Paola Montoro

List of Publications by Citations

85 papers	2,440 citations	27 h-index	45 g-index
88 ext. papers	2,829 ext. citations	4.2 avg, IF	5 L-index

#	Paper	IF	Citations
85	Chemical analysis and quality control of Ginkgo biloba leaves, extracts, and phytopharmaceuticals. *Journal of Chromatography A*, **2009**, 1216, 2002-32	4.5	379
84	Structure?antioxidant activity relationships of flavonoids isolated from different plant species. *Food Chemistry*, **2005**, 92, 349-355	8.5	134
83	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, 535-44	3.5	119
82	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, 1614-9	3.5	97
81	Yucca schidigera bark: phenolic constituents and antioxidant activity. *Journal of Natural Products*, **2004**, 67, 882-5	4.9	77
80	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, 232-40	4.5	67
79	℞Moringa oleifera: study of phenolics and glucosinolates by mass spectrometry℞ *Journal of Mass Spectrometry*, **2014**, 49, 900-10	2.2	56
78	Phytochemical composition of L. analyzed by an integrative GC-MS and LC-MS metabolomics platform. *Metabolomics*, **2013**, 9, 599-607	4.7	55
77	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, 430-3	5	53
76	Identification by HPLC-PAD-MS and quantification by HPLC-PAD of phenylethanoid glycosides of five Phlomis species. *Phytochemical Analysis*, **2005**, 16, 1-6	3.4	50
75	Gloriosaols 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	2.4	49
74	Antioxidant activity, cytotoxic activity and metabolic profiling of juices obtained from saffron (Crocus sativus L.) floral by-products. *Food Chemistry*, **2016**, 199, 18-27	8.5	46
73	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, 1907-14	2.2	45
72	Relative effects of phenolic constituents from Yucca schidigera Roezl. bark on Kaposi℞s sarcoma cell proliferation, migration, and PAF synthesis. *Biochemical Pharmacology*, **2006**, 71, 1479-87	6	42
71	Flavonoid characterization and antioxidant activity of hydroalcoholic extracts from Achillea ligustica All. *Journal of Pharmaceutical and Biomedical Analysis*, **2009**, 50, 440-8	3.5	41
70	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	3.4	40
69	Catechin derivatives in Jatropha macrantha stems: characterisation and LC/ESI/MS/MS quali-quantitative analysis. *Journal of Pharmaceutical and Biomedical Analysis*, **2006**, 40, 639-47	3.5	38

