

Federica Pellati

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95
papers

2,780
citations

30
h-index

48
g-index

104
ext. papers

3,359
ext. citations

4.3
avg, IF

5.35
L-index

#	Paper	IF	Citations
95	Analysis of phenolic compounds and radical scavenging activity of Echinacea spp. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004 , 35, 289-301	3.5	201
94	L. and Nonpsychoactive Cannabinoids: Their Chemistry and Role against Oxidative Stress, Inflammation, and Cancer. <i>BioMed Research International</i> , 2018 , 2018, 1691428	3	140
93	Development of a new extraction technique and HPLC method for the analysis of non-psychoactive cannabinoids in fibre-type Cannabis sativa L. (hemp). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 143, 228-236	3.5	130
92	HPLC-DAD and HPLC-ESI-MS/MS methods for metabolite profiling of propolis extracts. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011 , 55, 934-48	3.5	129
91	Determination of adrenergic agonists from extracts and herbal products of Citrus aurantium L. var. amara by LC. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002 , 29, 1113-9	3.5	97
90	New Methods for the Comprehensive Analysis of Bioactive Compounds in L. (hemp). <i>Molecules</i> , 2018 , 23,	4.8	89
89	Headspace solid-phase microextraction-gas chromatography--mass spectrometry analysis of the volatile compounds of Evodia species fruits. <i>Journal of Chromatography A</i> , 2005 , 1087, 265-73	4.5	81
88	Chromatographic and electrophoretic methods for the analysis of phenethylamine [corrected] alkaloids in Citrus aurantium. <i>Journal of Chromatography A</i> , 2007 , 1161, 71-88	4.5	72
87	Synergistic immunopharmacological effects of N-alkylamides in Echinacea purpurea herbal extracts. <i>International Immunopharmacology</i> , 2009 , 9, 850-8	5.8	64
86	High-performance liquid chromatography methods for the analysis of adrenergic amines and flavanones in Citrus aurantium L. var. amara. <i>Phytochemical Analysis</i> , 2004 , 15, 220-5	3.4	62
85	Antioxidant and anti-inflammatory activities of aqueous extract of Centipeda minima. <i>Journal of Ethnopharmacology</i> , 2013 , 147, 395-405	5	58
84	Variability in the composition of anti-oxidant compounds in Echinacea species by HPLC. <i>Phytochemical Analysis</i> , 2005 , 16, 77-85	3.4	58
83	PLGA nanoparticles surface decorated with the sialic acid, N-acetylneuraminic acid. <i>Biomaterials</i> , 2010 , 31, 3395-403	15.6	56
82	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. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013 , 81-82, 126-32	3.5	54
81	Chemical Characterization and Evaluation of the Antibacterial Activity of Essential Oils from Fibre-Type L. (Hemp). <i>Molecules</i> , 2019 , 24,	4.8	52
80	Isolation and structure elucidation of cytotoxic polyacetylenes and polyenes from Echinacea pallida. <i>Phytochemistry</i> , 2006 , 67, 1359-64	4	45
79	Metabolite fingerprinting of Punica granatum 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	4.5	44

78	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, 50-9	4.5	43
77	Metabolite profiling of polyphenols in <i>Vaccinium</i> berries and determination of their chemopreventive properties. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014 , 89, 257-67	3.5	42
76	Headspace solid-phase microextraction-gas chromatography-mass spectrometry characterization of propolis volatile compounds. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013 , 84, 103-11	3.5	42
75	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, 254-63	3.5	40
74	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, 839-49	3.5	39
73	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, 355-63	10.2	37
72	Phytochemical composition and in vitro screening of the antimicrobial activity of essential oils on oral pathogenic bacteria. <i>Natural Product Research</i> , 2018 , 32, 544-551	2.3	36
71	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	4.5	35
70	Botanical Sources, Chemistry, Analysis, and Biological Activity of Furanocoumarins of Pharmaceutical Interest. <i>Molecules</i> , 2019 , 24,	4.8	34
69	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, 277-85	5	34
68	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, 964-8	5.7	33
67	Cytotoxic activity of polyacetylenes and polyenes isolated from roots of <i>Echinacea pallida</i> . <i>British Journal of Pharmacology</i> , 2008 , 153, 879-85	8.6	32
66	Profiling of Flavonol Derivatives for the Development of Antitrypanosomatidic Drugs. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 7598-616	8.3	30
65	Cannabinoids from 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	4.3	29
64	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, 480-7	3.5	28
63	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	2.2	27
62	Cytotoxic effects of <i>Echinacea</i> root hexanic extracts on human cancer cell lines. <i>Journal of Ethnopharmacology</i> , 2007 , 110, 148-53	5	27
61	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	3.5	26

