

Federica Pellati

List of Publications by Year in descending order

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104
papers

3,932
citations

101384

36
h-index

143772

57
g-index

104
all docs

104
docs citations

104
times ranked

5384
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of phenolic compounds and radical scavenging activity of Echinacea spp.. Journal of Pharmaceutical and Biomedical Analysis, 2004, 35, 289-301.	1.4	241
2	<i>Cannabis sativa</i> L. and Nonpsychoactive Cannabinoids: Their Chemistry and Role against Oxidative Stress, Inflammation, and Cancer. BioMed Research International, 2018, 2018, 1-15.	0.9	240
3	Development of a new extraction technique and HPLC method for the analysis of non-psychoactive cannabinoids in fibre-type <i>Cannabis sativa</i> L. (hemp). Journal of Pharmaceutical and Biomedical Analysis, 2017, 143, 228-236.	1.4	189
4	HPLC-DAD and HPLC-ESI-MS/MS methods for metabolite profiling of propolis extracts. Journal of Pharmaceutical and Biomedical Analysis, 2011, 55, 934-948.	1.4	160
5	New Methods for the Comprehensive Analysis of Bioactive Compounds in <i>Cannabis sativa</i> L. (hemp). Molecules, 2018, 23, 2639.	1.7	130
6	Determination of adrenergic agonists from extracts and herbal products of <i>Citrus aurantium</i> L. var. <i>amara</i> by LC. Journal of Pharmaceutical and Biomedical Analysis, 2002, 29, 1113-1119.	1.4	110
7	Headspace solid-phase microextraction-gas chromatography-mass spectrometry analysis of the volatile compounds of <i>Evodia</i> species fruits. Journal of Chromatography A, 2005, 1087, 265-273.	1.8	92
8	Chromatographic and electrophoretic methods for the analysis of phenethylamine alkaloids in <i>Citrus aurantium</i> . Journal of Chromatography A, 2007, 1161, 71-88.	1.8	89
9	Synergistic immunopharmacological effects of N-alkylamides in <i>Echinacea purpurea</i> herbal extracts. International Immunopharmacology, 2009, 9, 850-858.	1.7	86
10	Chemical Characterization and Evaluation of the Antibacterial Activity of Essential Oils from Fibre-Type <i>Cannabis sativa</i> L. (Hemp). Molecules, 2019, 24, 2302.	1.7	84
11	An efficient chemical analysis of phenolic acids and flavonoids in raw propolis by microwave-assisted extraction combined with high-performance liquid chromatography using the fused-core technology. Journal of Pharmaceutical and Biomedical Analysis, 2013, 81-82, 126-132.	1.4	74
12	High-performance liquid chromatography methods for the analysis of adrenergic amines and flavanones in <i>Citrus aurantium</i> L. var. <i>amara</i> . Phytochemical Analysis, 2004, 15, 220-225.	1.2	72
13	Antioxidant and anti-inflammatory activities of aqueous extract of <i>Centipeda minima</i> . Journal of Ethnopharmacology, 2013, 147, 395-405.	2.0	72
14	Variability in the composition of anti-oxidant compounds in <i>Echinacea</i> species by HPLC. Phytochemical Analysis, 2005, 16, 77-85.	1.2	70
15	Botanical Sources, Chemistry, Analysis, and Biological Activity of Furanocoumarins of Pharmaceutical Interest. Molecules, 2019, 24, 2163.	1.7	69
16	PLGA nanoparticles surface decorated with the sialic acid, N-acetylneuraminic acid. Biomaterials, 2010, 31, 3395-3403.	5.7	64
17	Metabolite profiling of polyphenols in <i>Vaccinium</i> berries and determination of their chemopreventive properties. Journal of Pharmaceutical and Biomedical Analysis, 2014, 89, 257-267.	1.4	56
18	Phytochemical composition and <i>in vitro</i> screening of the antimicrobial activity of essential oils on oral pathogenic bacteria. Natural Product Research, 2018, 32, 544-551.	1.0	55

