

Simone B Morais

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

164
papers

3,900
citations

37
h-index

54
g-index

182
ext. papers

4,578
ext. citations

5.9
avg, IF

5.74
L-index

#	Paper	IF	Citations
164	Involvement of the Iron-Regulated Loci and in Biofilm Formation and Survival of <i>Staphylococcus epidermidis</i> within the Host.. <i>Microbiology Spectrum</i> , 2022 , e0216821	8.9	2
163	Advantages and limitations of functionalized graphene-based electrochemical sensors for environmental monitoring 2022 , 487-520		0
162	Insight into the Potential of Urinary Biomarkers of Oxidative Stress for Firefighters Health Surveillance. <i>Studies in Systems, Decision and Control</i> , 2022 , 321-335	0.8	2
161	Indoor Air Quality Under Restricted Ventilation and Occupancy Scenarios with Focus on Particulate Matter: A Case Study of Fitness Centre. <i>Studies in Systems, Decision and Control</i> , 2022 , 345-354	0.8	
160	The simpler the better: Highly sensitive 17 β -ethinylestradiol sensor based on an unmodified carbon paper transducer.. <i>Talanta</i> , 2022 , 245, 123457	6.2	2
159	Siderophore-Mediated Iron Acquisition Plays a Critical Role in Biofilm Formation and Survival of Within the Host.. <i>Frontiers in Medicine</i> , 2021 , 8, 799227	4.9	2
158	Laccase bioconjugate and multi-walled carbon nanotubes-based biosensor for bisphenol A analysis.. <i>Bioelectrochemistry</i> , 2021 , 144, 108033	5.6	4
157	Removal and sensing of emerging pollutants released from (micro)plastics degradation: strategies based on boron-doped diamond electrodes. <i>Current Opinion in Electrochemistry</i> , 2021 , 31, 100866	7.2	0
156	Environmental and Health Hazards of Chromated Copper Arsenate-Treated Wood: A Review. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	7
155	Carbon paper as a promising sensing material: Characterization and electroanalysis of ketoprofen in wastewater and fish. <i>Talanta</i> , 2021 , 226, 122111	6.2	9
154	Chemical Characterization and In Vitro Bioactivity of Apple Bark Extracts Obtained by Subcritical Water. <i>Waste and Biomass Valorization</i> , 2021 , 12, 6781	3.2	2
153	Bioactive Lipids of Seaweeds from the Portuguese North Coast: Health Benefits versus Potential Contamination. <i>Foods</i> , 2021 , 10,	4.9	5
152	Urinary biohazard markers in firefighters. <i>Advances in Clinical Chemistry</i> , 2021 , 105, 243-319	5.8	4
151	Seaweeds rehydration and boiling: Impact on iodine, sodium, potassium, selenium, and total arsenic contents and health benefits for consumption. <i>Food and Chemical Toxicology</i> , 2021 , 155, 112385	4.7	1
150	Electrochemical (bio)sensors based on carbon cloth and carbon paper: An overview. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 142, 116324	14.6	12
149	Systematic review on lectin-based electrochemical biosensors for clinically relevant carbohydrates and glycoconjugates. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 208, 112148	6	2
148	Firefighters' occupational exposure: Contribution from biomarkers of effect to assess health risks. <i>Environment International</i> , 2021 , 156, 106704	12.9	8

