

# Leonardo Di Donna

## List of Publications by Year in descending order

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75  
papers

2,067  
citations

159585

30  
h-index

276875

41  
g-index

76  
all docs

76  
docs citations

76  
times ranked

2247  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct wine profiling by mass spectrometry (MS): A comparison of different ambient MS approaches. <i>Microchemical Journal</i> , 2022, 179, 107479.	4.5	6
2	A Biocompatible Aspartic-Decorated Metal-Organic Framework with Tubular Motif Degradable under Physiological Conditions. <i>Inorganic Chemistry</i> , 2021, 60, 14221-14229.	4.0	3
3	High-throughput determination of flavanone-O-glycosides in citrus beverages by paper spray tandem mass spectrometry. <i>Food Chemistry</i> , 2021, 360, 130060.	8.2	12
4	Hydroxytyrosol-Fortified Foods Obtained by Supercritical Fluid Extraction of Olive Oil. <i>Antioxidants</i> , 2021, 10, 1619.	5.1	7
5	A rapid MALDI MS/MS based method for assessing saffron ( <i>Crocus sativus</i> L.) adulteration. <i>Food Chemistry</i> , 2020, 307, 125527.	8.2	42
6	Rapid determination of the free and total hydroxytyrosol and tyrosol content in extra virgin olive oil by stable isotope dilution analysis and paper spray tandem mass spectrometry. <i>Food and Chemical Toxicology</i> , 2020, 136, 111110.	3.6	25
7	Hydrolase-like catalysis and structural resolution of natural products by a metal-organic framework. <i>Nature Communications</i> , 2020, 11, 3080.	12.8	33
8	Vinegar production from Citrus bergamia by-products and preservation of bioactive compounds. <i>European Food Research and Technology</i> , 2020, 246, 1981-1990.	3.3	21
9	Protein Extraction, Enrichment and MALDI MS and MS/MS Analysis from Bitter Orange Leaves ( <i>Citrus</i> ) Tj ETQq1 1 0,784314 rgBT /Ove	3.8	21
10	Paper spray tandem mass spectrometry: A rapid approach for the assay of parabens in cosmetics and drugs. <i>Journal of Mass Spectrometry</i> , 2020, 55, e4526.	1.6	8
11	Evaluation of Quality and Safety of Foods by Tandem Mass Spectrometry. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2020, , 1-10.	0.5	0
12	Insight on the chelation of aluminum(III) and iron(III) by curcumin in aqueous solution. <i>Journal of Molecular Liquids</i> , 2019, 296, 111805.	4.9	32
13	High-throughput determination of vitamin E in extra virgin olive oil by paper spray tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 2885-2890.	3.7	20
14	A rapid method for the assay of methylxanthines alkaloids: Theobromine, theophylline and caffeine, in cocoa products and drugs by paper spray tandem mass spectrometry. <i>Food Chemistry</i> , 2019, 278, 261-266.	8.2	52
15	Vinegar production to valorise Citrus bergamia by-products. <i>European Food Research and Technology</i> , 2019, 245, 667-675.	3.3	16
16	Crystallographic snapshots of host-guest interactions in drugs@metal-organic frameworks: towards mimicking molecular recognition processes. <i>Materials Horizons</i> , 2018, 5, 683-690.	12.2	64
17	Bergamot natural products eradicate cancer stem cells (CSCs) by targeting mevalonate, Rho-GDI-signalling and mitochondrial metabolism. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, 984-996.	1.0	58
18	A comprehensive evaluation of tyrosol and hydroxytyrosol derivatives in extra virgin olive oil by microwave-assisted hydrolysis and HPLC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 2193-2201.	3.7	32

