

Paola Montoro

List of Publications by Year in descending order

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87
papers

3,185
citations

172386

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88
docs citations

88
times ranked

4781
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical analysis and quality control of Ginkgo biloba leaves, extracts, and phytopharmaceuticals. Journal of Chromatography A, 2009, 1216, 2002-2032.	1.8	473
2	Structure-antioxidant activity relationships of flavonoids isolated from different plant species. Food Chemistry, 2005, 92, 349-355.	4.2	160
3	Metabolic profiling of roots of liquorice (Glycyrrhiza glabra) from different geographical areas by ESI/MS/MS and determination of major metabolites by LC-ESI/MS and LC-ESI/MS/MS. Journal of Pharmaceutical and Biomedical Analysis, 2011, 54, 535-544.	1.4	142
4	Stability and antioxidant activity of polyphenols in extracts of Myrtus communis L. berries used for the preparation of myrtle liqueur. Journal of Pharmaceutical and Biomedical Analysis, 2006, 41, 1614-1619.	1.4	109
5	YuccaschidigeraBark: Phenolic Constituents and Antioxidant Activity. Journal of Natural Products, 2004, 67, 882-885.	1.5	86
6	Screening of the topical anti-inflammatory activity of the bark of Acacia cornigera Willdenow, Byrsonima crassifolia Kunth, Sweetia panamensis Yakovlev and the leaves of Sphagneticola trilobata Hitchcock. Journal of Ethnopharmacology, 2009, 122, 430-433.	2.0	73
7	Characterisation by liquid chromatography-electrospray tandem mass spectrometry of anthocyanins in extracts of Myrtus communis L. berries used for the preparation of myrtle liqueur. Journal of Chromatography A, 2006, 1112, 232-240.	1.8	72
8	Phytochemical composition of Potentilla anserina L. analyzed by an integrative GC-MS and LC-MS metabolomics platform. Metabolomics, 2013, 9, 599-607.	1.4	70
9	Moringa oleifera: study of phenolics and glucosinolates by mass spectrometry. Journal of Mass Spectrometry, 2014, 49, 900-910.	0.7	68
10	Antioxidant activity, cytotoxic activity and metabolic profiling of juices obtained from saffron (Crocus sativus L.) floral by-products. Food Chemistry, 2016, 199, 18-27.	4.2	64
11	Identification by HPLC-PAD-MS and quantification by HPLC-PAD of phenylethanoid glycosides of five Phlomis species. Phytochemical Analysis, 2005, 16, 1-6.	1.2	62
12	Gloriosols A and B, two novel phenolics from Yucca gloriosa: structural characterization and configurational assignment by a combined NMR-quantum mechanical strategy. Tetrahedron, 2007, 63, 148-154.	1.0	55
13	Radical Scavenging Activity and LC-MS Metabolic Profiling of Petals, Stamens, and Flowers of Crocus sativus L.. Journal of Food Science, 2012, 77, C893-900.	1.5	54
14	Metabolic fingerprinting using direct flow injection electrospray ionization tandem mass spectrometry for the characterization of proanthocyanidins from the barks of Hancornia speciosa. Rapid Communications in Mass Spectrometry, 2007, 21, 1907-1914.	0.7	51
15	Relative effects of phenolic constituents from Yucca schidigera Roetzl. bark on Kaposi's sarcoma cell proliferation, migration, and PAF synthesis. Biochemical Pharmacology, 2006, 71, 1479-1487.	2.0	49
16	Flavonoid characterization and antioxidant activity of hydroalcoholic extracts from Achillea ligustica All.. Journal of Pharmaceutical and Biomedical Analysis, 2009, 50, 440-448.	1.4	48
17	Strong antioxidant phenolics from Acacia nilotica: Profiling by ESI-MS and qualitative-quantitative determination by LC-ESI-MS. Journal of Pharmaceutical and Biomedical Analysis, 2011, 56, 228-239.	1.4	47
18	Catechin derivatives in Jatropha macrantha stems: Characterisation and LC/ESI/MS/MS qualitative-quantitative analysis. Journal of Pharmaceutical and Biomedical Analysis, 2006, 40, 639-647.	1.4	45

