

Silvia Canepari

List of Publications by Citations

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204
papers

4,258
citations

35
h-index

53
g-index

215
ext. papers

5,003
ext. citations

4.9
avg, IF

5.81
L-index

#	Paper	IF	Citations
204	Chemical characterization of atmospheric PM in Delhi, India, during different periods of the year including Diwali festival. <i>Atmospheric Pollution Research</i> , 2011 , 2, 418-427	4.5	126
203	Determination of aflatoxins in olive oil by liquid chromatography-tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2007 , 596, 141-8	6.6	116
202	Liquid chromatography/tandem mass spectrometric confirmatory method for determining aflatoxin M1 in cow milk: comparison between electrospray and atmospheric pressure photoionization sources. <i>Journal of Chromatography A</i> , 2006 , 1101, 69-78	4.5	112
201	Development of a multiresidue method for analysis of major Fusarium mycotoxins in corn meal using liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2005 , 19, 2085-93	2.2	104
200	Recent trends in the analysis of bioactive peptides in milk and dairy products. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 2677-85	4.4	100
199	Identification of potential bioactive peptides generated by simulated gastrointestinal digestion of soybean seeds and soy milk proteins. <i>Journal of Food Composition and Analysis</i> , 2015 , 44, 205-213	4.1	96
198	Seasonal variations in the chemical composition of particulate matter: a case study in the Po Valley. Part I: macro-components and mass closure. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 3999-4009 ⁸⁶	5.1	86
197	Rapid-resolution liquid chromatography/mass spectrometry for determination and quantitation of polyphenols in grape berries. <i>Rapid Communications in Mass Spectrometry</i> , 2008 , 22, 3089-99	2.2	85
196	Characterisation of the traffic sources of PM through size-segregated sampling, sequential leaching and ICP analysis. <i>Atmospheric Environment</i> , 2008 , 42, 8161-8175	5.3	84
195	Identification and mass spectrometric characterization of glycosylated flavonoids in Triticum durum plants by high-performance liquid chromatography with tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2005 , 19, 3143-58	2.2	75
194	Recent trends and analytical challenges in plant bioactive peptide separation, identification and validation. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 3425-3444	4.4	66
193	Surface chemistry and serum type both determine the nanoparticle-protein corona. <i>Journal of Proteomics</i> , 2015 , 119, 209-17	3.9	65
192	Influence of natural events on the concentration and composition of atmospheric particulate matter. <i>Atmospheric Environment</i> , 2009 , 43, 4766-4779	5.3	64
191	Comparison of extraction methods for the identification and quantification of polyphenols in virgin olive oil by ultra-HPLC-QToF mass spectrometry. <i>Food Chemistry</i> , 2014 , 158, 392-400	8.5	62
190	Comprehensive profiling of carotenoids and fat-soluble vitamins in milk from different animal species by LC-DAD-MS/MS hyphenation. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 1628-39	5.7	60
189	Determination of metals, metalloids and non-volatile ions in airborne particulate matter by a new two-step sequential leaching procedure Part A: Experimental design and optimisation. <i>Talanta</i> , 2006 , 69, 581-7	6.2	59
188	Peptidomic strategy for purification and identification of potential ACE-inhibitory and antioxidant peptides in Tetradismus obliquus microalgae. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 3573-3586	4.4	58

