

Cecilia Cagliero

List of Publications by Year in descending order

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73
papers

1,861
citations

218592

26
h-index

315616

38
g-index

76
all docs

76
docs citations

76
times ranked

2157
citing authors

#	ARTICLE	IF	CITATIONS
1	High-quality Italian rice cultivars: Chemical indices of ageing and aroma quality. <i>Food Chemistry</i> , 2015, 172, 305-313.	4.2	79
2	Quantitative analysis of volatiles from solid matrices of vegetable origin by high concentration capacity headspace techniques: Determination of furan in roasted coffee. <i>Journal of Chromatography A</i> , 2011, 1218, 753-762.	1.8	72
3	Black tea volatiles fingerprinting by comprehensive two-dimensional gas chromatography " Mass spectrometry combined with high concentration capacity sample preparation techniques: Toward a fully automated sensomic assessment. <i>Food Chemistry</i> , 2017, 225, 276-287.	4.2	65
4	Rapid and sensitive analysis of polychlorinated biphenyls and acrylamide in food samples using ionic liquid-based in situ dispersive liquid-liquid microextraction coupled to headspace gas chromatography. <i>Journal of Chromatography A</i> , 2017, 1481, 1-11.	1.8	63
5	Enantiomer identification in the flavour and fragrance fields by "interactive" combination of linear retention indices from enantioselective gas chromatography and mass spectrometry. <i>Journal of Chromatography A</i> , 2008, 1195, 117-126.	1.8	62
6	Fast headspace-enantioselective GC" mass spectrometric-multivariate statistical method for routine authentication of flavoured fruit foods. <i>Food Chemistry</i> , 2012, 132, 1071-1079.	4.2	56
7	Determination of acrylamide in brewed coffee and coffee powder using polymeric ionic liquid-based sorbent coatings in solid-phase microextraction coupled to gas chromatography" mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1449, 2-7.	1.8	55
8	Dual Catalytic Activity of Hydroxycinnamoyl-Coenzyme A Quinate Transferase from Tomato Allows It to Moonlight in the Synthesis of Both Mono- and Dicafeoylquinic Acids. <i>Plant Physiology</i> , 2014, 166, 1777-1787.	2.3	53
9	Herbs and spices: Characterization and quantitation of biologically-active markers for routine quality control by multiple headspace solid-phase microextraction combined with separative or non-separative analysis. <i>Journal of Chromatography A</i> , 2015, 1376, 9-17.	1.8	47
10	A Further Tool To Monitor the Coffee Roasting Process: Aroma Composition and Chemical Indices. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 11283-11291.	2.4	46
11	Conventional and narrow bore short capillary columns with cyclodextrin derivatives as chiral selectors to speed-up enantioselective gas chromatography and enantioselective gas chromatography" mass spectrometry analyses. <i>Journal of Chromatography A</i> , 2008, 1212, 114-123.	1.8	43
12	Room temperature ionic liquids: New GC stationary phases with a novel selectivity for flavor and fragrance analyses. <i>Journal of Chromatography A</i> , 2012, 1268, 130-138.	1.8	43
13	In vitro anti-Herpes simplex virus activity of crude extract of the roots of <i>Nauclea latifolia</i> Smith (Rubiaceae). <i>BMC Complementary and Alternative Medicine</i> , 2013, 13, 266.	3.7	41
14	Biopolymers in sorbent-based microextraction methods. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 125, 115839.	5.8	41
15	Development of fast enantioselective gas-chromatographic analysis using gas-chromatographic method-translation software in routine essential oil analysis (lavender essential oil). <i>Journal of Chromatography A</i> , 2010, 1217, 1530-1536.	1.8	40
16	Quantitative fingerprinting by headspace" Two-dimensional comprehensive gas chromatography" mass spectrometry of solid matrices: Some challenging aspects of the exhaustive assessment of food volatiles. <i>Analytica Chimica Acta</i> , 2013, 798, 115-125.	2.6	40
17	Genome-Wide Identification of BAHD Acyltransferases and In vivo Characterization of HQT-like Enzymes Involved in Caffeoylquinic Acid Synthesis in Globe Artichoke. <i>Frontiers in Plant Science</i> , 2016, 7, 1424.	1.7	39
18	New medium-to-high polarity twister coatings for liquid and vapour phase sorptive extraction of matrices of vegetable origin. <i>Journal of Chromatography A</i> , 2012, 1265, 39-45.	1.8	36