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19	Determination of six steviol glycosides of <i>Stevia rebaudiana</i> (Bertoni) from different geographical origin by LC-ESI-MS/MS. <i>Food Chemistry</i> , 2013, 141, 745-753.	4.2	41
20	Metabolite fingerprinting of <i>Camptotheca acuminata</i> and the HPLC-ESI-MS/MS analysis of camptothecin and related alkaloids. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 51, 405-415.	1.4	39
21	Identification and quantification of components in extracts of <i>Uncaria tomentosa</i> by HPLC-ES/MS. <i>Phytochemical Analysis</i> , 2004, 15, 55-64.	1.2	37
22	Liquid chromatography tandem mass spectrometry determination of chemical markers and principal component analysis of <i>Vitex agnus-castus</i> L. fruits (Verbenaceae) and derived food supplements. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 70, 224-230.	1.4	37
23	LC-ESI-MS quali-quantitative determination of phenolic constituents in different parts of wild and cultivated <i>Astragalus gombiformis</i> . <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 72, 89-98.	1.4	37
24	Metabolic profiling of <i>Vitex agnus castus</i> leaves, fruits and sprouts: Analysis by LC/ESI/(QqQ)MS and (HR) LC/ESI/(Orbitrap)/MSn. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 102, 215-221.	1.4	37
25	Characterization, phenolic profile, nitrogen compounds and antioxidant activity of Carignano wines. <i>Journal of Food Composition and Analysis</i> , 2017, 58, 60-68.	1.9	35
26	Combination of LC-MS based metabolomics and antioxidant activity for evaluation of bioactive compounds in <i>Fragaria vesca</i> leaves from Italy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 150, 233-240.	1.4	35
27	Metabolite profiling of green-extracts of <i>Corylus avellana</i> leaves by ¹ H NMR spectroscopy and multivariate statistical analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 160, 168-178.	1.4	34
28	Analysis of flavonoids from <i>Cyclanthera pedata</i> fruits by liquid chromatography/electrospray mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 34, 295-304.	1.4	33
29	Steviol glycosides targeted analysis in leaves of <i>Stevia rebaudiana</i> (Bertoni) from plants cultivated under chilling stress conditions. <i>Food Chemistry</i> , 2016, 190, 572-580.	4.2	33
30	Effect of Very-Low-Calorie Ketogenic Diet on Psoriasis Patients: A Nuclear Magnetic Resonance-Based Metabolomic Study. <i>Journal of Proteome Research</i> , 2021, 20, 1509-1521.	1.8	33
31	Application of liquid chromatography/electrospray ionization tandem mass spectrometry to the analysis of polyphenolic compounds from an infusion of <i>Byrsonima crassa</i> Niedenzu. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 2244-2250.	0.7	31
32	Quali-quantitative determination of triterpenic acids of <i>Ziziphus jujuba</i> fruits and evaluation of their capability to interfere in macrophages activation inhibiting NO release and iNOS expression. <i>Food Research International</i> , 2015, 77, 109-117.	2.9	31
33	Biological Activities of Aerial Parts Extracts of <i>Euphorbia characias</i> . <i>BioMed Research International</i> , 2016, 2016, 1-11.	0.9	30
34	Identification of Bioactive Phytochemicals in Mulberries. <i>Metabolites</i> , 2020, 10, 7.	1.3	30
35	Furostanol saponins from <i>Yucca gloriosa</i> L. rhizomes. <i>Biochemical Systematics and Ecology</i> , 2006, 34, 809-814.	0.6	29
36	Plant Specialized Metabolites in Hazelnut (<i>Corylus avellana</i>) Kernel and Byproducts: An Update on Chemistry, Biological Activity, and Analytical Aspects. <i>Planta Medica</i> , 2019, 85, 840-855.	0.7	29