187	Enhancement of source traceability of atmospheric PM by elemental chemical fractionation. <i>Atmospheric Environment</i> , 2009 , 43, 4754-4765	5.3	54
186	Recent Applications of Magnetic Solid-phase Extraction for Sample Preparation. <i>Chromatographia</i> , 2019 , 82, 1251-1274	2.1	52
185	Seasonal variations in the chemical composition of particulate matter: a case study in the Po Valley. Part II: concentration and solubility of micro- and trace-elements. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 4010-22	5.1	52
184	Determination of soluble ions and elements in ambient air suspended particulate matter: Inter-technique comparison of XRF, IC and ICP for sample-by-sample quality control. <i>Talanta</i> , 2009 , 77, 1821-9	6.2	51
183	Comparative analysis of metabolic proteome variation in ascorbate-primed and unprimed wheat seeds during germination under salt stress. <i>Journal of Proteomics</i> , 2014 , 108, 238-57	3.9	50
182	Analytical Methods for Characterizing the Nanoparticle-Protein Corona. <i>Chromatographia</i> , 2014 , 77, 755-769	2.1	50
181	Multiclass analysis of mycotoxins in biscuits by high performance liquid chromatography-tandem mass spectrometry. Comparison of different extraction procedures. <i>Journal of Chromatography A</i> , 2014 , 1343, 69-78	4.5	47
180	Determination of metals, metalloids and non-volatile ions in airborne particulate matter by a new two-step sequential leaching procedure Part B: Validation on equivalent real samples. <i>Talanta</i> , 2006 , 69, 588-95	6.2	45
179	Liquid chromatography-high resolution mass spectrometry for the analysis of phytochemicals in vegetal-derived food and beverages. <i>Food Research International</i> , 2017 , 100, 28-52	7	43
178	First Results of the Carbonaceous Aerosol in Rome and Environs (CARE) Experiment: Beyond Current Standards for PM10. <i>Atmosphere</i> , 2017 , 8, 249	2.7	42
177	Ultrasound and microwave-assisted extraction of metals from sediment: a comparison with the BCR procedure. <i>Talanta</i> , 2005 , 66, 1122-30	6.2	42
176	Oxidative potential of size-segregated PM in an urban and an industrial area of Italy. <i>Atmospheric Environment</i> , 2018 , 187, 292-300	5.3	42
175	Aflatoxin M1 determination in cheese by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2006 , 1135, 135-41	4.5	41
174	Relationship between domestic smoking and metals and rare earth elements concentration in indoor PM. <i>Environmental Research</i> , 2018 , 165, 71-80	7.9	38
173	Thermal stability of inorganic and organic compounds in atmospheric particulate matter. <i>Atmospheric Environment</i> , 2012 , 54, 36-43	5.3	37
172	Comparison of extracting solutions for elemental fractionation in airborne particulate matter. <i>Talanta</i> , 2010 , 82, 834-44	6.2	37
171	Characterization of Italian multifloral honeys on the basis of their mineral content and some typical quality parameters. <i>Journal of Food Composition and Analysis</i> , 2018 , 74, 102-113	4.1	37
170	Microporous and mesoporous materials for the treatment of wastewater produced by petrochemical activities. <i>Journal of Cleaner Production</i> , 2014 , 77, 22-34	10.3	36

