

Monica Florescu

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

931
citations

471371

17
h-index

454834

30
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43
all docs

43
docs citations

43
times ranked

1339
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.0	17
2	Molecular insights into binding mechanism of rutin to bovine serum albumin " Levothyroxine complex: Spectroscopic and molecular docking approaches. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 264, 120261.	2.0	10
3	Electrochemical quantification of levothyroxine at disposable screen-printed electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2022, 911, 116240.	1.9	10
4	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.	1.8	3
5	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.	1.2	7
6	An Impedimetric Sensor for Levothyroxine Detection towards Point of Care Applications. , 2021, , .		0
7	Biosensors for Antioxidants Detection: Trends and Perspectives. <i>Biosensors</i> , 2020, 10, 112.	2.3	12
8	Monitoring biomolecular interaction between folic acid and bovine serum albumin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 230, 118074.	2.0	20
9	Evaluation of Heat-Treated AISI 316 Stainless Steel in Solar Furnaces to Be Used as Possible Implant Material. <i>Materials</i> , 2020, 13, 581.	1.3	6
10	Chemometrics-based vibrational spectroscopy for Juglandis semen extracts investigation. <i>Journal of Chemometrics</i> , 2020, 34, e3234.	0.7	12
11	Fifth International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, IC-ANMBES 2018. <i>Analytical Letters</i> , 2019, 52, 2329-2331.	1.0	0
12	Bioelectrochemical evaluation of plant extracts and gold nanozyme-based sensors for total antioxidant capacity determination. <i>Bioelectrochemistry</i> , 2019, 129, 124-134.	2.4	37
13	Ti-Zr-Si-Nb Nanocrystalline Alloys and Metallic Glasses: Assessment on the Structure, Thermal Stability, Corrosion and Mechanical Properties. <i>Materials</i> , 2019, 12, 1551.	1.3	4
14	Nanozyme Modified Electrochemical Biosensors as Rapid Screening Tools for Biomolecules. <i>Biophysical Journal</i> , 2019, 116, 148a.	0.2	0
15	Chemometric Assessment of Spectroscopic Techniques and Antioxidant Activity for <i>Hippophae rhamnoides</i> L. Extracts Obtained by Different Isolation Methods. <i>Analytical Letters</i> , 2019, 52, 2393-2415.	1.0	12
16	A Nanoparticle-Based Label-Free Sensor for Screening the Relative Antioxidant Capacity of Hydrosoluble Plant Extracts. <i>Sensors</i> , 2019, 19, 590.	2.1	7
17	Comment from the Editors on the Special Issue: Advanced Analytical Methods in Clinical Diagnosis and Therapy. <i>Journal of Clinical Medicine</i> , 2019, 8, 1936.	1.0	0
18	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.	4.0	53

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19	Insight into the interaction of human serum albumin with folic acid: A biophysical study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 204, 648-656.	2.0	34
20	DEVELOPMENT AND EVALUATION OF SOL-GEL-BASED BIOSENSORS FOR CADMIUM IONS DETECTION. <i>Environmental Engineering and Management Journal</i> , 2018, 17, 317-326.	0.2	2
21	Characterization of Phenolics in <i>Lavandula angustifolia</i> . <i>Analytical Letters</i> , 2017, 50, 2839-2850.	1.0	21
22	Click-access to multilayer functionalized Au surface: A terpyridine patterning example. <i>Materials Science and Engineering C</i> , 2017, 75, 1343-1350.	3.8	5
23	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
24	4th International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, <i>IC-ANMBES 2016</i> . <i>Analytical Letters</i> , 2017, 50, 2661-2664.	1.0	0
25	Tyrosinase-Based Biosensors for Selective Dopamine Detection. <i>Sensors</i> , 2017, 17, 1314.	2.1	49
26	Third International Conference: Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences (IC-ANMBES 2014) June 13-15, 2014, Brasov, Romania. <i>Analytical Letters</i> , 2016, 49, 331-334.	1.0	0
27	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.	1.5	18
28	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.	2.4	76
29	Pollutants Biotransformation. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2013, , 111-117.	0.1	0
30	Synthesis of biomaterial thin films by pulsed laser technologies: Electrochemical evaluation of bioactive glass-based nanocomposite coatings for biomedical applications. <i>Materials Science and Engineering C</i> , 2012, 32, 1152-1157.	3.8	28
31	Double layered nanostructured composite coatings with bioactive silicate glass and polymethylmetacrylate for biomimetic implant applications. <i>Journal of Electroanalytical Chemistry</i> , 2010, 648, 111-118.	1.9	25
32	Non-Debye dielectric behavior and near-field interactions in biological tissues: When structure meets function. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 772-776.	1.5	7
33	Development and characterization of a new conducting carbon composite electrode. <i>Analytica Chimica Acta</i> , 2009, 635, 71-78.	2.6	49
34	Development and Application of Oxysilane Sol-Gel Electrochemical Glucose Biosensors Based on Cobalt Hexacyanoferrate Modified Carbon Film Electrodes. <i>Electroanalysis</i> , 2007, 19, 220-226.	1.5	21
35	A strategy for enzyme immobilization on layer-by-layer dendrimer-gold nanoparticle electrocatalytic membrane incorporating redox mediator. <i>Electrochemistry Communications</i> , 2006, 8, 1665-1670.	2.3	174
36	Characterization of cobalt- and copper hexacyanoferrate-modified carbon film electrodes for redox-mediated biosensors. <i>Journal of Solid State Electrochemistry</i> , 2005, 9, 354-362.	1.2	52

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37	Development and evaluation of electrochemical glucose enzyme biosensors based on carbon film electrodes. <i>Talanta</i> , 2005, 65, 306-312.	2.9	63
38	Carbon film electrodes for oxidase-based enzyme sensors in food analysis. <i>Talanta</i> , 2005, 68, 171-178.	2.9	35
39	Optimisation of a polymer membrane used in optical oxygen sensing. <i>Sensors and Actuators B: Chemical</i> , 2004, 97, 39-44.	4.0	19
40	Development and Characterization of Cobalt Hexacyanoferrate Modified Carbon Electrodes for Electrochemical Enzyme Biosensors. <i>Analytical Letters</i> , 2004, 37, 871-886.	1.0	43