60	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	3.5	25
59	HPLC-UV/DAD and ESI-MS(n) 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, 231-40	3.5	25
58	Onion (L.) Skin: A Rich Resource of Biomolecules for the Sustainable Production of Colored Biofunctional Textiles. <i>Molecules</i> , 2019 , 24,	4.8	24
57	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, 264-6	3.1	24
56	and essential oils: phytochemical composition and antimicrobial activity against foodborne pathogens. <i>Natural Product Research</i> , 2019 , 33, 3330-3335	2.3	23
55	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, 205-17	4.5	23
54	Chemical composition, cytotoxicity, antimicrobial and antifungal activity of several essential oils. <i>Natural Product Research</i> , 2016 , 30, 332-9	2.3	22
53	Total synthesis of a dienynone from <i>Echinacea pallida</i> . <i>Tetrahedron</i> , 2008 , 64, 6324-6328	2.4	22
52	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	4.5	21
51	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, 10425-34	5.7	21
50	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	4.5	21
49	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	3.5	20
48	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, 3260-9	4.5	20
47	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, 641-9	3.4	19
46	Lavender and peppermint essential oils as effective mushroom tyrosinase inhibitors: a basic study. <i>Flavour and Fragrance Journal</i> , 2011 , 26, 441-446	2.5	18
45	<i>Zingiber officinale</i> Roscoe rhizome extract alleviates neuropathic pain by inhibiting neuroinflammation in mice. <i>Phytomedicine</i> , 2020 , 78, 153307	6.5	18
44	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	3.5	17
43	In Silico Repositioning of Cannabigerol as a Novel Inhibitor of the Enoyl Acyl Carrier Protein (ACP) Reductase (InhA). <i>Molecules</i> , 2019 , 24,	4.8	17

42	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	4.5	17
41	Emerging challenges in the extraction, analysis and bioanalysis of cannabidiol and related compounds. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 192, 113633	3.5	17
40	Testing the influence of digestate from biogas on growth and volatile compounds of basil (<i>Ocimum basilicum</i> L.) and peppermint (<i>Mentha x piperita</i> L.) in hydroponics. <i>Journal of Applied Research on Medicinal and Aromatic Plants</i> , 2018 , 11, 18-26	2.6	16
39	Propolis Affects Growth, Biofilm Formation, eDNA Release and Phenazine Production: Potential Involvement of Polyphenols. <i>Microorganisms</i> , 2020 , 8,	4.9	15
38	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	4.4	15
37	Use of C-qNMR Spectroscopy for the Analysis of Non-Psychoactive Cannabinoids in Fibre-Type L. (Hemp). <i>Molecules</i> , 2019 , 24,	4.8	14
36	Cytotoxic activity and G1 cell cycle arrest of a Dienynone from <i>Echinacea pallida</i> . <i>Planta Medica</i> , 2010 , 76, 444-6	3.1	14
35	Study on the racemization of synephrine by off-column chiral high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2010 , 1217, 3503-10	4.5	13
34	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	0.9	13
33	Antibacterial activity of L. and 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	2.3	12
32	Monitoring of Chlorogenic Acid and Antioxidant Capacity of L. (Eggplant) under Different Heat and Storage Treatments. <i>Antioxidants</i> , 2019 , 8,	7.1	12
31	Development of chromatographic methods for the determination of genotoxic impurities in cloperastine fendizoate. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012 , 61, 230-6	3.5	12
30	Microparticulate polyelectrolyte complexes for gentamicin transport across intestinal epithelia. <i>Drug Delivery</i> , 2011 , 18, 26-37	7	11
29	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	3.5	10
28	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	4.4	10
27	Use of H NMR to Detect the Percentage of Pure Fruit Juices in Blends. <i>Molecules</i> , 2019 , 24,	4.8	10
26	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	4.5	9
25	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	3.5	8