147	A self-powered biosensor for glucose detection using modified pencil graphite electrodes as transducers. <i>Chemical Engineering Journal</i> , 2021 , 426, 131835	14.7	4
146	Electrochemical sensor based on multi-walled carbon nanotubes for imidacloprid determination. <i>Analytical Methods</i> , 2021 , 13, 2124-2136	3.2	5
145	Valorization Potential of Oilseed Cakes by Subcritical Water Extraction. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 8815	2.6	8
144	Polyethylenimine-Multi-Walled Carbon Nanotubes/Glassy Carbon Electrode as an Efficient Sensing Platform for Promethazine. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 107506	3.9	8
143	Critical review of micro-extraction techniques used in the determination of polycyclic aromatic hydrocarbons in biological, environmental and food samples. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2020 , 37, 1004-1026	3.2	13
142	Development of New Canned Chub Mackerel Products Incorporating Edible Seaweeds-Influence on the Minerals and Trace Elements Composition. <i>Molecules</i> , 2020 , 25,	4.8	4
141	Application of Nanostructured Carbon-Based Electrochemical (Bio)Sensors for Screening of Emerging Pharmaceutical Pollutants in Waters and Aquatic Species: A Review. <i>Nanomaterials</i> , 2020 , 10,	5.4	20
140	Environmental Particulate Matter Levels during 2017 Large Forest Fires and Megafires in the Center Region of Portugal: A Public Health Concern?. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	14
139	Vine-Canes Valorisation: Ultrasound-Assisted Extraction from Lab to Pilot Scale. <i>Molecules</i> , 2020 , 25,	4.8	13
138	Assessment of Urinary 1-hydroxypyrene and 3-hydroxybenzo(a)pyrene in Barbecue Grill Workers. <i>Studies in Systems, Decision and Control</i> , 2020 , 351-358	0.8	2
137	Grill Workers Exposure to Polycyclic Aromatic Hydrocarbons: Levels and Excretion Profiles of the Urinary Biomarkers. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 18,	4.6	6
136	Biosensors on the road to early diagnostic and surveillance of Alzheimer's disease. <i>Talanta</i> , 2020 , 211, 120700	6.2	19
135	Current overview and perspectives on carbon-based (bio)sensors for carbamate pesticides electroanalysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 124, 115779	14.6	24
134	Comparative Cr, As and CCA induced Cytostaticity in mice kidney: A contribution to assess CCA toxicity. <i>Environmental Toxicology and Pharmacology</i> , 2020 , 73, 103297	5.8	6
133	Ultrafine particles: Levels in ambient air during outdoor sport activities. <i>Environmental Pollution</i> , 2020 , 258, 113648	9.3	15
132	Polycyclic aromatic hydrocarbons in wild and farmed whitemouth croaker and meagre from different Atlantic Ocean fishing areas: Concentrations and human health risk assessment. <i>Food and Chemical Toxicology</i> , 2020 , 146, 111797	4.7	2
131	Exposure of nursing mothers to polycyclic aromatic hydrocarbons: Levels of un-metabolized and metabolized compounds in breast milk, major sources of exposure and infants' health risks. <i>Environmental Pollution</i> , 2020 , 266, 115243	9.3	5
130	Firefighters exposure to fire emissions: Impact on levels of biomarkers of exposure to polycyclic aromatic hydrocarbons and genotoxic/oxidative-effects. <i>Journal of Hazardous Materials</i> , 2020 , 383, 121179	12.8	21