68	Liquid chromatography tandem mass spectrometry determination of chemical markers and principal component analysis of Vitex agnus-castus L. fruits (Verbenaceae) and derived food supplements. *Journal of Pharmaceutical and Biomedical Analysis*, **2012**, 70, 224-30	3.5	33
67	Metabolite fingerprinting of Camptotheca acuminata and the HPLC-ESI-MS/MS analysis of camptothecin and related alkaloids. *Journal of Pharmaceutical and Biomedical Analysis*, **2010**, 51, 405-15	3.5	32
66	Identification and quantification of components in extracts of Uncaria tomentosa by HPLC-ES/MS. *Phytochemical Analysis*, **2004**, 15, 55-64	3.4	32
65	Metabolic profiling of Vitex agnus castus leaves, fruits and sprouts: analysis by LC/ESI/(QqQ)MS and (HR) LC/ESI/(Orbitrap)/MS n. *Journal of Pharmaceutical and Biomedical Analysis*, **2015**, 102, 215-21	3.5	31
64	LC-ESI-MS quali-quantitative determination of phenolic constituents in different parts of wild and cultivated Astragalus gombiformis. *Journal of Pharmaceutical and Biomedical Analysis*, **2013**, 72, 89-98	3.5	30
63	Determination of six steviol glycosides of Stevia rebaudiana (Bertoni) from different geographical origin by LC-ESI-MS/MS. *Food Chemistry*, **2013**, 141, 745-53	8.5	30
62	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, 228-39	3.5	28
61	Furostanol saponins from Yucca gloriosa L. rhizomes. *Biochemical Systematics and Ecology*, **2006**, 34, 809-814	1.4	28
60	Characterization, phenolic profile, nitrogen compounds and antioxidant activity of Carignano wines. *Journal of Food Composition and Analysis*, **2017**, 58, 60-68	4.1	27
59	Quali-quantitative determination of triterpenic acids of Ziziphus jujuba fruits and evaluation of their capability to interfere in macrophages activation inhibiting NO release and iNOS expression. *Food Research International*, **2015**, 77, 109-117	7	27
58	Combination of LC-MS based metabolomics and antioxidant activity for evaluation of bioactive compounds in Fragaria vesca leaves from Italy. *Journal of Pharmaceutical and Biomedical Analysis*, **2018**, 150, 233-240	3.5	25
57	Flavonoids and isoflavonoids from Gynerium sagittatum. *Phytochemistry*, **2007**, 68, 1277-84	4	24
56	Analysis of flavonoids from Cyclanthera pedata fruits by liquid chromatography/electrospray mass spectrometry. *Journal of Pharmaceutical and Biomedical Analysis*, **2004**, 34, 295-304	3.5	24
55	Application of liquid chromatography/electrospray ionization tandem mass spectrometry to the analysis of polyphenolic compounds from an infusion of Byrsonima crassa Niedenzu. *Rapid Communications in Mass Spectrometry*, **2005**, 19, 2244-50	2.2	24
54	Steviol glycosides targeted analysis in leaves of Stevia rebaudiana (Bertoni) from plants cultivated under chilling stress conditions. *Food Chemistry*, **2016**, 190, 572-580	8.5	23
53	Phenolic compounds from Bursera simaruba Sarg. bark: phytochemical investigation and quantitative analysis by tandem mass spectrometry. *Phytochemistry*, **2009**, 70, 641-9	4	23
52	Yucca gloriosa: a source of phenolic derivatives with strong antioxidant activity. *Journal of Agricultural and Food Chemistry*, **2007**, 55, 6636-42	5.7	23
51	Biological Activities of Aerial Parts Extracts of Euphorbia characias. *BioMed Research International*, **2016**, 2016, 1538703	3	23

50	A new approach to discriminate Rosmarinus officinalis L. plants with antioxidant activity, based on HPTLC fingerprint and targeted phenolic analysis combined with PCA. *Industrial Crops and Products*, **2016**, 94, 665-672	5.9	21
49	Steroidal saponins from Yucca gloriosa L. rhizomes: LC-MS profiling, isolation and quantitative determination. *Phytochemistry*, **2011**, 72, 126-35	4	20
48	Metabolite profiling of "green" extracts of Corylus avellana leaves by H NMR spectroscopy and multivariate statistical analysis. *Journal of Pharmaceutical and Biomedical Analysis*, **2018**, 160, 168-178	3.5	19
47	Studies on the constituents of Cyclanthera pedata fruits: isolation and structure elucidation of new flavonoid glycosides and their antioxidant activity. *Journal of Agricultural and Food Chemistry*, **2001**, 49, 5156-60	5.7	19
46	Phenolic compounds from Byrsonima crassifolia L. bark: phytochemical investigation and quantitative analysis by LC-ESI MS/MS. *Journal of Pharmaceutical and Biomedical Analysis*, **2011**, 56, 1-6	3.5	18
45	High-performance liquid chromatographic separation and identification of polyphenolic compounds from the infusion of Davilla elliptica St. Hill. *Phytochemical Analysis*, **2008**, 19, 17-24	3.4	18
44	Medicinal plants in the treatment of women's disorders: Analytical strategies to assure quality, safety and efficacy. *Journal of Pharmaceutical and Biomedical Analysis*, **2015**, 113, 189-211	3.5	17
43	Targeted and untargeted mass spectrometric approaches in discrimination between Myrtus communis cultivars from Sardinia region. *Journal of Mass Spectrometry*, **2016**, 51, 704-15	2.2	17
42	Determination of steroidal glycosides in Yucca gloriosa flowers by LC/MS/MS. *Journal of Pharmaceutical and Biomedical Analysis*, **2010**, 52, 791-5	3.5	17
41	Integrated mass spectrometric and multivariate data analysis approaches for the discrimination of organic and conventional strawberry (Fragaria ananassa Duch.) crops. *Food Research International*, **2015**, 77, 264-272	7	16
40	Antiproliferative and pro-apoptotic activity of novel phenolic derivatives of resveratrol. *Life Sciences*, **2007**, 81, 873-83	6.8	16
39	Phenylpropanoid glycosides from Tynanthus panurensis: characterization and LC-MS quantitative analysis. *Journal of Agricultural and Food Chemistry*, **2005**, 53, 2853-8	5.7	16
38	Characterisation of Fragaria vesca fruit from Italy following a metabolomics approach through integrated mass spectrometry techniques. *LWT - Food Science and Technology*, **2016**, 74, 387-395	5.4	16
37	Comparative Phytochemical Characterization, Genetic Profile, and Antiproliferative Activity of Polyphenol-Rich Extracts from Pigmented Tubers of Different Varieties. *Molecules*, **2020**, 25,	4.8	15
36	In depth chemical investigation of Glycyrrhiza triphylla Fisch roots guided by a preliminary HPLC-ESIMS profiling. *Food Chemistry*, **2018**, 248, 128-136	8.5	15
35	Liquid chromatography/tandem mass spectrometry of unusual phenols from Yucca schidigera bark: comparison with other analytical techniques. *Journal of Mass Spectrometry*, **2004**, 39, 1131-8	2.2	15
34	Integrated mass spectrometry approach to profile proanthocyanidins occurring in food supplements: analysis of Potentilla erecta L. rhizomes. *Food Chemistry*, **2013**, 141, 4171-8	8.5	14
33	Determination of phenolic compounds in Yucca gloriosa bark and root by LC-MS/MS. *Journal of Pharmaceutical and Biomedical Analysis*, **2008**, 47, 854-9	3.5	14

