Simona Carmen Litescu

List of Publications by Year
in descending order

57	1,112	394286	434063
papers	citations	19 h-index	31 g-index

58	58	58	1737
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Laccaseâ€“MWCNTâ€“chitosan biosensorâ€”A new tool for total polyphenolic content evaluation from in vitro cultivated plants. Sensors and Actuators B: Chemical, 2010, 145, 800-806.	4.0	123
2	Screen-printed electrodes with electropolymerized Meldola Blue as versatile detectors in biosensors. Biosensors and Bioelectronics, 2003, 18, 781-790.	5.3	68
3	Disposable biosensor based on platinum nanoparticles-reduced graphene oxide-laccase biocomposite for the determination of total polyphenolic content. Talanta, 2013, 110, 164-170.	2.9	62
4	Analytical tools monitoring endocrine disrupting chemicals. TrAC - Trends in Analytical Chemistry, 2016, 80, 555-567.	5.8	53
5	Synthetic biology and biomimetic chemistry as converging technologies fostering a new generation of smart biosensors. Biosensors and Bioelectronics, 2015, 74, 1076-1086.	5.3	48
6	Development of a label-free aptasensor for monitoring the self-association of lysozyme. Analyst, The, 2013, 138, 3530.	1.7	46
7	Hydrogel-magnetic nanoparticles with immobilized l-asparaginase for biomedical applications. Journal of Materials Science: Materials in Medicine, 2009, 20, 1307-1314.	1.7	40
8	Bienzymatic sensor based on the use of redox enzymes and chitosanâ€“MWCNT nanocomposite. Evaluation of total phenolic content in plant extracts. Mikrochimica Acta, 2011, 172, 177-184.	2.5	39
9	Disposable dual sensor array for simultaneous determination of chlorogenic acid and caffeine from coffee. RSC Advances, 2015, 5, 261-268.	1.7	39
10	Correlation between polyphenol content and anti-inflammatory activity ofVerbascum phlomoides(mullein). Pharmaceutical Biology, 2013, 51, 925-929.	1.3	36
11	Insights into photo-electrochemical sensing of herbicides driven by Chlamydomonas reinhardtii cells. Sensors and Actuators B: Chemical, 2013, 185, 321-330.	4.0	33
12	Methods for the Determination of Antioxidant Capacity in Food and Raw Materials. Advances in Experimental Medicine and Biology, 2010, 698, 241-249.	0.8	32
13	Non-destructive analysis of amber artefacts from the prehistoric Cioclovina hoard (Romania). Journal of Archaeological Science, 2010, 37, 2386-2396.	1.2	30
14	Laccase-Nafion Based Biosensor for the Determination of Polyphenolic Secondary Metabolites. Analytical Letters, 2010, 43, 1089-1099.	1.0	25
15	Determination of the antiradical properties of olive oils using an electrochemical method based on DPPH radical. Food Chemistry, 2015, 166, 324-329.	4.2	25
16	Polyphenols in Coreopsis tinctoria Nutt. fruits and the plant extracts antioxidant capacity evaluation. Open Chemistry, 2014, 12, 858-867.	1.0	24
17	Phenolic and Anthocyanin Profile of Valea Calugareasca Red Wines by HPLC-PDA-MS and MALDI-TOF Analysis. Food Analytical Methods, 2016, 9, 300-310.	1.3	23
18	Biosensors for the Determination of Phenolic Metabolites. Advances in Experimental Medicine and Biology, 2010, 698, 234-240.	0.8	21

#	Article	IF	Citations
19	Evaluation of Geranium spp., Helleborus spp. and Hyssopus spp. polyphenolic extracts inhibitory activity against urease and Î±-chymotrypsin. Journal of Enzyme Inhibition and Medicinal Chemistry, 2014, 29, 28-34.	2.5	20
20	Voltammetric analysis of naringenin at a disposable pencil graphite electrode â€“ application to polyphenol content determination in citrus juice. Analytical Methods, 2018, 10, 5763-5772.	1.3	20
21	Integrated plant biotechnologies applied to safer and healthier food production: The Nutra-Snack manufacturing chain. Trends in Food Science and Technology, 2011, 22, 353-366.	7.8	18
22	Nanostructured Biomaterials with Controlled Properties Synthesis and Characterization. Nanoscale Research Letters, 2009, 4, 544-549.	3.1	16
23	Analytical methods to differentiate Romanian amber and Baltic amber for archaeological applications. Open Chemistry, 2009, 7, 560-568.	1.0	16
24	Membrane processes application on the Symphytum officinale and Geranium robertianum extracts concentration to obtain high antioxidative activity compounds. Journal of the Serbian Chemical Society, 2012, 77, 1191-1203.	0.4	14
25	FTIR and statistical studies on amber artefacts from three Romanian archaeological sites. Journal of Archaeological Science, 2012, 39, 3524-3533.	1.2	14
26	Versatile SPR aptasensor for detection of lysozyme dimer in oligomeric and aggregated mixtures. Biosensors and Bioelectronics, 2016, 83, 353-360.	5.3	14
27	BIOSENSOR FOR THE ENANTIOSELECTIVE ANALYSIS OF THE THYROID HORMONES (+)-3,3â€²,5-TRIIODO-L-THYRONINE (T3) AND (+)-3,3â€²,5,5â€²-TETRAIODO-L-THYRONINE (T4). Journal of Immunoassay and Immunochemistry, 2002, 23, 181-190.	0.8	13
28	A multi-analytical approach to amber characterisation. Chemical Papers, 2014, 68, .	1.0	12
29	Characterization of the Phenolics and Free Radical Scavenging of Romanian Red Wine. Analytical Letters, 2017, 50, 591-606.	1.0	11
30	Antioxidative Power Evaluation of Some Phenolic Antioxidants - Electroanalytical Approach. Electroanalysis, 2001, 13, 804-806.	1.5	10
31	Monitoring of Rosmarinic Acid Accumulation in Sage Cell Cultures using Laccase Biosensor. Phytochemical Analysis, 2013, 24, 53-58.	1.2	10
32	The Use of Oxygen Radical Absorbance Capacity (ORAC) and Trolox Equivalent Antioxidant Capacity (TEAC) Assays in the Assessment of Beveragesâ€™ Antioxidant Properties. , 2014, , 245-251.		10
33	VOLTAMMETRIC DETERMINATION OF COENZYME Q10AT A SOLID GLASSY CARBON ELECTRODE. Instrumentation Science and Technology, 2001, 29, 109-116.	0.9	9
34	Study of Phenol-Like Compounds Antioxidative Behavior on Low-Density Lipoprotein Gold Modified Electrode. Electroanalysis, 2002, 14, 858.	1.5	9
35	Development of a nanocomposite system and its application in biosensors construction. Open Chemistry, 2013, 11, 968-978.	1.0	9
36	Electrochemical determination of minocycline in pharmaceutical preparations. Analusis - European Journal of Analytical Chemistry, 1998, 26, 175-178.	0.4	9