129	Mineral Content of Various Portuguese Breads: Characterization, Dietary Intake, and Discriminant Analysis. <i>Molecules</i> , 2019 , 24,	4.8	4
128	Electroanalysis of Pharmaceuticals on Boron-Doped Diamond Electrodes: A Review. <i>ChemElectroChem</i> , 2019 , 6, 2350-2378	4.3	30
127	Electroanalytical characterization of the direct <i>Marinobacter hydrocarbonoclasticus</i> nitric oxide reductase-catalysed nitric oxide and dioxygen reduction. <i>Bioelectrochemistry</i> , 2019 , 125, 8-14	5.6	4
126	Evaluation of the adsorption potential of biochars prepared from forest and agri-food wastes for the removal of fluoxetine. <i>Bioresource Technology</i> , 2019 , 292, 121973	11	27
125	(Ultra) Fine particle concentrations and exposure in different indoor and outdoor microenvironments during physical exercising. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2019 , 82, 591-602	3.2	8
124	Trends and Frontiers in Graphene-Based (Bio)sensors for Pesticides Electroanalysis 2019 , 59-98		1
123	Barbecue Grill Workers Occupational Exposure to Particulate-Bound Polycyclic Aromatic Hydrocarbons. <i>Studies in Systems, Decision and Control</i> , 2019 , 201-209	0.8	3
122	Biosensor for direct bioelectrocatalysis detection of nitric oxide using nitric oxide reductase incorporated in carboxylated single-walled carbon nanotubes/lipidic 3 bilayer nanocomposite. <i>Bioelectrochemistry</i> , 2019 , 127, 76-86	5.6	21
121	Nanomaterials towards Biosensing of Alzheimer's Disease Biomarkers. <i>Nanomaterials</i> , 2019 , 9,	5.4	31
120	Third-generation electrochemical biosensor based on nitric oxide reductase immobilized in a multiwalled carbon nanotubes/1-n-butyl-3-methylimidazolium tetrafluoroborate nanocomposite for nitric oxide detection. <i>Sensors and Actuators B: Chemical</i> , 2019 , 285, 445-452	8.5	25
119	Children environmental exposure to particulate matter and polycyclic aromatic hydrocarbons and biomonitoring in school environments: A review on indoor and outdoor exposure levels, major sources and health impacts. <i>Environment International</i> , 2019 , 124, 180-204	12.9	110
118	Polycyclic aromatic hydrocarbons bioaccessibility in seafood: Culinary practices effects on dietary exposure. <i>Environmental Research</i> , 2018 , 164, 165-172	7.9	16
117	Potential of Portuguese vine shoot wastes as natural resources of bioactive compounds. <i>Science of the Total Environment</i> , 2018 , 634, 831-842	10.2	53
116	Microwave-assisted extraction of phenolic compounds from <i>Morus nigra</i> leaves: optimization and characterization of the antioxidant activity and phenolic composition. <i>Journal of Chemical Technology and Biotechnology</i> , 2018 , 93, 1684-1693	3.5	27
115	Subcritical water extraction of antioxidants from mountain germander (<i>Teucrium montanum</i> L.). <i>Journal of Supercritical Fluids</i> , 2018 , 138, 200-206	4.2	26
114	Dispersion of multi-walled carbon nanotubes in [BMIM]PF for electrochemical sensing of acetaminophen. <i>Materials Science and Engineering C</i> , 2018 , 88, 148-156	8.3	13
113	Indoor particulate pollution in fitness centres with emphasis on ultrafine particles. <i>Environmental Pollution</i> , 2018 , 233, 180-193	9.3	25
112	Electroanalysis of Imidacloprid Insecticide in River Waters Using Functionalized Multi-Walled Carbon Nanotubes Modified Glassy Carbon Electrode. <i>Journal of the Electrochemical Society</i> , 2018 , 165, B431-B435	3.9	9