32	In depth LC-ESIMS-guided phytochemical analysis of Ziziphus jujuba Mill. leaves. *Phytochemistry*, **2019**, 159, 148-158	4	14
31	Plant Specialized Metabolites in Hazelnut (Corylus avellana) Kernel and Byproducts: An Update on Chemistry, Biological Activity, and Analytical Aspects. *Planta Medica*, **2019**, 85, 840-855	3.1	13
30	Galactosyl derivatives of L-arginine and D-arginine: synthesis, stability, cell permeation, and nitric oxide production in pituitary GH3 cells. *Journal of Medicinal Chemistry*, **2006**, 49, 4826-33	8.3	13
29	LC-ESI/LTQOrbitrap/MS based metabolomics in analysis of Myrtus communis leaves from Sardinia (Italy). *Industrial Crops and Products*, **2019**, 128, 354-362	5.9	13
28	Metabolomics and antioxidant activity of the leaves of Prunus dulcis Mill. (Italian cvs. Toritto and Avola). *Journal of Pharmaceutical and Biomedical Analysis*, **2018**, 158, 54-65	3.5	13
27	LC-MS based metabolomics study of different parts of myrtle berry from Sardinia (Italy). *Journal of Berry Research*, **2017**, 7, 217-229	2	12
26	Profiling and Simultaneous Quantitative Determination of Anthocyanins in Wild Myrtus communis L. Berries from Different Geographical Areas in Sardinia and their Comparative Evaluation. *Phytochemical Analysis*, **2016**, 27, 249-56	3.4	11
25	Biogenic amines and other polar compounds in long aged oxidized Vernaccia di Oristano white wines. *Food Research International*, **2018**, 111, 97-103	7	11
24	Antioxidant bibenzyl derivatives from Notholaena nivea Desv. *Molecules*, **2011**, 16, 2527-41	4.8	11
23	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. *Journal of Pharmaceutical and Biomedical Analysis*, **2020**, 179, 112926	3.5	11
22	HR-LC-ESI-Orbitrap-MS based metabolite profiling of Prunus dulcis Mill. (Italian cultivars Toritto and Avola) husks and evaluation of antioxidant activity. *Phytochemical Analysis*, **2019**, 30, 415-423	3.4	11
21	Effect of Very-Low-Calorie Ketogenic Diet on Psoriasis Patients: A Nuclear Magnetic Resonance-Based Metabolomic Study. *Journal of Proteome Research*, **2021**, 20, 1509-1521	5.6	11
20	Saliva of patients affected by salivary gland tumour: An NMR metabolomics analysis. *Journal of Pharmaceutical and Biomedical Analysis*, **2018**, 160, 436-442	3.5	10
19	Flavanocoumarins from Guazuma ulmifolia bark and evaluation of their affinity for STAT1. *Phytochemistry*, **2013**, 86, 64-71	4	10
18	Identification of Bioactive Phytochemicals in Mulberries. *Metabolites*, **2019**, 10,	5.6	10
17	Metabolite profiling and antioxidant activity of the polar fraction of Italian almonds (Toritto and Avola): Analysis of seeds, skins, and blanching water. *Journal of Pharmaceutical and Biomedical Analysis*, **2020**, 190, 113518	3.5	10
16	Selected Enzyme Inhibitory Effects of Extracts. *BioMed Research International*, **2018**, 2018, 1219367	3	9
15	Flavonoids from the leaves of Cyclanthera pedata: two new malonyl derivatives. *Phytochemical Analysis*, **2005**, 16, 210-6	3.4	9

