

Paola Donato

List of Publications by Year in descending order

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56
papers

2,090
citations

172457

29
h-index

243625

44
g-index

57
all docs

57
docs citations

57
times ranked

2258
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of phospholipids in milk samples by means of hydrophilic interaction liquid chromatography coupled to evaporative light scattering and mass spectrometry detection. <i>Journal of Chromatography A</i> , 2011, 1218, 6476-6482.	3.7	110
2	Comparative Analysis of Flavonoid Profile, Antioxidant and Antimicrobial Activity of the Berries of <i>Juniperus communis</i> L. var. <i>communis</i> and <i>Juniperus communis</i> L. var. <i>saxatilis</i> Pall. from Turkey. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 6570-6577.	5.2	91
3	Potential of comprehensive chromatography in food analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 52, 186-205.	11.4	91
4	High efficiency liquid chromatography techniques coupled to mass spectrometry for the characterization of mate extracts. <i>Journal of Chromatography A</i> , 2009, 1216, 7213-7221.	3.7	89
5	Mass spectrometry detection in comprehensive liquid chromatography: Basic concepts, instrumental aspects, applications and trends. <i>Mass Spectrometry Reviews</i> , 2012, 31, 523-559.	5.4	86
6	Comprehensive two-dimensional liquid chromatography to quantify polyphenols in red wines. <i>Journal of Chromatography A</i> , 2009, 1216, 7483-7487.	3.7	74
7	Comprehensive chromatographic methods for the analysis of lipids. <i>TrAC - Trends in Analytical Chemistry</i> , 2007, 26, 191-205.	11.4	73
8	Use of partially porous column as second dimension in comprehensive two-dimensional system for analysis of polyphenolic antioxidants. <i>Journal of Separation Science</i> , 2008, 31, 3297-3308.	2.5	72
9	Stop-flow comprehensive two-dimensional liquid chromatography combined with mass spectrometric detection for phospholipid analysis. <i>Journal of Chromatography A</i> , 2013, 1278, 46-53.	3.7	69
10	Comprehensive two-dimensional liquid chromatography-tandem mass spectrometry for the simultaneous determination of wine polyphenols and target contaminants. <i>Journal of Chromatography A</i> , 2016, 1458, 54-62.	3.7	69
11	Ultra high pressure in the second dimension of a comprehensive two-dimensional liquid chromatographic system for carotenoid separation in red chili peppers. <i>Journal of Chromatography A</i> , 2012, 1255, 244-251.	3.7	63
12	Online Comprehensive RPLC-MS-MS—RPLC with Mass Spectrometry Detection for the Analysis of Proteome Samples. <i>Analytical Chemistry</i> , 2011, 83, 2485-2491.	6.5	60
13	Characterization of the polyphenolic fraction of <i>Morus alba</i> leaves extracts by HPLC coupled to a hybrid IT-TOF MS system. <i>Journal of Separation Science</i> , 2009, 32, 3627-3634.	2.5	56
14	High performance characterization of triacylglycerols in milk and milk-related samples by liquid chromatography and mass spectrometry. <i>Journal of Chromatography A</i> , 2014, 1360, 172-187.	3.7	54
15	Determination of the polyphenolic content of a <i>Capsicum annum</i> L. extract by liquid chromatography coupled to photodiode array and mass spectrometry detection and evaluation of its biological activity. <i>Journal of Separation Science</i> , 2015, 38, 171-178.	2.5	54
16	Complementary Analytical Liquid Chromatography Methods for the Characterization of Aqueous Phase from Pyrolysis of Lignocellulosic Biomasses. <i>Analytical Chemistry</i> , 2014, 86, 11255-11262.	6.5	51
17	Epoxy-carotenoids esters analysis in intact orange juices using two-dimensional comprehensive liquid chromatography. <i>Journal of Separation Science</i> , 2009, 32, 973-980.	2.5	49
18	Profiling and quantifying polar lipids in milk by hydrophilic interaction liquid chromatography coupled with evaporative light-scattering and mass spectrometry detection. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 4617-4626.	3.7	49