111	Seaweeds from the Portuguese coast as a source of proteinaceous material: Total and free amino acid composition profile. <i>Food Chemistry</i> , 2018 , 269, 264-275	8.5	52
110	Indoor air quality in health clubs: Impact of occupancy and type of performed activities on exposure levels. <i>Journal of Hazardous Materials</i> , 2018 , 359, 56-66	12.8	14
109	Nitric Oxide Detection Using Electrochemical Third-generation Biosensors [Based on Heme Proteins and Porphyrins. <i>Electroanalysis</i> , 2018 , 30, 2485-2503	3	8
108	Sensing of formetanate pesticide in fruits with a boron-doped diamond electrode. <i>Microchemical Journal</i> , 2018 , 142, 24-29	4.8	13
107	Occupational exposure in fitness clubs to indoor particles 2018 , 251-255		
106	Levels of urinary biomarkers of exposure and potential genotoxic risks in firefighters 2018 , 267-271		
105	Subcritical water extraction as an environmentally-friendly technique to recover bioactive compounds from traditional Serbian medicinal plants. <i>Industrial Crops and Products</i> , 2018 , 111, 579-589	5.9	56
104	New Generation of Electrochemical Sensors Based on Multi-Walled Carbon Nanotubes. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1925	2.6	49
103	Commercial octopus species from different geographical origins: Levels of polycyclic aromatic hydrocarbons and potential health risks for consumers. <i>Food and Chemical Toxicology</i> , 2018 , 121, 272-282	4.7	8
102	Experimental and computational studies of the interactions between carbon nanotubes and ionic liquids used for detection of acetaminophen. <i>Sensors and Actuators B: Chemical</i> , 2018 , 277, 640-646	8.5	7
101	Chitosan-magnetite nanocomposite as a sensing platform to bendiocarb determination. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 7229-7238	4.4	10
100	Label-free Voltammetric Immunosensor for Prostate Specific Antigen Detection. <i>Electroanalysis</i> , 2018 , 30, 2604-2611	3	10
99	Polycyclic aromatic hydrocarbons at fire stations: firefighters' exposure monitoring and biomonitoring, and assessment of the contribution to total internal dose. <i>Journal of Hazardous Materials</i> , 2017 , 323, 184-194	12.8	48
98	Sensor based on [NiOx hybrid film/multi-walled carbon nanotubes composite electrode for groundwater salinization inspection. <i>Chemical Engineering Journal</i> , 2017 , 323, 47-55	14.7	5
97	Wood smoke exposure of Portuguese wildland firefighters: DNA and oxidative damage evaluation. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2017 , 80, 596-604	3.2	9
96	Indoor air quality in preschools (3- to 5-year-old children) in the Northeast of Portugal during spring-summer season: pollutants and comfort parameters. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2017 , 80, 740-755	3.2	9
95	Individual and cumulative impacts of fire emissions and tobacco consumption on wildland firefighters' total exposure to polycyclic aromatic hydrocarbons. <i>Journal of Hazardous Materials</i> , 2017 , 334, 10-20	12.8	14
94	Occupational exposure of firefighters to polycyclic aromatic hydrocarbons in non-fire work environments. <i>Science of the Total Environment</i> , 2017 , 592, 277-287	10.2	19

93	Environment-Friendly Techniques for Extraction of Bioactive Compounds From Fruits 2017 , 21-47		1
92	Seaweeds from the Portuguese coast: A potential food resource?. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 231, 012126	0.4	7
91	Polycyclic aromatic hydrocarbons (PAH) in Portuguese educational settings: a comparison between preschools and elementary schools. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2017 , 80, 630-640	3.2	7
90	Assessment of exposure to polycyclic aromatic hydrocarbons in preschool children: Levels and impact of preschool indoor air on excretion of main urinary monohydroxyl metabolites. <i>Journal of Hazardous Materials</i> , 2017 , 322, 357-369	12.8	26
89	Alzheimer's disease: Development of a sensitive label-free electrochemical immunosensor for detection of amyloid beta peptide. <i>Sensors and Actuators B: Chemical</i> , 2017 , 239, 157-165	8.5	75
88	Chlorhexidine digluconate on chitosan-magnetic iron oxide nanoparticles modified electrode: Electroanalysis and mechanistic insights by computational simulations. <i>Sensors and Actuators B: Chemical</i> , 2017 , 240, 417-425	8.5	15
87	Polycyclic aromatic hydrocarbons in primary school environments: Levels and potential risks. <i>Science of the Total Environment</i> , 2017 , 575, 1156-1167	10.2	36
86	Evaluation of degradation mechanism of chlorhexidine by means of Density Functional Theory calculations. <i>Computational Biology and Chemistry</i> , 2017 , 71, 82-88	3.6	2
85	Valorization of apple tree wood residues by polyphenols extraction: Comparison between conventional and microwave-assisted extraction. <i>Industrial Crops and Products</i> , 2017 , 104, 210-220	5.9	68
84	Process development for a combined treatment of EAFD and jarosite 2017 , 37-43		1
83	Assessment of air quality in preschool environments (3-5 years old children) with emphasis on elemental composition of PM10 and PM2.5. <i>Environmental Pollution</i> , 2016 , 214, 430-439	9.3	20
82	Modeling of laccase inhibition by formetanate pesticide using theoretical approaches. <i>Bioelectrochemistry</i> , 2016 , 108, 46-53	5.6	10
81	Electroanalysis of formetanate hydrochloride by a cobalt phthalocyanine functionalized multiwalled carbon nanotubes modified electrode: characterization and application in fruits. <i>Electrochimica Acta</i> , 2016 , 194, 187-198	6.7	21
80	Assessment of polycyclic aromatic hydrocarbons in indoor and outdoor air of preschool environments (3-5 years old children). <i>Environmental Pollution</i> , 2016 , 208, 382-94	9.3	38
79	Human systems engineering approach for safety and risk management of complex systems design 2016 , 57-62		1
78	Firefighters' exposure biomonitoring: Impact of firefighting activities on levels of urinary monohydroxyl metabolites. <i>International Journal of Hygiene and Environmental Health</i> , 2016 , 219, 857-866	6.9	28
77	Mineral Composition Variability of Coffees: A Result of Processing and Production 2015 , 549-558		8
76	Voltammetric analysis of mancozeb and its degradation product ethylenethiourea. <i>Journal of Electroanalytical Chemistry</i> , 2015 , 758, 54-58	4.1	9