169	Optimization and validation of a fast digestion method for the determination of major and trace elements in breast milk by ICP-MS. <i>Analytica Chimica Acta</i> , 2018 , 1040, 49-62	6.6	35
168	Flavonoid profile in soybeans by high-performance liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2007 , 21, 2177-87	2.2	34
167	New Ti-IMAC magnetic polymeric nanoparticles for phosphopeptide enrichment from complex real samples. <i>Talanta</i> , 2018 , 178, 274-281	6.2	33
166	Urinary levels of trace elements among primary school-aged children from Italy: The contribution of smoking habits of family members. <i>Science of the Total Environment</i> , 2016 , 557-558, 378-85	10.2	33
165	Development of a Rapid LC-MS/MS Method for the Determination of Emerging Fusarium mycotoxins Enniatins and Beauvericin in Human Biological Fluids. <i>Toxins</i> , 2015 , 7, 3554-71	4.9	32
164	Comprehensive polyphenol profiling of a strawberry extract (<i>Fragaria lananassa</i>) by ultra-high-performance liquid chromatography coupled with high-resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 2127-2142	4.4	31
163	Chemical characterization of indoor and outdoor fine particulate matter in an occupied apartment in Rome, Italy. <i>Indoor Air</i> , 2016 , 26, 558-70	5.4	31
162	Heterosis profile of sunflower leaves: a label free proteomics approach. <i>Journal of Proteomics</i> , 2014 , 99, 101-10	3.9	29
161	Comparing the Performance of Teflon and Quartz Membrane Filters Collecting Atmospheric PM: Influence of Atmospheric Water. <i>Aerosol and Air Quality Research</i> , 2013 , 13, 137-147	4.6	29
160	Effects of high Zn and Pb concentrations on <i>Phragmites australis</i> (Cav.) Trin. Ex. Steudel: Photosynthetic performance and metal accumulation capacity under controlled conditions. <i>International Journal of Phytoremediation</i> , 2016 , 18, 16-24	3.9	27
159	Desert dust contribution to PM ₁₀ loads in Italy: Methods and recommendations addressing the relevant European Commission Guidelines in support to the Air Quality Directive 2008/50. <i>Atmospheric Environment</i> , 2017 , 161, 288-305	5.3	27
158	Lichen transplants as indicators of atmospheric element concentrations: a high spatial resolution comparison with PM ₁₀ samples in a polluted area (Central Italy). <i>Ecological Indicators</i> , 2019 , 101, 759-769 ^{5.8}	5.8	27
157	Particulate matter concentration and chemical composition in the metro system of Rome, Italy. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 9204-14	5.1	27
156	Comparative elemental analysis of dairy milk and plant-based milk alternatives. <i>Food Control</i> , 2020 , 116, 107327	6.2	27
155	Effect of DOPE and cholesterol on the protein adsorption onto lipid nanoparticles. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	27
154	Time-resolved measurements of water-soluble ions and elements in atmospheric particulate matter for the characterization of local and long-range transport events. <i>Chemosphere</i> , 2010 , 80, 1291-300 ^{8.4}	8.4	27
153	A new software-assisted analytical workflow based on high-resolution mass spectrometry for the systematic study of phenolic compounds in complex matrices. <i>Talanta</i> , 2020 , 209, 120573	6.2	27
152	A new rapid treatment of human hair for elemental determination by inductively coupled mass spectrometry. <i>Analytical Methods</i> , 2020 , 12, 1906-1918	3.2	26

151	Chromatographic column evaluation for the untargeted profiling of glucosinolates in cauliflower by means of ultra-high performance liquid chromatography coupled to high resolution mass spectrometry. <i>Talanta</i> , 2018 , 179, 792-802	6.2	26
150	Efficiency Evaluation of Food Waste Materials for the Removal of Metals and Metalloids from Complex Multi-Element Solutions. <i>Materials</i> , 2018 , 11,	3.5	26
149	A prophylactic multi-strain probiotic treatment to reduce the absorption of toxic elements: In-vitro study and biomonitoring of breast milk and infant stools. <i>Environment International</i> , 2019 , 130, 104818	12.9	26
148	Sources of PM in an Industrial Area: Comparison between Receptor Model Results and Semiempirical Calculations of Source Contributions. <i>Aerosol and Air Quality Research</i> , 2014 , 14, 1558-1572	4.6	25
147	Release of particles, organic compounds, and metals from crumb rubber used in synthetic turf under chemical and physical stress. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 1448-1459	5.1	25
146	Inorganic constituents of urban air pollution in the Lazio region (Central Italy). <i>Environmental Monitoring and Assessment</i> , 2007 , 128, 133-51	3.1	24
145	Inorganic constituents of urban air pollution in the Lazio region (Central Italy). <i>Environmental Monitoring and Assessment</i> , 2008 , 136, 69-86	3.1	24
144	Dissolution of glass wool, rock wool and alkaline earth silicate wool: morphological and chemical changes in fibers. <i>Regulatory Toxicology and Pharmacology</i> , 2014 , 70, 393-406	3.4	23
143	A Rapid Magnetic Solid Phase Extraction Method Followed by Liquid Chromatography-Tandem Mass Spectrometry Analysis for the Determination of Mycotoxins in Cereals. <i>Toxins</i> , 2017 , 9,	4.9	23
142	A sensitive confirmatory method for aflatoxins in maize based on liquid chromatography/electrospray ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2007 , 21, 550-6	2.2	23
141	Indoor air quality in schools of a highly polluted south Mediterranean area. <i>Indoor Air</i> , 2019 , 29, 276-290	5.4	23
140	A new carbon-based magnetic material for the dispersive solid-phase extraction of UV filters from water samples before liquid chromatography-tandem mass spectrometry analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 4181-4194	4.4	22
139	Chromatographic Methods Coupled to Mass Spectrometry Detection for the Determination of Phenolic Acids in Plants and Fruits. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2015 , 38, 353-370	1.3	22
138	Relevance of Sb(III), Sb(V), and Sb-containing nano-particles in urban atmospheric particulate matter. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 397, 2533-42	4.4	22
137	An inclusive view of Saharan dust advections to Italy and the Central Mediterranean. <i>Atmospheric Environment</i> , 2019 , 201, 242-256	5.3	22
136	Semiautomatic sequential extraction of polycyclic aromatic hydrocarbons and elemental bio-accessible fraction by accelerated solvent extraction on a single particulate matter sample. <i>Talanta</i> , 2017 , 174, 838-844	6.2	21
135	Qualitative and quantitative determination of water in airborne particulate matter. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 1193-1202	6.8	21
134	Profiling of selenium absorption and accumulation in healthy subjects after prolonged L-selenomethionine supplementation. <i>Journal of Endocrinological Investigation</i> , 2017 , 40, 1183-1190	5.2	20