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19	Strategies for Accurate Quantitation of Volatiles from Foods and Plant-Origin Materials: A Challenging Task. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 1619-1630.	2.4	34
20	Matrix-compatible sorbent coatings based on structurally-tuned polymeric ionic liquids for the determination of acrylamide in brewed coffee and coffee powder using solid-phase microextraction. <i>Journal of Chromatography A</i> , 2016, 1459, 17-23.	1.8	32
21	New asymmetrical per-substituted cyclodextrins (2-O-methyl-3-O-ethyl- and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 Td (2- chromatography in the flavour and fragrance field. <i>Journal of Chromatography A</i> , 2010, 1217, 1106-1113.	1.8	30
22	Parallel dual secondary column-dual detection: A further way of enhancing the informative potential of two-dimensional comprehensive gas chromatography. <i>Journal of Chromatography A</i> , 2014, 1360, 264-274.	1.8	30
23	High concentration capacity sample preparation techniques to improve the informative potential of two-dimensional comprehensive gas chromatographyâ€“mass spectrometry: Application to sensomics. <i>Journal of Chromatography A</i> , 2013, 1318, 1-11.	1.8	29
24	Parallel dual secondaryâ€“columnâ€“dual detection comprehensive twoâ€“dimensional gas chromatography: a flexible and reliable analytical tool for essential oils quantitative profiling. <i>Flavour and Fragrance Journal</i> , 2015, 30, 366-380.	1.2	29
25	Analysis of essential oils and fragrances with a new generation of highly inert gas chromatographic columns coated with ionic liquids. <i>Journal of Chromatography A</i> , 2017, 1495, 64-75.	1.8	29
26	In vitro evaluation of the antiviral properties of Shilajit and investigation of its mechanisms of action. <i>Journal of Ethnopharmacology</i> , 2015, 166, 129-134.	2.0	28
27	Punica granatum Leaf Ethanollic Extract and Ellagic Acid as Inhibitors of Zika Virus Infection. <i>Planta Medica</i> , 2020, 86, 1363-1374.	0.7	28
28	Conventional and enantioselective gas chromatography with microfabricated planar columns for analysis of real-world samples of plant volatile fraction. <i>Journal of Chromatography A</i> , 2016, 1429, 329-339.	1.8	27
29	Identification of a new R3 MYB type repressor and functional characterization of the members of the MBW transcriptional complex involved in anthocyanin biosynthesis in eggplant (<i>S. melongena</i> L.). <i>PLoS ONE</i> , 2020, 15, e0232986.	1.1	27
30	Antiviral Activity of a Arisaema Tortuosum Leaf Extract and Some of its Constituents against Herpes Simplex Virus Type 2. <i>Planta Medica</i> , 2020, 86, 267-275.	0.7	27
31	Enantioselective Gas Chromatography with Derivatized Cyclodextrins in the Flavour and Fragrance Field. <i>Israel Journal of Chemistry</i> , 2016, 56, 925-939.	1.0	26
32	The hydro-alcoholic extracts of Sardinian wild thistles (<i>Onopordum</i> spp.) inhibit TNF α -induced IL-8 secretion and NF- κ B pathway in human gastric epithelial AGS cells. <i>Journal of Ethnopharmacology</i> , 2018, 210, 469-476.	2.0	26
33	Populus nigra L. bud absolute: a case study for a strategy of analysis of natural complex substances. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 1223-1235.	1.9	25
34	Development of an innovative and sustainable one-step method for rapid plant DNA isolation for targeted PCR using magnetic ionic liquids. <i>Plant Methods</i> , 2019, 15, 23.	1.9	25
35	Ionic liquids as stationary phases for gas chromatographyâ€“Unusual selectivity of ionic liquids with a phosphonium cation and different anions in the flavor, fragrance and essential oil analyses. <i>Journal of Chromatography A</i> , 2019, 1583, 124-135.	1.8	25
36	New trends in the analysis of the volatile fraction of matrices of vegetable origin: a short overview. A review.. <i>Flavour and Fragrance Journal</i> , 2011, 26, n/a-n/a.	1.2	24