75	Children's Indoor Exposures to (Ultra)Fine Particles in an Urban Area: Comparison Between School and Home Environments. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2015 , 78, 886-96	3.2	13
74	Exposure to polycyclic aromatic hydrocarbons and assessment of potential risks in preschool children. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 13892-902	5.1	7
73	Revalorization of spent coffee residues by a direct agronomic approach. <i>Food Research International</i> , 2015 , 73, 190-196	7	38
72	Polycyclic aromatic hydrocarbons: levels and phase distributions in preschool microenvironment. <i>Indoor Air</i> , 2015 , 25, 557-68	5.4	19
71	A Review on the Assessment of the Potential Adverse Health Impacts of Carbamate Pesticides 2015 ,		5
70	Espresso beverages of pure origin coffee: mineral characterization, contribution for mineral intake and geographical discrimination. <i>Food Chemistry</i> , 2015 , 177, 330-8	8.5	42
69	Characterization of indoor air pollution in a Portuguese pre-school 2015 , 139-142		1
68	Improvement of vegetables elemental quality by espresso coffee residues. <i>Food Chemistry</i> , 2014 , 148, 294-9	8.5	25
67	Trace metals in size-fractionated particulate matter in a Portuguese hospital: exposure risks assessment and comparisons with other countries. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 3604-20	5.1	17
66	Simple laccase-based biosensor for formetanate hydrochloride quantification in fruits. <i>Bioelectrochemistry</i> , 2014 , 95, 7-14	5.6	40
65	Commercial squids: characterization, assessment of potential health benefits/risks and discrimination based on mineral, lipid and vitamin E concentrations. <i>Food and Chemical Toxicology</i> , 2014 , 67, 44-56	4.7	11
64	Characterization of the toxicological effects of aminocarb on rats: hematological, biochemical, and histological analyses. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2014 , 77, 849-55	3.2	1
63	SPE-LC-FD determination of polycyclic aromatic hydrocarbon monohydroxy derivatives in cephalopods. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 2685-91	5.7	5
62	Octopus lipid and vitamin E composition: interspecies, interorigin, and nutritional variability. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 8508-17	5.7	6
61	Seasonal patterns of polycyclic aromatic hydrocarbons in digestive gland and arm of octopus (<i>Octopus vulgaris</i>) from the Northwest Atlantic. <i>Science of the Total Environment</i> , 2014 , 481, 488-97	10.2	11
60	Ultrafine particles in ambient air of an urban area: dose implications for elderly. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2014 , 77, 827-36	3.2	4
59	Assessment of ultrafine particles in Portuguese preschools: levels and exposure doses. <i>Indoor Air</i> , 2014 , 24, 618-28	5.4	51
58	Sensitive bi-enzymatic biosensor based on polyphenoloxidases-gold nanoparticles-chitosan hybrid film-graphene doped carbon paste electrode for carbamates detection. <i>Bioelectrochemistry</i> , 2014 , 98, 20-9	5.6	61

