

# 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  | 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         |
| 2  | 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        |
| 3  | Pattern-Type Separation of Triacylglycerols by Silver Thiolate—Non-Aqueous Reversed Phase Comprehensive Liquid Chromatography. <i>Separations</i> , 2021, 8, 88.  | 2.4  | 11        |
| 4  | 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         |
| 5  | 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        |
| 6  | 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        |
| 7  | 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        |
| 8  | Recent advances in the coupling of carbon dioxide-based extraction and separation techniques. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 116, 158-165.  | 11.4 | 33        |
| 9  | Comprehensive lipid profiling in the Mediterranean mussel ( <i>Mytilus galloprovincialis</i> ) using hyphenated and multidimensional chromatography techniques coupled to mass spectrometry detection. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 3297-3313.              | 3.7  | 35        |
| 10 | Recent Analytical Techniques Advances in the Carotenoids and Their Derivatives Determination in Various Matrixes. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 3302-3307.  | 5.2  | 33        |
| 11 | Novel comprehensive multidimensional liquid chromatography approach for elucidation of the microsphere 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         |
| 12 | 7. Applications of supercritical fluid chromatography in the field of edible lipids. , 2018, , 163-188.   |      | 0         |
| 13 | Supercritical Fluid Chromatography—Ultra-High Pressure Liquid Chromatography for Red Chili 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        |
| 14 | 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. <i>Analytical Chemistry</i> , 2018, 90, 6610-6617.             | 6.5  | 25        |
| 15 | 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        |
| 16 | Separation of lipids. , 2017, , 201-243.  |      | 4         |
| 17 | Comprehensive Liquid Chromatography and Other Liquid-Based Comprehensive Techniques Coupled to Mass Spectrometry in Food Analysis. <i>Analytical Chemistry</i> , 2017, 89, 414-429.   | 6.5  | 46        |
| 18 | Supercritical fluid chromatography for lipid analysis in foodstuffs. <i>Journal of Separation Science</i> , 2017, 40, 361-382.  | 2.5  | 32        |

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|----|---|------|-----------|
| 19 | Recent Advances in Comprehensive Two-Dimensional Liquid Chromatography for the Analysis of Natural Products. , 2017, , 287-307.   |      | 1         |
| 20 | 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 chromatography–mass spectrometry. <i>Journal of Separation Science</i> , 2016, 39, 3281-3291. | 2.5  | 30        |
| 21 | 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        |
| 22 | 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        |
| 23 | Characterisation of the C50 carotenoids produced by strains of the cheese-ripening bacterium <i>Arthrobacter arilaitensis</i> . <i>International Dairy Journal</i> , 2016, 55, 10-16.   | 3.0  | 30        |
| 24 | Capsaicinoids and Carotenoids in <i>Capsicum annuum</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        |
| 25 | Lipidomics. <i>Comprehensive Analytical Chemistry</i> , 2015, 68, 395-439.  | 1.3  | 4         |
| 26 | Performance evaluation of a versatile multidimensional chromatographic preparative system based on three-dimensional gas chromatography and liquid chromatography–two-dimensional gas chromatography for the collection of volatile constituents. <i>Journal of Chromatography A</i> , 2015, 1417, 96-103.    | 3.7  | 24        |
| 27 | Determination of the polyphenolic content of a <i>Capsicum annuum</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        |
| 28 | 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        |
| 29 | 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        |
| 30 | 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        |
| 31 | Continuous vs. segmented second-dimension system gradients for comprehensive two-dimensional liquid chromatography of sugarcane ( <i>Saccharum</i> spp.). <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 4315-4324.   | 3.7  | 33        |
| 32 | 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        |
| 33 | <i>Juniperus oxycedrus</i> L. subsp. <i>oxycedrus</i> and <i>Juniperus oxycedrus</i> L. subsp. <i>macrocarpa</i> (Sibth. & Amp;) Tj ETQq1 1 0.784314 rgBT /Ove<br>and antimicrobial activities. <i>Food and Chemical Toxicology</i> , 2013, 58, 22-29.  | 3.6  | 49        |
| 34 | <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         |
| 35 | Potential of comprehensive chromatography in food analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 52, 186-205.   | 11.4 | 91        |
| 36 | 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        |

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|----|--|-----|-----------|
| 37 | 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. <i>Journal of Chromatography A</i> , 2012, 1259, 227-236.  | 3.7 | 34        |
| 38 | 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        |
| 39 | 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        |
| 40 | 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        |
| 41 | Oxycarotenoids (Xanthophylls). , 2012, , 267-286.  |     | 1         |
| 42 | Online Comprehensive RPLC-MS- RPLC with Mass Spectrometry Detection for the Analysis of Proteome Samples. <i>Analytical Chemistry</i> , 2011, 83, 2485-2491.   | 6.5 | 60        |
| 43 | 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       |
| 44 | Comprehensive two-dimensional liquid chromatography with evaporative light scattering detection for the analysis of triacylglycerols in <i>Borago officinalis</i> . <i>Journal of Separation Science</i> , 2011, 34, 688-692.  | 2.5 | 24        |
| 45 | Analytical characterization of mandarin ( <i>Citrus deliciosa</i> Ten.) essential oil. <i>Flavour and Fragrance Journal</i> , 2011, 26, 34-46.   | 2.6 | 28        |
| 46 | RP-LC-MS- RP-LC analysis of a tryptic digest using a combination of totally porous and partially porous stationary phases. <i>Journal of Separation Science</i> , 2010, 33, 1454-1461.   | 2.5 | 38        |
| 47 | High peak capacity separation of peptides through the serial connection of LC shell-packed columns. <i>Journal of Separation Science</i> , 2009, 32, 1129-1136.  | 2.5 | 34        |
| 48 | 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        |
| 49 | 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        |
| 50 | Comprehensive two-dimensional liquid chromatography to quantify polyphenols in red wines. <i>Journal of Chromatography A</i> , 2009, 1216, 7483-7487.  | 3.7 | 74        |
| 51 | 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        |
| 52 | 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        |
| 53 | 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        |
| 54 | Acquisition of deeper knowledge on the human plasma fatty acid profile exploiting comprehensive 2D GC. <i>Journal of Separation Science</i> , 2008, 31, 3347-3351.   | 2.5 | 35        |

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|----|--|------|-----------|
| 55 | Serial coupled columns reversed-phase separations in high-performance liquid chromatography. Journal of Chromatography A, 2008, 1188, 208-215. | 3.7  | 45        |
| 56 | Comprehensive chromatographic methods for the analysis of lipids. TrAC - Trends in Analytical Chemistry, 2007, 26, 191-205.                    | 11.4 | 73        |