14	First characterization of Pompia intrea candied fruit: The headspace chemical profile, polar extract composition and its biological activities. *Food Research International*, **2019**, 120, 620-630	7	9
13	A serum nuclear magnetic resonance-based metabolomic signature of antiphospholipid syndrome. *Journal of Pharmaceutical and Biomedical Analysis*, **2017**, 133, 90-95	3.5	8
12	HPTLC-PCA Complementary to HRMS-PCA in the Case Study of Antioxidant Phenolic Profiling. *Foods*, **2019**, 8,	4.9	7
11	Antinociceptive effects of an extract, fraction and an isolated compound of the stem bark of Maytenus rigida. *Revista Brasileira De Farmacognosia*, **2012**, 22, 598-603	2	7
10	Qualitative Profile and Quantitative Determination of Flavonoids from Crocus Sativus L. Petals by LC-MS/MS. *Natural Product Communications*, **2008**, 3, 1934578X0800301	0.9	6
9	Evaluation of bioactive compounds and antioxidant capacity of edible feijoa ((O. Berg) Burret) flower extracts. *Journal of Food Science and Technology*, **2020**, 57, 2051-2060	3.3	6
8	Metabolomics of Healthy Berry Fruits. *Current Medicinal Chemistry*, **2018**, 25, 4888-4902	4.3	5
7	Licorice (Glycyrrhiza glabra, G. uralensis, and G. inflata) and Their Constituents as Active Cosmeceutical Ingredients. *Cosmetics*, **2022**, 9, 7	2.7	4
6	LC-ESI/LTQOrbitrap/MS Metabolomic Analysis of Fennel Waste (Mill.) as a Byproduct Rich in Bioactive Compounds. *Foods*, **2021**, 10,	4.9	3
5	Profiling of phenolics from Tephrosia cinerea. *Planta Medica*, **2011**, 77, 1861-4	3.1	1
4	Effects of bio-fertilizers on the production of specialized metabolites in Salvia officinalis L. leaves: An analytical approach based on LC-ESI/LTQ-Orbitrap/MS and multivariate data analysis. *Journal of Pharmaceutical and Biomedical Analysis*, **2021**, 197, 113951	3.5	1
3	NMR-based metabolomic profile of hypercholesterolemic human sera: Relationship with in vitro gene expression?. *PLoS ONE*, **2020**, 15, e0231506	3.7	1
2	ESI-MS, ESI-MS/MS Fingerprint and LC-ESI-MS Analysis of Proathocyanidins from Bursera simaruba Sarg Bark. *Natural Product Communications*, **2009**, 4, 1934578X0900401	0.9	0
1	Quantitative Analysis of Caffeoylquinic Acids and Styrylpyrones in Sweetia panamensis Bark by UPLC. *Chromatographia*, **2009**, 70, 1621-1626	2.1	0