133	Integrated Evaluation of Indoor Particulate Exposure: The VIEPI Project. <i>Sustainability</i> , 2020 , 12, 9758	3.6	20
132	Development of an enrichment method for endogenous phosphopeptide characterization in human serum. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 1177-1185	4.4	20
131	Two-stage chemical fractionation method for the analysis of elements and non-volatile inorganic ions in PM10 samples: Application to ambient samples collected in Rome (Italy). <i>Atmospheric Environment</i> , 2006 , 40, 7908-7923	5.3	20
130	Sensitive untargeted identification of short hydrophilic peptides by high performance liquid chromatography on porous graphitic carbon coupled to high resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2019 , 1590, 73-79	4.5	20
129	Identification of bioactive short peptides in cow milk by high-performance liquid chromatography on C18 and porous graphitic carbon coupled to high-resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 3395-3404	4.4	19
128	Extraction and analysis of fungal spore biomarkers in atmospheric bioaerosol by HPLC-MS-MS and GC-MS. <i>Talanta</i> , 2013 , 105, 142-51	6.2	19
127	Liposome protein corona characterization as a new approach in nanomedicine. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 4313-4326	4.4	19
126	Evidences of copper nanoparticle exposure in indoor environments: Long-term assessment, high-resolution field emission scanning electron microscopy evaluation, in silico respiratory dosimetry study and possible health implications. <i>Science of the Total Environment</i> , 2019 , 653, 1192-1203	10.2	19
125	Biomass burning contribution to PM concentration in Rome (Italy): Seasonal, daily and two-hourly variations. <i>Chemosphere</i> , 2019 , 222, 839-848	8.4	18
124	Improved characterisation of inorganic components in airborne particulate matter. <i>Environmental Chemistry Letters</i> , 2006 , 3, 186-191	13.3	18
123	Liquid membranes for chiral separations. Application of cinchonidine as a chiral carrier. <i>Journal of Separation Science</i> , 2002 , 25, 229-238	3.4	18
122	Elemental Concentration in Atmospheric Particulate Matter: Estimation of Nanoparticle Contribution. <i>Aerosol and Air Quality Research</i> , 2013 , 13, 1619-1629	4.6	18
121	Assessing the contribution of water to the mass closure of PM10. <i>Atmospheric Environment</i> , 2016 , 140, 555-564	5.3	17
120	Shotgun proteomic analysis of soybean embryonic axes during germination under salt stress. <i>Proteomics</i> , 2016 , 16, 1537-46	4.8	17
119	Influence of advanced wood-fired appliances for residential heating on indoor air quality. <i>Chemosphere</i> , 2018 , 211, 62-71	8.4	17
118	Graphitized Carbon Black Enrichment and UHPLC-MS/MS Allow to Meet the Challenge of Small Chain Peptidomics in Urine. <i>Analytical Chemistry</i> , 2019 , 91, 11474-11481	7.8	17
117	Airborne Aerosols and Human Health: Leapfrogging from Mass Concentration to Oxidative Potential. <i>Atmosphere</i> , 2020 , 11, 917	2.7	17
116	Improved identification of phytocannabinoids using a dedicated structure-based workflow. <i>Talanta</i> , 2020 , 219, 121310	6.2	16