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19	Development of a new high-performance liquid chromatography method with diode array and electrospray ionization-mass spectrometry detection for the metabolite fingerprinting of bioactive compounds in <i>Humulus lupulus</i> L.. <i>Journal of Chromatography A</i> , 2014, 1349, 50-59.	1.8	54
20	Metabolite fingerprinting of <i>Punica granatum</i> L. (pomegranate) polyphenols by means of high-performance liquid chromatography with diode array and electrospray ionization-mass spectrometry detection. <i>Journal of Chromatography A</i> , 2017, 1480, 20-31.	1.8	54
21	Headspace solid-phase microextraction-gas chromatography-mass spectrometry characterization of propolis volatile compounds. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 84, 103-111.	1.4	51
22	Isolation and structure elucidation of cytotoxic polyacetylenes and polyenes from <i>Echinacea pallida</i> . <i>Phytochemistry</i> , 2006, 67, 1359-1364.	1.4	50
23	Metabolite profiling of polyphenols in a <i>Terminalia chebula</i> Retzius ayurvedic decoction and evaluation of its chemopreventive activity. <i>Journal of Ethnopharmacology</i> , 2013, 147, 277-285.	2.0	48
24	Determination of ephedrine alkaloids in <i>Ephedra</i> natural products using HPLC on a pentafluorophenylpropyl stationary phase. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 48, 254-263.	1.4	47
25	Enantioselective LC analysis of synephrine in natural products on a protein-based chiral stationary phase. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 37, 839-849.	1.4	45
26	Innovative methods for the preparation of medical Cannabis oils with a high content of both cannabinoids and terpenes. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 186, 113296.	1.4	45
27	Cytotoxic activity of polyacetylenes and polyenes isolated from roots of <i>Echinacea pallida</i> . <i>British Journal of Pharmacology</i> , 2008, 153, 879-885.	2.7	44
28	Cytotoxic effects of <i>Echinacea</i> root hexanic extracts on human cancer cell lines. <i>Journal of Ethnopharmacology</i> , 2007, 110, 148-153.	2.0	43
29	Fast high-performance liquid chromatography analysis of phenethylamine alkaloids in <i>Citrus</i> natural products on a pentafluorophenylpropyl stationary phase. <i>Journal of Chromatography A</i> , 2007, 1165, 58-66.	1.8	43
30	Optimization and validation of a chiral GC-MS method for the determination of free d-amino acids ratio in human urine: Application to a Gestational Diabetes Mellitus study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 107, 480-487.	1.4	43
31	Cannabinoids from <i>Cannabis sativa</i> L.: A New Tool Based on HPLC-DAD-MS/MS for a Rational Use in Medicinal Chemistry. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 539-544.	1.3	43
32	Herbal Drug Quality and Phytochemical Composition of <i>Hypericum perforatum</i> L. Affected by Ash Yellows Phytoplasma Infection. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 964-968.	2.4	42
33	Chronic benzylamine administration in the drinking water improves glucose tolerance, reduces body weight gain and circulating cholesterol in high-fat diet-fed mice. <i>Pharmacological Research</i> , 2010, 61, 355-363.	3.1	42
34	Profiling of Flavonol Derivatives for the Development of Antitrypanosomatidic Drugs. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 7598-7616.	2.9	41
35	<i>Lavandula x intermedia</i> and <i>Lavandula angustifolia</i> essential oils: phytochemical composition and antimicrobial activity against foodborne pathogens. <i>Natural Product Research</i> , 2019, 33, 3330-3335.	1.0	40
36	Emerging challenges in the extraction, analysis and bioanalysis of cannabidiol and related compounds. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 192, 113633.	1.4	39