57	Levels and risks of particulate-bound PAHs in indoor air influenced by tobacco smoke: a field measurement. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 4492-501	5.1	28
56	Determination of Ochratoxin A in Bread: Evaluation of Microwave-Assisted Extraction Using an Orthogonal Composite Design Coupled with Response Surface Methodology. <i>Food and Bioprocess Technology</i> , 2013 , 6, 2466-2477	5.1	13
55	PAH air pollution at a Portuguese urban area: carcinogenic risks and sources identification. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 3932-45	5.1	71
54	Evaluation of atmospheric deposition and patterns of polycyclic aromatic hydrocarbons in façades of historic monuments of Oporto (Portugal). <i>International Journal of Environmental Analytical Chemistry</i> , 2013 , 93, 1052-1064	1.8	2
53	Impact of vehicular traffic emissions on particulate-bound PAHs: Levels and associated health risks. <i>Atmospheric Research</i> , 2013 , 127, 141-147	5.4	83
52	Laccase-Prussian blue film-graphene doped carbon paste modified electrode for carbamate pesticides quantification. <i>Biosensors and Bioelectronics</i> , 2013 , 47, 292-9	11.8	46
51	Forest fires in Northern region of Portugal: Impact on PM levels. <i>Atmospheric Research</i> , 2013 , 127, 148-154	5.4	10
50	Polycyclic aromatic hydrocarbons in commercial squids from different geographical origins: levels and risks for human consumption. <i>Food and Chemical Toxicology</i> , 2013 , 59, 46-54	4.7	19
49	Brewer's spent grain from different types of malt: Evaluation of the antioxidant activity and identification of the major phenolic compounds. <i>Food Research International</i> , 2013 , 54, 382-388	7	80
48	Biosensor based on multi-walled carbon nanotubes paste electrode modified with laccase for pirimicarb pesticide quantification. <i>Talanta</i> , 2013 , 106, 137-43	6.2	71
47	Subacute effects of the thiodicarb pesticide on target organs of male Wistar rats: biochemical, histological, and flow cytometry studies. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2013 , 76, 533-9	3.2	9
46	Molinate quantification in environmental water by a glutathione-S-transferase based biosensor. <i>Talanta</i> , 2013 , 106, 249-54	6.2	21
45	Validation of a Single-Extraction Procedure for Sequential Analysis of Vitamin E, Cholesterol, Fatty Acids, and Total Fat in Seafood. <i>Food Analytical Methods</i> , 2013 , 6, 1196-1204	3.4	37
44	Ultrasonic- and microwave-assisted extraction and modification of algal components 2013 , 585-605		4
43	Structural, physical, and chemical modifications induced by microwave heating on native agar-like galactans. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 4977-85	5.7	28
42	Metal accumulation and oxidative stress biomarkers in octopus (<i>Octopus vulgaris</i>) from Northwest Atlantic. <i>Science of the Total Environment</i> , 2012 , 433, 230-7	10.2	36
41	Polycyclic aromatic hydrocarbon levels in three pelagic fish species from Atlantic Ocean: inter-specific and inter-season comparisons and assessment of potential public health risks. <i>Food and Chemical Toxicology</i> , 2012 , 50, 162-7	4.7	37
40	Analysis of polycyclic aromatic hydrocarbons in fish: Optimisation and validation of microwave-assisted extraction. <i>Food Chemistry</i> , 2012 , 135, 234-242	8.5	42