115	Urinary reference ranges and exposure profile for lithium among an Italian paediatric population. <i>Science of the Total Environment</i> , 2018 , 619-620, 58-64	10.2	16
114	A combined chemical/size fractionation approach to study winter/summer variations, ageing and source strength of atmospheric particles. <i>Environmental Pollution</i> , 2019 , 253, 19-28	9.3	16
113	Monitoring and Evaluation of Terni (Central Italy) Air Quality through Spatially Resolved Analyses. <i>Atmosphere</i> , 2017 , 8, 200	2.7	16
112	Evaluation of column length and particle size effect on the untargeted profiling of a phytochemical mixture by using UHPLC coupled to high-resolution mass spectrometry. <i>Journal of Separation Science</i> , 2017 , 40, 2541-2557	3.4	15
111	Potential of PM-selected components to induce oxidative stress and root system alteration in a plant model organism. <i>Environment International</i> , 2019 , 132, 105094	12.9	15
110	Saliva as a source of new phosphopeptide biomarkers: Development of a comprehensive analytical method based on shotgun peptidomics. <i>Talanta</i> , 2018 , 183, 245-249	6.2	15
109	"2 Analytical Platform" To Update Procedures in Thanatochemistry: Estimation of Post Mortem Interval in Vitreous Humor. <i>Analytical Chemistry</i> , 2019 , 91, 7025-7031	7.8	14
108	Delving into the Polar Lipidome by Optimized Chromatographic Separation, High-Resolution Mass Spectrometry, and Comprehensive Identification with Lipostar: Microalgae as Case Study. <i>Analytical Chemistry</i> , 2018 , 90, 12230-12238	7.8	14
107	Simple and rapid method for the determination of mercury in human hair by cold vapour generation atomic fluorescence spectrometry. <i>Microchemical Journal</i> , 2019 , 150, 104186	4.8	13
106	Evidence of association between aerosol properties and in-vitro cellular oxidative response to PM1, oxidative potential of PM2.5, a biomarker of RNA oxidation, and its dependency on combustion sources. <i>Atmospheric Environment</i> , 2019 , 213, 444-455	5.3	13
105	Elemental concentration and migratability in bioplastics derived from organic waste. <i>Chemosphere</i> , 2020 , 259, 127472	8.4	13
104	Spatial distribution of levoglucosan and alternative biomass burning tracers in atmospheric aerosols, in an urban and industrial hot-spot of Central Italy. <i>Atmospheric Research</i> , 2020 , 239, 104904	5.4	13
103	Multiparametric approach for an exemplary study of laser printer emissions. <i>Journal of Environmental Monitoring</i> , 2012 , 14, 446-54		13
102	Determination of Sb(III), Sb(V) and identification of Sb-containing nanoparticles in airborne particulate matter. <i>Procedia Environmental Sciences</i> , 2011 , 4, 209-217		13
101	Evaluation tests and applications of a double-layer tube-type passive sampler. <i>Journal of Chromatography A</i> , 1990 , 522, 285-294	4.5	13
100	High resolution spatial mapping of element concentrations in PM10: A powerful tool for localization of emission sources. <i>Atmospheric Research</i> , 2020 , 244, 105060	5.4	13
99	Phospholipidome of extra virgin olive oil: Development of a solid phase extraction protocol followed by liquid chromatography-high resolution mass spectrometry for its software-assisted identification. <i>Food Chemistry</i> , 2020 , 310, 125860	8.5	13
98	Effectiveness of Different Sample Treatments for the Elemental Characterization of Bees and Beehive Products. <i>Molecules</i> , 2020 , 25,	4.8	13