24	The effect of desflurane on neuronal communication at a central synapse. <i>PLoS ONE</i> , 2015 , 10, e0123534	3.7	8
23	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, 122-9	3.5	8
22	Isolation, structure elucidation and total synthesis of a cytotoxic dienone from <i>Echinacea pallida</i> . <i>Organic and Biomolecular Chemistry</i> , 2008 , 6, 4333-9	3.9	8
21	Phytochemical Composition and In Vitro Antimicrobial Activity of Essential Oils from the Family against and Biofilms. <i>Antibiotics</i> , 2020 , 9,	4.9	7
20	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	3.5	6
19	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	3.5	6
18	Enantiomeric resolution of [(2,2-diphenyl-1,3-dioxolan-4-yl)methyl](2-phenoxyethyl)amine, a potent μ and 5-HT _{1A} receptor ligand: an in vitro and computational study. <i>MedChemComm</i> , 2015 , 6, 677-690	5	5
17	Protein-Protein Interaction Inhibitors: Case Studies on Small Molecules and Natural Compounds 2013 , 31-60		5
16	Antifungal Activity and DNA Topoisomerase Inhibition of Hydrolysable Tannins from <i>L. International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	5
15	HR- H NMR spectroscopy and multivariate statistical analysis to determine the composition of herbal mixtures for infusions. <i>Phytochemical Analysis</i> , 2021 , 32, 544-553	3.4	5
14	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	3.5	5
13	Use of a Zwitterionic Surfactant to Improve the Biofunctional Properties of Wool Dyed with an Onion (L.) Skin Extract. <i>Antioxidants</i> , 2020 , 9,	7.1	4
12	Assessment of the In Vivo Antioxidant Activity of an Anthocyanin-Rich Bilberry Extract Using the Model. <i>Antioxidants</i> , 2020 , 9,	7.1	4
11	Micronized / ultramicronized palmitoylethanolamide (PEA) as natural neuroprotector against COVID-19 inflammation. <i>Prostaglandins and Other Lipid Mediators</i> , 2021 , 154, 106540	3.7	4
10	The Effect of Polyphenols on Pomegranate Fruit Susceptibility to Provides Insights into Disease Tolerance Mechanisms. <i>Molecules</i> , 2020 , 25,	4.8	3
9	Erratum to [Chromatographic and electrophoretic methods for the analysis of phenethylamine alkaloids in <i>Citrus aurantium</i>] [J. Chromatogr. A 1161 (2007) 71B8]. <i>Journal of Chromatography A</i> , 2007 , 1164, 334	4.5	3
8	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 , 1	4.4	3
7	Chemical composition, antifungal and antiproliferative activities of essential oils from <i>L. Natural Product Research</i> , 2021 , 35, 5888-5893	2.3	3

6	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	4.8	2
5	Innovative Methods for the Extraction and Chromatographic Analysis of Honey Bee Products. <i>ACS Symposium Series</i> , 2014 , 33-49	0.4	2
4	Antiseizure Effects of Fully Characterized Non-Psychoactive L. Extracts in the Repeated 6-Hz Corneal Stimulation Test.. <i>Pharmaceuticals</i> , 2021 , 14,	5.2	2
3	Novel and less explored chemotypes of natural origin for the inhibition of Hsp90. <i>MedChemComm</i> , 2016 , 7, 2063-2075	5	1
2	Potential Therapeutic Applications of Common Agro-Food Byproducts and Chilean Wild Plants. <i>ACS Symposium Series</i> , 2012 , 117-130	0.4	
1	Isolation, Structure Elucidation, Synthesis, and Cytotoxic Activity of Polyacetylenes and Polyenes from <i>Echinacea pallida</i> . <i>ACS Symposium Series</i> , 2012 , 131-149	0.4	