39	Extraction of ochratoxin A in bread samples by the QuEChERS methodology. <i>Food Chemistry</i> , 2012 , 135, 2522-8	8.5	36
38	Development of polyaniline microarray electrodes for cadmium analysis. <i>Chemical Papers</i> , 2012 , 66,	1.9	3
37	Espresso coffee residues: a valuable source of unextracted compounds. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 7777-84	5.7	125
36	Indoor Air Pollutants: Relevant Aspects and Health Impacts 2012 ,		6
35	A novel application of microwave-assisted extraction of polyphenols from brewer's spent grain with HPLC-DAD-MS analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 403, 1019-29	4.4	71
34	Intra- and interspecific mineral composition variability of commercial instant coffees and coffee substitutes: Contribution to mineral intake. <i>Food Chemistry</i> , 2012 , 130, 702-709	8.5	51
33	Lipid content of frozen fish: Comparison of different extraction methods and variability during freezing storage. <i>Food Chemistry</i> , 2012 , 131, 328-336	8.5	43
32	Mercury, cadmium, lead and arsenic levels in three pelagic fish species from the Atlantic Ocean: intra- and inter-specific variability and human health risks for consumption. <i>Food and Chemical Toxicology</i> , 2011 , 49, 923-32	4.7	195
31	Urea Pesticides 2011 ,		6
30	Polycyclic aromatic hydrocarbons in gas and particulate phases of indoor environments influenced by tobacco smoke: Levels, phase distributions, and health risks. <i>Atmospheric Environment</i> , 2011 , 45, 1799-1808	5.3	96
29	Preservation of catechin antioxidant properties loaded in carbohydrate nanoparticles. <i>Carbohydrate Polymers</i> , 2011 , 86, 147-153	10.3	67
28	Air pollution from traffic emissions in Oporto, Portugal: Health and environmental implications. <i>Microchemical Journal</i> , 2011 , 99, 51-59	4.8	70
27	Influence of traffic emissions on the carcinogenic polycyclic aromatic hydrocarbons in outdoor breathable particles. <i>Journal of the Air and Waste Management Association</i> , 2010 , 60, 393-401	2.4	37
26	Toxicity of chromated copper arsenate: a study in mice. <i>Environmental Research</i> , 2010 , 110, 424-7	7.9	11
25	Monitoring of ochratoxin A exposure of the Portuguese population through a nationwide urine survey--Winter 2007. <i>Science of the Total Environment</i> , 2010 , 408, 1195-8	10.2	28
24	Agar extraction from integrated multitrophic aquacultured <i>Gracilaria vermiculophylla</i> : evaluation of a microwave-assisted process using response surface methodology. <i>Bioresource Technology</i> , 2010 , 101, 3258-67	11	89
23	Determination of carbamate and urea pesticide residues in fresh vegetables using microwave-assisted extraction and liquid chromatography. <i>International Journal of Environmental Analytical Chemistry</i> , 2009 , 89, 199-210	1.8	19
22	Influence of tobacco smoke on carcinogenic PAH composition in indoor PM10 and PM2.5. <i>Atmospheric Environment</i> , 2009 , 43, 6376-6382	5.3	37