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37	Direct Contact “ Sorptive Tape Extraction coupled with Gas Chromatography “ Mass Spectrometry to reveal volatile topographical dynamics of lima bean (<i>Phaseolus lunatus</i> L.) upon herbivory by <i>Spodoptera littoralis</i> Boisid.. <i>BMC Plant Biology</i> , 2015, 15, 102.	1.6	24
38	Ionic liquids as water-compatible GC stationary phases for the analysis of fragrances and essential oils. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 4657-4668.	1.9	24
39	In vitro anti-herpes simplex virus-2 activity of <i>Salvia desoleana</i> Atzei & V. Picci essential oil. <i>PLoS ONE</i> , 2017, 12, e0172322.	1.1	24
40	Characterization of four wild edible <i>Carduus</i> species from the Mediterranean region via phytochemical and biomolecular analyses. <i>Food Research International</i> , 2017, 100, 822-831.	2.9	20
41	New phases for analytical scale extraction from plants: Current and future trends. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 141, 116288.	5.8	19
42	Adulteration of Essential Oils: A Multitask Issue for Quality Control. Three Case Studies: <i>Lavandula angustifolia</i> Mill., <i>Citrus limon</i> (L.) Osbeck and <i>Melaleuca alternifolia</i> (Maiden & Betche) Cheel. <i>Molecules</i> , 2021, 26, 5610.	1.7	19
43	Bio-Guided Fractionation Driven by In Vitro α -Amylase Inhibition Assays of Essential Oils Bearing Specialized Metabolites with Potential Hypoglycemic Activity. <i>Plants</i> , 2020, 9, 1242.	1.6	18
44	Determination of free and glucosidically-bound volatiles in plants. Two case studies: L-menthol in peppermint (<i>Mentha x piperita</i> L.) and eugenol in clove (<i>Syzygium aromaticum</i> (L.) Merr. & Tj ETQq0 0 0 rgBT1/0verlock170 Tf 50 4	1.6	17
45	Ionic liquids as gas chromatographic stationary phases: how can they change food and natural product analyses?. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 17-25.	1.9	17
46	Citral-Containing Essential Oils as Potential Tyrosinase Inhibitors: A Bio-Guided Fractionation Approach. <i>Plants</i> , 2021, 10, 969.	1.6	16
47	The (+)-cis- and (+)-trans-Olibanic Acids: Key Odorants of Frankincense. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13719-13723.	7.2	15
48	Analytical strategies for in-vivo evaluation of plant volatile emissions - A review. <i>Analytica Chimica Acta</i> , 2021, 1147, 240-258.	2.6	15
49	Grapevine Green Pruning Residues as a Promising and Sustainable Source of Bioactive Phenolic Compounds. <i>Molecules</i> , 2020, 25, 464.	1.7	15
50	Evaluation of volatile bioactive secondary metabolites transfer from medicinal and aromatic plants to herbal teas: Comparison of different methods for the determination of transfer rate and human intake. <i>Journal of Chromatography A</i> , 2019, 1594, 173-180.	1.8	14
51	Can the selectivity of phosphonium based ionic liquids be exploited as stationary phase for routine gas chromatography? A case study: The use of trihexyl(tetradecyl) phosphonium chloride in the flavor, fragrance and natural product fields. <i>Journal of Chromatography A</i> , 2020, 1619, 460969.	1.8	13
52	<i>Melaleuca alternifolia</i> Essential Oil: Evaluation of Skin Permeation and Distribution from Topical Formulations with a Solvent-Free Analytical Method. <i>Planta Medica</i> , 2020, 86, 442-450.	0.7	13
53	Exploiting the versatility of vacuum-assisted headspace solid-phase microextraction in combination with the selectivity of ionic liquid-based GC stationary phases to discriminate <i>Boswellia</i> spp. resins through their volatile and semivolatile fractions. <i>Journal of Separation Science</i> , 2020, 43, 1879-1889.	1.3	13
54	Gas chromatography of essential oil: State-of-the-art, recent advances, and perspectives. <i>Journal of Separation Science</i> , 2022, 45, 94-112.	1.3	13