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37	Validated HPLC-Fl Method for the Analysis of S-Adenosylmethionine and S-Adenosylhomocysteine Biomarkers in Human Blood. Journal of Fluorescence, 2013, 23, 381-386.	1.3	8
38	In vitro and in vivo comparison of the biological activities of two traditionally and widely used Arum species from Jordan: Arum dioscoridis Sibth & Sm. and Arum palaestinum Boiss.. Natural Product Research, 2016, 30, 1777-1786.	1.0	8
39	Phytochemical and biological evaluations of Arum hygrophilum boiss. (Araceae). Pharmacognosy Magazine, 2017, 13, 275.	0.3	8
40	LC-MS and FT-IR characterization of amber artifacts. Open Chemistry, 2012, 10, 1882-1889.	1.0	7
41	Application of an optimized electrochemical sensor for monitoring astaxanthin antioxidant properties against lipoperoxidation. New Journal of Chemistry, 2015, 39, 6428-6436.	1.4	7
42	A novel optical/electrochemical biosensor for real time measurement of physiological effect of astaxanthin on algal photoprotection. Sensors and Actuators B: Chemical, 2017, 241, 993-1001.	4.0	7
43	Rapid Voltammetric Screening Method for the Assessment of Bioflavonoid Content Using the Disposable Bare Pencil Graphite Electrode. Chemosensors, 2021, 9, 323.	1.8	7
44	Determination of S-Adenosylmethionine and S-Adenosylhomocysteine from Human Blood Samples by HPLC-FL. Analytical Letters, 2008, 41, 1720-1731.	1.0	6
45	A Novel HPLC-PDA-MS Method for S-Adenosylmethionine and S-Adenosylhomocysteine Routine Analysis. Analytical Letters, 2010, 43, 793-803.	1.0	6
46	Spectrochemical Characterization of Thin Layers of Lipoprotein Self-Assembled Films on Solid Supports Under Oxidation Process. Analytical Letters, 2011, 44, 747-760.	1.0	6
47	Fourier Transform Infrared Spectroscopy - Useful Analytical Tool for Non-Destructive Analysis. , 0, , .		6
48	Electrochemical investigation of a glassy carbon electrode modified with carbon nanotubes decorated with (poly)crystalline gold. Mikrochimica Acta, 2011, 175, 97-104.	2.5	5
49	Lipid hydroxide determination on a ferrocenemethanol modified electrode. Analytical Methods, 2013, 5, 2013.	1.3	5
50	Metal Nano-Oxide based Colorimetric Sensor Array for the Determination of Plant Polyphenols with Antioxidant Properties. Analytical Letters, 2020, 53, 627-645.	1.0	5
51	Development of a New HPLC Method for Determination of Papaverine in Presence of Its Photooxidation Products. Analytical Letters, 2010, 43, 1217-1229.	1.0	4
52	Assessment of role of rosmarinic acid in preventing oxidative process of low density lipoproteins. Chemical Papers, 2012, 66, .	1.0	4
53	Chromatographic analysis of immobilized cefotaxime. Journal of the Serbian Chemical Society, 2014, 79, 579-586.	0.4	4
54	Inhibition of Low-Density Lipoprotein Peroxidation by BHA Use: Fluorimetric Assay. Analytical Letters, 2008, 41, 3253-3263.	1.0	1

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55	Genetic characterization of some Romanian red wine grapevine varieties. , 2008, , .		1
56	Composites of High-Density Polyethylene-Elastomer: Analysis by Physico-mechanical Tests and ATR-FTIR Spectrometry. International Journal of Polymer Analysis and Characterization, 2009, 14, 102-114.	0.9	1
57	Spectroscopic studies on lipoprotein structure modification under oxidative stress. Spectroscopy, 2011, 26, 167-178.	0.8	1