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37	Onion (<i>Allium cepa</i> L.) Skin: A Rich Resource of Biomolecules for the Sustainable Production of Colored Biofunctional Textiles. <i>Molecules</i> , 2019, 24, 634.	1.7	37
38	<i>Zingiber officinale</i> Roscoe rhizome extract alleviates neuropathic pain by inhibiting neuroinflammation in mice. <i>Phytomedicine</i> , 2020, 78, 153307.	2.3	36
39	Gas chromatography combined with mass spectrometry, flame ionization detection and elemental analyzer/isotope ratio mass spectrometry for characterizing and detecting the authenticity of commercial essential oils of <i>Rosa damascena</i> Mill.. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 591-602.	0.7	35
40	Metabolite profiling of flavonols and in vitro antioxidant activity of young shoots of wild <i>Humulus lupulus</i> L. (hop). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 142, 28-34.	1.4	35
41	Analytical methods for the study of bioactive compounds from medicinally used <i>Echinacea</i> species. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 160, 443-477.	1.4	35
42	Metabolite profiling of polyphenols in the Tunisian plant <i>Tamarix aphylla</i> (L.) Karst.. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 99, 97-105.	1.4	34
43	Development of a new method for the analysis of cannabinoids in honey by means of high-performance liquid chromatography coupled with electrospray ionisation-tandem mass spectrometry detection. <i>Journal of Chromatography A</i> , 2019, 1597, 179-186.	1.8	34
44	Repositioning Natural Products in Drug Discovery. <i>Molecules</i> , 2020, 25, 1154.	1.7	34
45	Propolis Affects <i>Pseudomonas aeruginosa</i> Growth, Biofilm Formation, eDNA Release and Phenazine Production: Potential Involvement of Polyphenols. <i>Microorganisms</i> , 2020, 8, 243.	1.6	32
46	Chromatographic Methods for Metabolite Profiling of Virus- and Phytoplasma-Infected Plants of <i>Echinacea purpurea</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 10425-10434.	2.4	31
47	Chromatographic performance of a new polar poly(ethylene glycol) bonded phase for the phytochemical analysis of <i>Hypericum perforatum</i> L.. <i>Journal of Chromatography A</i> , 2005, 1088, 205-217.	1.8	28
48	P-Glycoprotein Inhibitory Activity of Lipophilic Constituents of <i>Echinacea pallida</i> Roots in a Human Proximal Tubular Cell Line. <i>Planta Medica</i> , 2008, 74, 264-266.	0.7	28
49	Optimization and validation of a high-performance liquid chromatography method for the analysis of cardiac glycosides in <i>Digitalis lanata</i> . <i>Journal of Chromatography A</i> , 2009, 1216, 3260-3269.	1.8	26
50	HPLC-UV/DAD and ESI-MSn analysis of flavonoids and antioxidant activity of an Algerian medicinal plant: <i>Paronychia argentea</i> Lam.. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 111, 231-240.	1.4	26
51	Chemical composition, cytotoxicity, antimicrobial and antifungal activity of several essential oils. <i>Natural Product Research</i> , 2016, 30, 332-339.	1.0	26
52	High-performance liquid chromatography analysis of polyacetylenes and polyenes in <i>Echinacea pallida</i> by using a monolithic reversed-phase silica column. <i>Journal of Chromatography A</i> , 2007, 1149, 56-65.	1.8	25
53	High-performance liquid chromatography for the analytical characterization of anthocyanins in <i>Vaccinium myrtillus</i> L. (bilberry) fruit and food products. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 3559-3571.	1.9	24
54	Identification and determination of bioactive phenylpropanoid glycosides of <i>Aloysia polystachya</i> (Griseb. et Moldenke) by HPLC-MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 166, 364-370.	1.4	24