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37	Comparative Phytochemical Characterization, Genetic Profile, and Antiproliferative Activity of Polyphenol-Rich Extracts from Pigmented Tubers of Different <i>Solanum tuberosum</i> Varieties. <i>Molecules</i> , 2020, 25, 233.	1.7	29
38	Flavonoids and isoflavonoids from <i>Gynerium sagittatum</i> . <i>Phytochemistry</i> , 2007, 68, 1277-1284.	1.4	28
39	Phenolic compounds from <i>Bursera simaruba</i> Sarg. bark: Phytochemical investigation and quantitative analysis by tandem mass spectrometry. <i>Phytochemistry</i> , 2009, 70, 641-649.	1.4	28
40	A new approach to discriminate <i>Rosmarinus officinalis</i> L. plants with antioxidant activity, based on HPTLC fingerprint and targeted phenolic analysis combined with PCA. <i>Industrial Crops and Products</i> , 2016, 94, 665-672.	2.5	28
41	<i>Yucca gloriosa</i> : A Source of Phenolic Derivatives with Strong Antioxidant Activity. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 6636-6642.	2.4	27
42	Phenolic compounds from <i>Byrsonima crassifolia</i> L. bark: Phytochemical investigation and quantitative analysis by LC-ESI MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 56, 1-6.	1.4	26
43	Targeted and untargeted mass spectrometric approaches in discrimination between <i>Myrtus communis</i> cultivars from Sardinia region. <i>Journal of Mass Spectrometry</i> , 2016, 51, 704-715.	0.7	25
44	Studies on the Constituents of <i>Cyclanthera pedata</i> Fruits: Isolation and Structure Elucidation of New Flavonoid Glycosides and Their Antioxidant Activity. <i>Journal of Agricultural and Food Chemistry</i> , 2001, 49, 5156-5160.	2.4	24
45	Medicinal plants in the treatment of women's disorders: Analytical strategies to assure quality, safety and efficacy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 113, 189-211.	1.4	24
46	In depth chemical investigation of <i>Glycyrrhiza triphylla</i> Fisch roots guided by a preliminary HPLC-ESIMS n profiling. <i>Food Chemistry</i> , 2018, 248, 128-136.	4.2	23
47	Phenylpropanoid Glycosides from <i>Tynanthus panurensis</i> : Characterization and LC-MS Quantitative Analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 2853-2858.	2.4	22
48	High performance liquid chromatographic separation and identification of polyphenolic compounds from the infusion of <i>Davilla elliptica</i> St. Hill. <i>Phytochemical Analysis</i> , 2008, 19, 17-24.	1.2	22
49	Steroidal saponins from <i>Yucca gloriosa</i> L. rhizomes: LC-MS profiling, isolation and quantitative determination. <i>Phytochemistry</i> , 2011, 72, 126-135.	1.4	21
50	Characterisation of <i>Fragaria vesca</i> fruit from Italy following a metabolomics approach through integrated mass spectrometry techniques. <i>LWT - Food Science and Technology</i> , 2016, 74, 387-395.	2.5	21
51	LC-MS based metabolomics study of different parts of myrtle berry from Sardinia (Italy). <i>Journal of Berry Research</i> , 2017, 7, 217-229.	0.7	21
52	In depth LC-ESIMS n-guided phytochemical analysis of <i>Ziziphus jujuba</i> Mill. leaves. <i>Phytochemistry</i> , 2019, 159, 148-158.	1.4	21
53	Determination of steroidal glycosides in <i>Yucca gloriosa</i> flowers by LC/MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 52, 791-795.	1.4	20
54	Integrated mass spectrometric and multivariate data analysis approaches for the discrimination of organic and conventional strawberry (<i>Fragaria ananassa</i> Duch.) crops. <i>Food Research International</i> , 2015, 77, 264-272.	2.9	20

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55	Evaluation of bioactive compounds and antioxidant capacity of edible feijoa (<i>Acca sellowiana</i> (O. Berg)) Tj ETQq1 1.0,784314 rgBT /Overlock	1.4	20
56	Antiproliferative and pro-apoptotic activity of novel phenolic derivatives of resveratrol. <i>Life Sciences</i> , 2007, 81, 873-883.	2.0	19
57	Determination of phenolic compounds in <i>Yucca gloriosa</i> bark and root by LC-MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 47, 854-859.	1.4	18
58	Detection and comparison of phenolic compounds in different extracts of black currant leaves by liquid chromatography coupled with high-resolution ESI-LTQ-Orbitrap MS and high-sensitivity ESI-Qtrap MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 179, 112926.	1.4	18
59	Licorice (<i>Glycyrrhiza glabra</i> , <i>G. uralensis</i> , and <i>G. inflata</i>) and Their Constituents as Active Cosmeceutical Ingredients. <i>Cosmetics</i> , 2022, 9, 7.	1.5	18
60	Liquid chromatography/tandem mass spectrometry of unusual phenols from <i>Yucca schidigera</i> bark: comparison with other analytical techniques. <i>Journal of Mass Spectrometry</i> , 2004, 39, 1131-1138.	0.7	17
61	Metabolomics and antioxidant activity of the leaves of <i>Prunus dulcis</i> Mill. (Italian cvs. Toritto and) Tj ETQq1 1 0.784314 rgBT /Overlock	1.4	17
62	LC-ESI/LTQOrbitrap/MS based metabolomics in analysis of <i>Myrtus communis</i> leaves from Sardinia (Italy). <i>Industrial Crops and Products</i> , 2019, 128, 354-362.	2.5	17
63	Saliva of patients affected by salivary gland tumour: An NMR metabolomics analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 160, 436-442.	1.4	16
64	HPTLC-PCA Complementary to HRMS-PCA in the Case Study of <i>Arbutus unedo</i> Antioxidant Phenolic Profiling. <i>Foods</i> , 2019, 8, 294.	1.9	16
65	Profiling and Simultaneous Quantitative Determination of Anthocyanins in Wild <i>Myrtus communis</i> L. Berries from Different Geographical Areas in Sardinia and their Comparative Evaluation. <i>Phytochemical Analysis</i> , 2016, 27, 249-256.	1.2	15
66	Selected Enzyme Inhibitory Effects of <i>Euphorbia characias</i> Extracts. <i>BioMed Research International</i> , 2018, 2018, 1-9.	0.9	15
67	Biogenic amines and other polar compounds in long aged oxidized Vernaccia di Oristano white wines. <i>Food Research International</i> , 2018, 111, 97-103.	2.9	15
68	Galactosyl Derivatives of L-Arginine and d-Arginine: Synthesis, Stability, Cell Permeation, and Nitric Oxide Production in Pituitary GH3 Cells. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 4826-4833.	2.9	14
69	Integrated mass spectrometry approach to profile proanthocyanidins occurring in food supplements: Analysis of <i>Potentilla erecta</i> L. rhizomes. <i>Food Chemistry</i> , 2013, 141, 4171-4178.	4.2	14
70	First characterization of <i>Pompha intrea</i> candied fruit: The headspace chemical profile, polar extract composition and its biological activities. <i>Food Research International</i> , 2019, 120, 620-630.	2.9	14
71	Antioxidant Bibenzyl Derivatives from <i>Notholaena nivea</i> Desv.. <i>Molecules</i> , 2011, 16, 2527-2541.	1.7	13
72	HR-ESI-Orbitrap-MS based metabolite profiling of <i>Prunus dulcis</i> Mill. (Italian cultivars Toritto and) Tj ETQq0,0 0 rgBT /Overlock	1.2	13