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55	Intra-specific variation in the little-known Mediterranean plant <i>Ptilostemon casabonae</i> (L.) Greuter analysed through phytochemical and biomolecular markers. <i>Phytochemistry</i> , 2019, 161, 21-27.	1.4	12
56	Fractionated dynamic headspace sampling in the analysis of matrices of vegetable origin in the food field. <i>Journal of Chromatography A</i> , 2017, 1489, 18-28.	1.8	11
57	<i>In vitro</i> release and permeation kinetics of <i>Melaleuca alternifolia</i> (tea tree) essential oil bioactive compounds from topical formulations. <i>Flavour and Fragrance Journal</i> , 2017, 32, 354-361.	1.2	11
58	Ionic liquids as water-compatible GC stationary phases for the analysis of fragrances and essential oils: Quantitative GC-MS analysis of officially-regulated allergens in perfumes. <i>Journal of Chromatography A</i> , 2020, 1610, 460567.	1.8	11
59	<i>Arabidopsis thaliana</i> ITS sequence-specific DNA extraction by ion-tagged oligonucleotides coupled with a magnetic ionic liquid. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 6583-6590.	1.9	10
60	Sustainable Micro-Scale Extraction of Bioactive Phenolic Compounds from <i>Vitis vinifera</i> Leaves with Ionic Liquid-Based Surfactants. <i>Molecules</i> , 2020, 25, 3072.	1.7	10
61	Simple and efficient isolation of plant genomic DNA using magnetic ionic liquids. <i>Plant Methods</i> , 2022, 18, 37.	1.9	10
62	Characterization and Biological Activity of Fiber-Type <i>Cannabis sativa</i> L. Aerial Parts at Different Growth Stages. <i>Plants</i> , 2022, 11, 419.	1.6	9
63	Volatile Composition and Enantioselective Analysis of Chiral Terpenoids of Nine Fruit and Vegetable Fibres Resulting from Juice Industry By-Products. <i>Journal of Chemistry</i> , 2017, 2017, 1-11.	0.9	8
64	Cyclodextrin Derivatives as Stationary Phases for the GC Separation of Enantiomers in the Flavor and Fragrance Field. <i>ACS Symposium Series</i> , 2015, , 15-34.	0.5	6
65	A sustainable approach for the reliable and simultaneous determination of terpenoids and cannabinoids in hemp inflorescences by vacuum assisted headspace solid-phase microextraction. <i>Advances in Sample Preparation</i> , 2022, 2, 100014.	1.1	6
66	General retention parameters of chiral analytes in cyclodextrin gas chromatographic columns. <i>Journal of Chromatography A</i> , 2014, 1340, 121-127.	1.8	4
67	The (+)- <i>cis</i> - and (+)- <i>trans</i> -Olibanic Acids: Key Odorants of Frankincense. <i>Angewandte Chemie</i> , 2016, 128, 13923-13927.	1.6	4
68	Separation of stereoisomers by gas chromatography. , 2021, , 581-614.		4
69	Enantioselective Gas Chromatography with Cyclodextrin in Odorant Analysis. , 2017, , 51-52.		3
70	<i>Corylus avellana</i> L. Natural Signature: Chiral Recognition of Selected Informative Components in the Volatilome of High-Quality Hazelnuts. <i>Frontiers in Plant Science</i> , 2022, 13, 844711.	1.7	3
71	Evaluation of the Farming Potential of <i>Echinacea angustifolia</i> DC. Accessions Grown in Italy by Root-Marker Compound Content and Morphological Trait Analyses. <i>Plants</i> , 2020, 9, 873.	1.6	1
72	Gas Chromatography in the Analysis of Flavours and Fragrances. , 2014, , 717-743.		1

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73	Immobilization of phosphonium-based ionic liquid stationary phases extends their operative range to routine applications in the flavor, fragrance and natural product fields. <i>Journal of Chromatography A</i> , 2022, 1664, 462796.	1.8	1