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55	Total synthesis of a dienyne from <i>Echinacea pallida</i> . <i>Tetrahedron</i> , 2008, 64, 6324-6328.	1.0	22
56	Lavender and peppermint essential oils as effective mushroom tyrosinase inhibitors: a basic study. <i>Flavour and Fragrance Journal</i> , 2011, 26, 441-446.	1.2	22
57	In Silico Repositioning of Cannabigerol as a Novel Inhibitor of the Enoyl Acyl Carrier Protein (ACP) Reductase (InhA). <i>Molecules</i> , 2019, 24, 2567.	1.7	22
58	Monitoring of Chlorogenic Acid and Antioxidant Capacity of <i>Solanum melongena</i> L. (Eggplant) under Different Heat and Storage Treatments. <i>Antioxidants</i> , 2019, 8, 234.	2.2	22
59	Non-psychoactive <i>Cannabis sativa</i> L. phytocomplex modulates microglial inflammatory response through CB2 receptors, endocannabinoids, and NF- κ B-mediated signaling. <i>Phytotherapy Research</i> , 2022, 36, 2246-2263.	2.8	22
60	Development and validation of HPLC methods for the analysis of phenethylamine and indoloquinazoline alkaloids in <i>Evodia</i> species. <i>Journal of Separation Science</i> , 2006, 29, 641-649.	1.3	21
61	Simultaneous metabolite fingerprinting of hydrophilic and lipophilic compounds in <i>Echinacea pallida</i> by high-performance liquid chromatography with diode array and electrospray ionization-mass spectrometry detection. <i>Journal of Chromatography A</i> , 2012, 1242, 43-58.	1.8	21
62	Use of ^{13}C -qNMR Spectroscopy for the Analysis of Non-Psychoactive Cannabinoids in Fibre-Type <i>Cannabis sativa</i> L. (Hemp). <i>Molecules</i> , 2019, 24, 1138.	1.7	21
63	Phytochemical Composition and In Vitro Antimicrobial Activity of Essential Oils from the Lamiaceae Family against <i>Streptococcus agalactiae</i> and <i>Candida albicans</i> Biofilms. <i>Antibiotics</i> , 2020, 9, 592.	1.5	21
64	Antifungal Activity and DNA Topoisomerase Inhibition of Hydrolysable Tannins from <i>Punica granatum</i> L.. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4175.	1.8	21
65	Testing the influence of digestate from biogas on growth and volatile compounds of basil (<i>Ocimum</i>) Tj ETQq1 1 0.784314 rgBT /Over Medicinal and Aromatic Plants, 2018, 11, 18-26.	0.9	20
66	Antibacterial activity of <i>Rosmarinus officinalis</i> L. and <i>Thymus vulgaris</i> L. essential oils and their combination against food-borne pathogens and spoilage bacteria in ready-to-eat vegetables. <i>Natural Product Research</i> , 2019, 33, 3568-3572.	1.0	20
67	Use of ^1H NMR to Detect the Percentage of Pure Fruit Juices in Blends. <i>Molecules</i> , 2019, 24, 2592.	1.7	19
68	Chemical Composition and In Vitro Neuroprotective Activity of Fibre-Type <i>Cannabis sativa</i> L. (Hemp). <i>Current Bioactive Compounds</i> , 2019, 15, 201-210.	0.2	19
69	Cytotoxic Activity and G1 Cell Cycle Arrest of a Dienyne from <i>Echinacea pallida</i> . <i>Planta Medica</i> , 2010, 76, 444-446.	0.7	17
70	Nuclear magnetic resonance and high-performance liquid chromatography techniques for the characterization of bioactive compounds from <i>Humulus lupulus</i> L. (hop). <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 3521-3531.	1.9	17
71	Development of chromatographic methods for the determination of genotoxic impurities in cloperastine fendizoate. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 61, 230-236.	1.4	16
72	The Effect of Desflurane on Neuronal Communication at a Central Synapse. <i>PLoS ONE</i> , 2015, 10, e0123534.	1.1	15

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73	Effect-directed analysis of bioactive compounds in <i>Cannabis sativa</i> L. by high-performance thin-layer chromatography. <i>Journal of Chromatography A</i> , 2020, 1629, 461511.	1.8	15
74	Discriminating different <i>Cannabis sativa</i> L. chemotypes using attenuated total reflectance - infrared (ATR-FTIR) spectroscopy: A proof of concept. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 204, 114270.	1.4	15
75	A new strategy based on microwave-assisted technology for the extraction and purification of beeswax policosanols for pharmaceutical purposes and beyond. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 172, 200-205.	1.4	14
76	Development and validation of a HPLC method for the determination of sertraline and three non-chiral related impurities. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 53, 122-129.	1.4	13
77	Study on the racemization of synephrine by off-column chiral high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2010, 1217, 3503-3510.	1.8	13
78	Microparticulate polyelectrolyte complexes for gentamicin transport across intestinal epithelia. <i>Drug Delivery</i> , 2011, 18, 26-37.	2.5	13
79	Antiseizure Effects of Fully Characterized Non-Psychoactive <i>Cannabis sativa</i> L. Extracts in the Repeated 6-Hz Corneal Stimulation Test. <i>Pharmaceuticals</i> , 2021, 14, 1259.	1.7	13
80	Assessment of the In Vivo Antioxidant Activity of an Anthocyanin-Rich Bilberry Extract Using the <i>Caenorhabditis elegans</i> Model. <i>Antioxidants</i> , 2020, 9, 509.	2.2	12
81	Determination of 1-Deoxynojirimycin (1-DNJ) in Leaves of Italian or Italy-Adapted Cultivars of Mulberry (<i>Morus</i> sp.pl.) by HPLC-MS. <i>Plants</i> , 2021, 10, 1553.	1.6	12
82	<i>In vitro</i> bioactivity evaluation of mulberry leaf extracts as nutraceuticals for the management of diabetes mellitus. <i>Food and Function</i> , 2022, 13, 4344-4359.	2.1	12
83	Isolation, structure elucidation and total synthesis of a cytotoxic dienone from <i>Echinacea pallida</i> . <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 4333.	1.5	10
84	Micronized / ultramicronized palmitoylethanolamide (PEA) as natural neuroprotector against COVID-19 inflammation. <i>Prostaglandins and Other Lipid Mediators</i> , 2021, 154, 106540.	1.0	10
85	Separation and non-separation methods for the analysis of cannabinoids in <i>Cannabis sativa</i> L.. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 206, 114346.	1.4	10
86	Antioxidant Power on Dermal Cells by Textiles Dyed with an Onion (<i>Allium cepa</i> L.) Skin Extract. <i>Antioxidants</i> , 2021, 10, 1655.	2.2	10
87	Investigating the effect of polarity of stationary and mobile phases on retention of cannabinoids in normal phase liquid chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 5385-5395.	1.9	9
88	The Effect of Polyphenols on Pomegranate Fruit Susceptibility to <i>Pilidiella granati</i> Provides Insights into Disease Tolerance Mechanisms. <i>Molecules</i> , 2020, 25, 515.	1.7	8
89	¹ H NMR spectroscopy and multivariate statistical analysis to determine the composition of herbal mixtures for infusions. <i>Phytochemical Analysis</i> , 2021, 32, 544-553.	1.2	8
90	A new method based on supercritical fluid extraction for polyacetylenes and polyenes from <i>Echinacea pallida</i> (Nutt.) Nutt. roots. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 146, 1-6.	1.4	7