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73	Metabolite profiling and antioxidant activity of the polar fraction of Italian almonds (Toritto and) Tj ETQq1 1 0.784314 rgBT /Overlock Analysis, 2020, 190, 113518.	1.4	13
74	HR-LC-ESI-Orbitrap-MS-Based Metabolic Profiling Coupled with Chemometrics for the Discrimination of Different <i>Echinops spinosus</i> Organs and Evaluation of Their Antioxidant Activity. <i>Antioxidants</i> , 2022, 11, 453.	2.2	13
75	Flavonoids from the leaves of <i>Cyclanthera pedata</i> : two new malonyl derivatives. <i>Phytochemical Analysis</i> , 2005, 16, 210-216.	1.2	12
76	Qualitative Profile and Quantitative Determination of Flavonoids from <i>Crocus Sativus</i> L. Petals by LC-MS/MS. <i>Natural Product Communications</i> , 2008, 3, 1934578X0800301.	0.2	11
77	Flavanocoumarins from <i>Guazuma ulmifolia</i> bark and evaluation of their affinity for STAT1. <i>Phytochemistry</i> , 2013, 86, 64-71.	1.4	11
78	LC-ESI/LTQOrbitrap/MS Metabolomic Analysis of Fennel Waste (<i>Foeniculum vulgare</i> Mill.) as a Byproduct Rich in Bioactive Compounds. <i>Foods</i> , 2021, 10, 1893.	1.9	11
79	Antinociceptive effects of an extract, fraction and an isolated compound of the stem bark of <i>Maytenus rigida</i> . <i>Revista Brasileira De Farmacognosia</i> , 2012, 22, 598-603.	0.6	9
80	A serum nuclear magnetic resonance-based metabolomic signature of antiphospholipid syndrome. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 133, 90-95.	1.4	9
81	Metabolomics of Healthy Berry Fruits. <i>Current Medicinal Chemistry</i> , 2019, 25, 4888-4902.	1.2	8
82	ESI-MS, ESI-MS/MS Fingerprint and LC-ESI-MS Analysis of Proanthocyanidins from <i>Bursera simaruba</i> Sarg Bark. <i>Natural Product Communications</i> , 2009, 4, 1934578X0900401.	0.2	7
83	Effects of bio-fertilizers on the production of specialized metabolites in <i>Salvia officinalis</i> L. leaves: An analytical approach based on LC-ESI/LTQ-Orbitrap/MS and multivariate data analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 197, 113951.	1.4	7
84	NMR-based metabolomic profile of hypercholesterolemic human sera: Relationship with in vitro gene expression?. <i>PLoS ONE</i> , 2020, 15, e0231506.	1.1	6
85	LC-ESI/LTQ-Orbitrap-MS Based Metabolomics in Evaluation of Bitter Taste of <i>Arbutus unedo</i> Honey. <i>Molecules</i> , 2021, 26, 2765.	1.7	6
86	Profiling of Phenolics from <i>Tephrosia cinerea</i> . <i>Planta Medica</i> , 2011, 77, 1861-1864.	0.7	3
87	Quantitative Analysis of Caffeoylquinic Acids and Styrylpyrones in <i>Sweetia panamensis</i> Bark by UPLC. <i>Chromatographia</i> , 2009, 70, 1621-1626.	0.7	1