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19	Juniperus oxycedrus L. subsp. oxycedrus and Juniperus oxycedrus L. subsp. macrocarpa (Sibth. & Poir.) Tj ETQq1 1 0.784314 rgBT /Overl... and antimicrobial activities. Food and Chemical Toxicology, 2013, 58, 22-29.	3.6	49
20	Comprehensive Liquid Chromatography and Other Liquid-Based Comprehensive Techniques Coupled to Mass Spectrometry in Food Analysis. Analytical Chemistry, 2017, 89, 414-429.	6.5	46
21	Serial coupled columns reversed-phase separations in high-performance liquid chromatography. Journal of Chromatography A, 2008, 1188, 208-215.	3.7	45
22	RPâ€ˆLCâ€ˆâ€ˆRPâ€ˆLC analysis of a tryptic digest using a combination of totally porous and partially porous stationary phases. Journal of Separation Science, 2010, 33, 1454-1461.	2.5	38
23	Acquisition of deeper knowledge on the human plasma fatty acid profile exploiting comprehensive 2â€ˆD GC. Journal of Separation Science, 2008, 31, 3347-3351.	2.5	35
24	Comprehensive lipid profiling in the Mediterranean mussel (<i>Mytilus galloprovincialis</i>) using hyphenated and multidimensional chromatography techniques coupled to mass spectrometry detection. Analytical and Bioanalytical Chemistry, 2018, 410, 3297-3313.	3.7	35
25	High peak capacity separation of peptides through the serial connection of LC shellâ€ˆpacked columns. Journal of Separation Science, 2009, 32, 1129-1136.	2.5	34
26	Mass spectrometric elucidation of triacylglycerol content of <i>Brevoortia tyrannus</i> (menhaden) oil using non-aqueous reversed-phase liquid chromatography under ultra high pressure conditions. Journal of Chromatography A, 2012, 1259, 227-236.	3.7	34
27	Continuous vs. segmented second-dimension system gradients for comprehensive two-dimensional liquid chromatography of sugarcane (<i>Saccharum</i> spp.). Analytical and Bioanalytical Chemistry, 2014, 406, 4315-4324.	3.7	33
28	Recent Analytical Techniques Advances in the Carotenoids and Their Derivatives Determination in Various Matrixes. Journal of Agricultural and Food Chemistry, 2018, 66, 3302-3307.	5.2	33
29	Recent advances in the coupling of carbon dioxide-based extraction and separation techniques. TrAC - Trends in Analytical Chemistry, 2019, 116, 158-165.	11.4	33
30	Supercritical fluid chromatography for lipid analysis in foodstuffs. Journal of Separation Science, 2017, 40, 361-382.	2.5	32
31	Characterization of the pigment fraction in sweet bell peppers (<i>Capsicum annuum</i> L.) harvested at green and overripe yellow and red stages by offline multidimensional convergence chromatography/liquid chromatographyâ€ˆmass spectrometry. Journal of Separation Science, 2016, 39, 3281-3291.	2.5	30
32	Characterisation of the C50 carotenoids produced by strains of the cheese-ripening bacterium <i>Arthrobacter arilaitensis</i> . International Dairy Journal, 2016, 55, 10-16.	3.0	30
33	Analytical characterization of mandarin (<i>Citrus deliciosa</i> Ten.) essential oil. Flavour and Fragrance Journal, 2011, 26, 34-46.	2.6	28
34	Multidimensional Gas Chromatography Coupled to Combustion-Isotope Ratio Mass Spectrometry/Quadrupole MS with a Low-Bleed Ionic Liquid Secondary Column for the Authentication of Truffles and Products Containing Truffle. Analytical Chemistry, 2018, 90, 6610-6617.	6.5	25
35	Comprehensive twoâ€ˆdimensional liquid chromatography with evaporative lightâ€ˆscattering detection for the analysis of triacylglycerols in <i>Borago officinalis</i> . Journal of Separation Science, 2011, 34, 688-692.	2.5	24
36	Performance evaluation of a versatile multidimensional chromatographic preparative system based on three-dimensional gas chromatography and liquid chromatographyâ€ˆtwo-dimensional gas chromatography for the collection of volatile constituents. Journal of Chromatography A, 2015, 1417, 96-103.	3.7	24