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91	Use of a Zwitterionic Surfactant to Improve the Biofunctional Properties of Wool Dyed with an Onion (<i>Allium cepa</i> L.) Skin Extract. <i>Antioxidants</i> , 2020, 9, 1055.	2.2	7
92	Protein-Protein Interaction Inhibitors: Case Studies on Small Molecules and Natural Compounds. , 2013, , 31-60.		7
93	Chemical characterization of non-psychoactive <i>Cannabis sativa</i> L. extracts, in vitro antiproliferative activity and induction of apoptosis in chronic myelogenous leukaemia cancer cells. <i>Phytotherapy Research</i> , 2022, 36, 914-927.	2.8	7
94	Chemical composition, antifungal and antiproliferative activities of essential oils from <i>Thymus numidicus</i> L.. <i>Natural Product Research</i> , 2021, 35, 5888-5893.	1.0	6
95	Disclosing the Antioxidant and Neuroprotective Activity of an Anthocyanin-Rich Extract from Sweet Cherry (<i>Prunus avium</i> L.) Using In Vitro and In Vivo Models. <i>Antioxidants</i> , 2022, 11, 211.	2.2	6
96	Enantiomeric resolution of [(2,2-diphenyl-1,3-dioxolan-4-yl)methyl](2-phenoxyethyl)amine, a potent α_1 and 5-HT _{1A} receptor ligand: an in vitro and computational study. <i>MedChemComm</i> , 2015, 6, 677-690.	3.5	5
97	Erratum to "Chromatographic and electrophoretic methods for the analysis of phenethylamine alkaloids in <i>Citrus aurantium</i> ". [J. Chromatogr. A 1161 (2007) 71-88]. <i>Journal of Chromatography A</i> , 2007, 1164, 334.	1.8	4
98	New Insights into Bioactive Compounds from the Medicinal Plant <i>Spathodea campanulata</i> P. Beauv. and Their Activity against <i>Helicobacter pylori</i> . <i>Antibiotics</i> , 2020, 9, 258.	1.5	4
99	Hippocampal synaptic and membrane function in the DBA/2J-mdx mouse model of Duchenne muscular dystrophy. <i>Molecular and Cellular Neurosciences</i> , 2020, 104, 103482.	1.0	3
100	Innovative Methods for the Extraction and Chromatographic Analysis of Honey Bee Products. <i>ACS Symposium Series</i> , 2014, , 33-49.	0.5	2
101	Novel and less explored chemotypes of natural origin for the inhibition of Hsp90. <i>MedChemComm</i> , 2016, 7, 2063-2075.	3.5	2
102	Potential Therapeutic Applications of Common Agro-Food Byproducts and Chilean Wild Plants. <i>ACS Symposium Series</i> , 2012, , 117-130.	0.5	0
103	Isolation, Structure Elucidation, Synthesis, and Cytotoxic Activity of Polyacetylenes and Polyenes from <i>Echinacea pallida</i> . <i>ACS Symposium Series</i> , 2012, , 131-149.	0.5	0
104	Preface - Analytical issues related to cannabinoids. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 208, 114474.	1.4	0