97	Urban trees for biomonitoring atmospheric particulate matter: An integrated approach combining plant functional traits, magnetic and chemical properties. <i>Ecological Indicators</i> , 2021 , 126, 107707	5.8	13
96	Application of DPPH Assay for Assessment of Particulate Matter Reducing Properties. <i>Atmosphere</i> , 2019 , 10, 816	2.7	13
95	Evaluation of the Efficiency of <i>Arundo donax</i> L. Leaves as Biomonitors for Atmospheric Element Concentrations in an Urban and Industrial Area of Central Italy. <i>Atmosphere</i> , 2020 , 11, 226	2.7	12
94	Multi-elemental analysis of particulate matter samples collected by a particle-into-liquid sampler. <i>Atmospheric Pollution Research</i> , 2018 , 9, 747-754	4.5	12
93	Mycoestrogen determination in cow milk: Magnetic solid-phase extraction followed by liquid chromatography and tandem mass spectrometry analysis. <i>Journal of Separation Science</i> , 2016 , 39, 4794-4804	2.4	12
92	Extraction of polycyclic aromatic hydrocarbons from polyhydroxyalkanoates before gas chromatography/mass spectrometry analysis. <i>Talanta</i> , 2018 , 188, 671-675	6.2	12
91	Spatial mapping and size distribution of oxidative potential of particulate matter released by spatially disaggregated sources. <i>Environmental Pollution</i> , 2020 , 266, 115271	9.3	12
90	Recent applications of mass spectrometry for the characterization of cannabis and hemp phytocannabinoids: From targeted to untargeted analysis. <i>Journal of Chromatography A</i> , 2021 , 1655, 462492	4.5	12
89	A Triple Quadrupole and a Hybrid Quadrupole Orbitrap Mass Spectrometer in Comparison for Polyphenol Quantitation. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 4885-4896	5.7	11
88	Untargeted Characterization of Chestnut (Mill.) Shell Polyphenol Extract: A Valued Bioresource for Prostate Cancer Cell Growth Inhibition. <i>Molecules</i> , 2020 , 25,	4.8	11
87	In situ physical and chemical characterisation of the Eyjafjallajökull aerosol plume in the free troposphere over Italy. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 1075-1092	6.8	11
86	Identification and Antimicrobial Activity of Medium-Sized and Short Peptides from Yellowfin Tuna () Simulated Gastrointestinal Digestion. <i>Foods</i> , 2020 , 9,	4.9	11
85	A comprehensive analysis of liposomal biomolecular corona upon human plasma incubation: The evolution towards the lipid corona. <i>Talanta</i> , 2020 , 209, 120487	6.2	11
84	In-vivo assesment of the genotoxic and oxidative stress effects of particulate matter on <i>Echinogammarus veneris</i> . <i>Chemosphere</i> , 2017 , 173, 124-134	8.4	10
83	Chemical Composition of PM10 in 16 Urban, Industrial and Background Sites in Italy. <i>Atmosphere</i> , 2020 , 11, 479	2.7	10
82	Oxidative Potential Associated with Urban Aerosol Deposited into the Respiratory System and Relevant Elemental and Ionic Fraction Contributions. <i>Atmosphere</i> , 2020 , 11, 6	2.7	10
81	Complex formation equilibria of some beta-amino-alcohols with lead(II) and cadmium(II) in aqueous solution. <i>Talanta</i> , 1998 , 47, 1077-84	6.2	10
80	Absolute quantification of cardiac troponin T by means of liquid chromatography/triple quadrupole tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008 , 22, 1159-67	2.2	10

