaces to Be Used as Possible Implant Material. Materials, 2020, 13, 581.	1.3	6
29	â€œClickâ€•access to multilayer functionalized Au surface: A terpyridine patterning example. Materials Science and Engineering C, 2017, 75, 1343-1350.	3.8	5
30	Tiâ€“Zrâ€“Siâ€“Nb Nanocrystalline Alloys and Metallic Glasses: Assessment on the Structure, Thermal Stability, Corrosion and Mechanical Properties. Materials, 2019, 12, 1551.	1.3	4
31	Conformational Changes in the BSA-LT4 Complex Induced by the Presence of Vitamins: Spectroscopic Approach and Molecular Docking. International Journal of Molecular Sciences, 2022, 23, 4215.	1.8	3
32	DEVELOPMENT AND EVALUATION OF SOL-GEL-BASED BIOSENSORS FOR CADMIUM IONS DETECTION. Environmental Engineering and Management Journal, 2018, 17, 317-326.	0.2	2
33	Third International Conference: Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences (IC-ANMBES 2014) June 13â€“15, 2014, Brasov, Romania. Analytical Letters, 2016, 49, 331-334.	1.0	0
34	Label-free Evaluation of Carbon Nanoparticles in Layer-by-Layer Self-assembled Enzyme-based Biosensors. Procedia Technology, 2017, 27, 304-305.	1.1	0
35	4th International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, IC-ANMBES 2016. Analytical Letters, 2017, 50, 2661-2664.	1.0	0
36	Fifth International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, IC-ANMBES 2018. Analytical Letters, 2019, 52, 2329-2331.	1.0	0

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37	Nanozyme Modified Electrochemical Biosensors as Rapid Screening Tools for Biomolecules. Biophysical Journal, 2019, 116, 148a.	0.2	0
38	Comment from the Editors on the Special Issue: Advanced Analytical Methods in Clinical Diagnosis and Therapy. Journal of Clinical Medicine, 2019, 8, 1936.	1.0	0
39	Pollutants Biotransformation. NATO Science for Peace and Security Series C: Environmental Security, 2013, , 111-117.	0.1	0
40	An Impedimetric Sensor for Levothyroxine Detection towards Point of Care Applications. , 2021, , .		0