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37	Development of an online capillary comprehensive 2D-LC system for the analysis of proteome samples. <i>Journal of Separation Science</i> , 2012, 35, 530-533.	2.5	22
38	Capsaicinoids and Carotenoids in <i>Capsicum annum</i> L.: Optimization of the Extraction Method, Analytical Characterization, and Evaluation of its Biological Properties. <i>Food Analytical Methods</i> , 2016, 9, 1381-1390.	2.6	22
39	Supercritical Fluid Chromatography—Ultra-High Pressure Liquid Chromatography for Red Chilli Pepper Fingerprinting by Photodiode Array, Quadrupole-Time-of-Flight and Ion Mobility Mass Spectrometry (SFC—RP-UHPLC-PDA-Q-ToF MS-IMS). <i>Food Analytical Methods</i> , 2018, 11, 3331-3341.	2.6	20
40	Gas Chromatography—Fourier Transform Infrared Spectroscopy for Unambiguous Determination of Illicit Drugs: A Proof of Concept. <i>Frontiers in Chemistry</i> , 2020, 8, 624.	3.6	19
41	Quali-quantitative characterization of the volatile constituents in <i>Cordia verbenacea</i> D.C. essential oil exploiting advanced chromatographic approaches and nuclear magnetic resonance analysis. <i>Journal of Chromatography A</i> , 2017, 1524, 246-253.	3.7	18
42	Analytical Characterization of 3-MeO-PCP and 3-MMC in Seized Products and Biosamples: The Role of LC-HRAM-Orbitrap-MS and Solid Deposition GC-FTIR. <i>Frontiers in Chemistry</i> , 2020, 8, 618339.	3.6	17
43	Identification of high-value generating molecules from the wastes of tuna fishery industry by liquid chromatography and gas chromatography hyphenated techniques with automated sample preparation. <i>Journal of Separation Science</i> , 2021, 44, 1571-1580.	2.5	15
44	Determination of new bioflavonoids in bergamot (<i>Citrus bergamia</i>) peel oil by liquid chromatography coupled to tandem ion trap—time-of-flight mass spectrometry. <i>Flavour and Fragrance Journal</i> , 2014, 29, 131-136.	2.6	13
45	Improving the productivity of a multidimensional chromatographic preparative system by collecting pure chemicals after each of three chromatographic dimensions. <i>Journal of Chromatography A</i> , 2016, 1475, 80-85.	3.7	13
46	Pattern-Type Separation of Triacylglycerols by Silver Thiolate—Non-Aqueous Reversed Phase Comprehensive Liquid Chromatography. <i>Separations</i> , 2021, 8, 88.	2.4	11
47	Carotenoids from the ripening bacterium <i>Brevibacterium linens</i> impart color to the rind of the French cheese, Fourme de Montbrison (PDO). <i>Natural Product Research</i> , 2020, 34, 10-15.	1.8	10
48	<i>Betula pendula</i> Roth leaves: gastroprotective effects of an HPLC-fingerprinted methanolic extract. <i>Natural Product Research</i> , 2013, 27, 1569-1575.	1.8	9
49	Novel comprehensive multidimensional liquid chromatography approach for elucidation of the microbiosphere of shikimate-producing <i>Escherichia coli</i> SP1.1/pKD15.071 strain. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 3473-3482.	3.7	8
50	Overcoming the lack of reliability associated to monodimensional gas chromatography coupled to isotopic ratio mass spectrometry data by heart-cut two-dimensional gas chromatography. <i>Journal of Chromatography A</i> , 2021, 1655, 462473.	3.7	7
51	The online coupling of liquid chromatography to Fourier transform infrared spectroscopy using a solute-deposition interface: A proof of concept. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 703-712.	3.7	5
52	Lipidomics. <i>Comprehensive Analytical Chemistry</i> , 2015, 68, 395-439.	1.3	4
53	Separation of lipids. , 2017, , 201-243.		4
54	Recent Advances in Comprehensive Two-Dimensional Liquid Chromatography for the Analysis of Natural Products. , 2017, , 287-307.		1

#	ARTICLE	IF	CITATIONS
55	Oxycarotenoids (Xanthophylls). , 2012, , 267-286.		1
56	7. Applications of supercritical fluid chromatography in the field of edible lipids. , 2018, , 163-188.		0