79	Liquid Chromatographic Strategies for Separation of Bioactive Compounds in Food Matrices. <i>Molecules</i> , 2018 , 23,	4.8	10
78	A multidimensional liquid chromatography-tandem mass spectrometry platform to improve protein identification in high-throughput shotgun proteomics. <i>Journal of Chromatography A</i> , 2017 , 1498, 176-182	4.5	9
77	A Novel Magnetic Molecular Imprinted Polymer for Selective Extraction of Zearalenone from Cereal Flours before Liquid Chromatography-Tandem Mass Spectrometry Determination. <i>Toxins</i> , 2019 , 11,	4.9	9
76	Label-Free Shotgun Proteomics Approach to Characterize Muscle Tissue from Farmed and Wild European Sea Bass (<i>Dicentrarchus labrax</i>). <i>Food Analytical Methods</i> , 2018 , 11, 292-301	3.4	9
75	Monitoring heavy metal pollution by aquatic plants: a systematic study of copper uptake. <i>Environmental Science and Pollution Research</i> , 2012 , 19, 3292-8	5.1	9
74	Chemical fractionation of elements in airborne particulate matter: primary results on PM10 and PM2.5 samples in the Lazio region (central Italy). <i>Annali Di Chimica</i> , 2006 , 96, 183-94		9
73	Performance Evaluation of a Very-low-volume Sampler for Atmospheric Particulate Matter. <i>Aerosol and Air Quality Research</i> , 2019 , 19, 2160-2172	4.6	9
72	Phytocannabinomics: Untargeted metabolomics as a tool for cannabis chemovar differentiation. <i>Talanta</i> , 2021 , 230, 122313	6.2	9
71	Enrichment procedure based on graphitized carbon black and liquid chromatography-high resolution mass spectrometry for elucidating sulfolipids composition of microalgae. <i>Talanta</i> , 2019 , 205, 120162	6.2	8
70	Ultrafine Particle Features Associated with Pro-Inflammatory and Oxidative Responses: Implications for Health Studies. <i>Atmosphere</i> , 2020 , 11, 414	2.7	7
69	Oxidative Potential of Selected PM Components. <i>Proceedings (mdpi)</i> , 2017 , 1, 108	0.3	7
68	New method for guanase activity measurement by high-performance liquid chromatography. <i>Biomedical Applications</i> , 1993 , 616, 25-30		7
67	Occupational Exposure Assessment of Major and Trace Elements in Human Scalp Hair Among a Group of Eritrean Workers. <i>Biological Trace Element Research</i> , 2020 , 197, 89-100	4.5	7
66	Andean Blueberry of the Genus <i>Disterigma</i> : A High-Resolution Mass Spectrometric Approach for the Comprehensive Characterization of Phenolic Compounds. <i>Separations</i> , 2021 , 8, 58	3.1	7
65	Comprehensive identification of native medium-sized and short bioactive peptides in sea bass muscle. <i>Food Chemistry</i> , 2021 , 343, 128443	8.5	7
64	Gaining knowledge on source contribution to aerosol optical absorption properties and organics by receptor modelling. <i>Atmospheric Environment</i> , 2020 , 243, 117873	5.3	6
63	Fungi and Arsenic: Tolerance and Bioaccumulation by Soil Saprotrophic Species. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3218	2.6	6
62	Simultaneous Preconcentration, Identification, and Quantitation of Selenoamino Acids in Oils by Enantioselective High Performance Liquid Chromatography and Mass Spectrometry. <i>Analytical Chemistry</i> , 2018 , 90, 8326-8330	7.8	6

61	Phase Evolution in Synthesis of Manganese Ferrite Nanoparticles. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 070922001308006-???	3.8	6
60	Determination of aspartate aminotransferase activity by high-performance liquid chromatography. <i>Biomedical Applications</i> , 1994 , 656, 191-5		6
59	Production and Characterization of Medium-Sized and Short Antioxidant Peptides from Soy Flour-Simulated Gastrointestinal Hydrolysate. <i>Antioxidants</i> , 2021 , 10,	7.1	6
58	Indoor air quality in a domestic environment: Combined contribution of indoor and outdoor PM sources. <i>Building and Environment</i> , 2021 , 202, 108050	6.5	6
57	Development of a Sample-Preparation Workflow for Sulfopeptide Enrichment: From Target Analysis to Challenges in Shotgun Sulfoproteomics. <i>Analytical Chemistry</i> , 2020 , 92, 7964-7971	7.8	5
56	Biomonitoring of Mercury in Hair among a Group of Eritreans (Africa). <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	5
55	Improved Time-Resolved Measurements of Inorganic Ions in Particulate Matter by PILS-IC Integrated with a Sample Pre-Concentration System. <i>Aerosol Science and Technology</i> , 2015 , 49, 521-530	3.4	5
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