21	Analysis of polycyclic aromatic hydrocarbons in atmospheric particulate samples by microwave-assisted extraction and liquid chromatography. <i>Journal of Separation Science</i> , 2009 , 32, 501-104	3.4	46
20	Analysis of polycyclic aromatic hydrocarbons in fish: evaluation of a quick, easy, cheap, effective, rugged, and safe extraction method. <i>Journal of Separation Science</i> , 2009 , 32, 3529-38	3.4	113
19	Nephrotoxicity effects of the wood preservative chromium copper arsenate on mice: histopathological and quantitative approaches. <i>Journal of Trace Elements in Medicine and Biology</i> , 2009 , 23, 224-30	4.1	13
18	Nephrotoxicity of CCA-treated wood: A comparative study with As(2)O(5) and CrO(3) on mice. <i>Environmental Toxicology and Pharmacology</i> , 2009 , 27, 259-63	5.8	15
17	Screening of Carbamates and Ureas in Fresh and Processed Tomato Samples using Microwave-Assisted Extraction and Liquid Chromatography. <i>Analytical Letters</i> , 2009 , 42, 265-283	2.2	15
16	A Multiresidue Method for the Analysis of Carbamate and Urea Pesticides from Soils by Microwave-Assisted Extraction and Liquid Chromatography with Photodiode Array Detection. <i>Analytical Letters</i> , 2008 , 41, 1751-1772	2.2	14
15	Determination of Chlorfenvinphos in Soils by Microwave-Assisted Extraction and Stripping Voltammetry with an Ultramicroelectrode. <i>Analytical Letters</i> , 2007 , 40, 1085-1097	2.2	7
14	Development and validation of a novel method for the analysis of chlorinated pesticides in soils using microwave-assisted extraction-headspace solid phase microextraction and gas chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2006 , 384, 810-6	4.4	38
13	The Periodic Table: Contest and Exhibition. <i>Journal of Chemical Education</i> , 2006 , 83, 557	2.4	4
12	Analysis of PCBs in soils and sediments by microwave-assisted extraction, headspace-SPME and high resolution gas chromatography with ion-trap tandem mass spectrometry. <i>International Journal of Environmental Analytical Chemistry</i> , 2006 , 86, 391-400	1.8	27
11	Determination of ametryn in soils via microwave-assisted solvent extraction coupled to anodic stripping voltammetry with a gold ultramicroelectrode. <i>Analytical and Bioanalytical Chemistry</i> , 2005 , 382, 477-84	4.4	17
10	Voltammetric Determination of Dialifos in Soils with a Mercury Film Ultramicroelectrode. <i>Analytical Letters</i> , 2005 , 38, 1275-1288	2.2	9
9	Anodic Adsorptive Stripping Voltammetric Determination of Atrazine in Spiked Soil Samples with a Gold Microelectrode. <i>Analytical Letters</i> , 2004 , 37, 3271-3286	2.2	7
8	Adsorptive Stripping Voltammetric Determination of Venlafaxine in Urine with a Mercury Film Microelectrode. <i>Analytical Letters</i> , 2003 , 36, 2515-2526	2.2	15
7	In vitro osteoblastic differentiation of human bone marrow cells in the presence of metal ions. <i>Journal of Biomedical Materials Research Part B</i> , 1999 , 44, 176-90		38
6	In vitro biomineralization by osteoblast-like cells. I. Retardation of tissue mineralization by metal salts. <i>Biomaterials</i> , 1998 , 19, 13-21	15.6	49
5	In vitro biomineralization by osteoblast-like cells. II. Characterization of cellular culture supernatants. <i>Biomaterials</i> , 1998 , 19, 23-9	15.6	13
4	Effects of AISI 316L corrosion products in in vitro bone formation. <i>Biomaterials</i> , 1998 , 19, 999-1007	15.6	42

3	Nickel determination in osteoblast-like cell culture medium by adsorptive cathodic stripping voltammetry with a mercury microelectrode. <i>Electroanalysis</i> , 1997 , 9, 422-426	3	13
2	Iron determination in osteoblast-like cell culture medium by adsorptive cathodic stripping voltammetry with a mercury microelectrode. <i>Electroanalysis</i> , 1997 , 9, 791-795	3	17
1	Potentiometric determination of total and ionized calcium in osteoblast-like cell culture medium. <i>Electroanalysis</i> , 1996 , 8, 1174-1178	3	8