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19	Molecular species fingerprinting and quantitative analysis of saffron ( <i>Crocus sativus</i> L.) for quality control by MALDI mass spectrometry. <i>RSC Advances</i> , 2018, 8, 36104-36113.	3.6	31
20	Recovery of bruteridin and melitidin from clarified bergamot juice by membrane operations. <i>Journal of Food Process Engineering</i> , 2018, 41, e12870.	2.9	5
21	Assay of lovastatin containing dietary supplement by LC-MS/MS under MRM condition. <i>Journal of Mass Spectrometry</i> , 2018, 53, 811-816.	1.6	10
22	Highly efficient temperature-dependent chiral separation with a nucleotide-based coordination polymer. <i>Chemical Communications</i> , 2018, 54, 6356-6359.	4.1	19
23	Rapid assay of resveratrol in red wine by paper spray tandem mass spectrometry and isotope dilution. <i>Food Chemistry</i> , 2017, 229, 354-357.	8.2	38
24	Rapid discrimination of bergamot essential oil by paper spray mass spectrometry and chemometric analysis. <i>Journal of Mass Spectrometry</i> , 2016, 51, 761-767.	1.6	18
25	Fast analysis of caffeine in beverages and drugs by paper spray tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 3783-3787.	3.7	21
26	Determination of ketosteroid hormones in meat by liquid chromatography tandem mass spectrometry and derivatization chemistry. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 5835-5842.	3.7	36
27	Homochiral self-assembly of biocoordination polymers: anion-triggered helicity and absolute configuration inversion. <i>Chemical Science</i> , 2015, 6, 4300-4305.	7.4	29
28	A major allergen in rainbow trout ( <i>Oncorhynchus mykiss</i> ): complete sequences of parvalbumin by MALDI tandem mass spectrometry. <i>Molecular BioSystems</i> , 2015, 11, 2373-2382.	2.9	43
29	Structural Characterisation of Malonyl Flavonols in Leek ( <i>Allium porrum</i> L.) Using High-performance Liquid Chromatography and Mass Spectrometry. <i>Phytochemical Analysis</i> , 2014, 25, 207-212.	2.4	14
30	N-hydroxysuccinimidyl p-methoxybenzoate as suitable derivative reagent for isotopic dilution assay of biogenic amines in food. <i>Journal of Mass Spectrometry</i> , 2014, 49, 802-810.	1.6	32
31	Mass spectrometry and potentiometry studies of Pb(II), Cd(II) and Zn(II)-cystine complexes. <i>Dalton Transactions</i> , 2014, 43, 1055-1062.	3.3	31
32	Detection of ochratoxin A based on the use of its diastereoisomer as an internal standard. <i>Analytical Methods</i> , 2014, 6, 5610-5614.	2.7	4
33	Mass Spectrometry-Based Proteomic Approach in <i>Oenococcus oeni</i> Enological Starter. <i>Journal of Proteome Research</i> , 2014, 13, 2856-2866.	3.7	48
34	Hypocholesterolaemic activity of 3-hydroxy-3-methyl-glutaryl flavanones enriched fraction from bergamot fruit ( <i>Citrus bergamia</i> ): <i>in vivo</i> studies. <i>Journal of Functional Foods</i> , 2014, 7, 558-568.	3.4	53
35	Evaluation of dialdehydic anti-inflammatory active principles in extra-virgin olive oil by reactive paper spray mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2013, 352, 87-91.	1.5	47
36	High-throughput determination of Sudan Azo dyes within powdered chili pepper by paper spray mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2013, 48, 544-547.	1.6	38

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37	Comprehensive assay of flavanones in citrus juices and beverages by UHPLC-ESI-MS/MS and derivatization chemistry. <i>Food Chemistry</i> , 2013, 141, 2328-2333.	8.2	44
38	Authenticity of PGI Clementine of Calabria by Multielement Fingerprint. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 3717-3726.	5.2	46
39	Assay of tyrosol and hydroxytyrosol in olive oil by tandem mass spectrometry and isotope dilution method. <i>Food Chemistry</i> , 2012, 135, 1006-1010.	8.2	46
40	Light and heavy dansyl reporter groups in food chemistry: amino acid assay in beverages. <i>Journal of Mass Spectrometry</i> , 2012, 47, 932-939.	1.6	32
41	High-Throughput Assay of Oleopentanedialdehydes in Extra Virgin Olive Oil by the UHPLC-ESI-MS/MS and Isotope Dilution Methods. <i>Analytical Chemistry</i> , 2011, 83, 1990-1995.	6.5	37
42	Recycling of industrial essential oil waste: Brutieridin and Melitidin, two anticholesterolaemic active principles from bergamot albedo. <i>Food Chemistry</i> , 2011, 125, 438-441.	8.2	32
43	The assay of pterostilbene in spiked matrices by liquid chromatography tandem mass spectrometry and isotope dilution method. <i>Journal of Mass Spectrometry</i> , 2010, 45, 358-363.	1.6	11
44	Secondary metabolites of <i>Olea europaea</i> leaves as markers for the discrimination of cultivars and cultivation zones by multivariate analysis. <i>Food Chemistry</i> , 2010, 121, 492-496.	8.2	45
45	Solid Phase Isobaric Mass Tag Reagent for Simultaneous Protein Identification and Assay. <i>Analytical Chemistry</i> , 2010, 82, 5552-5560.	6.5	35
46	A New and Expedient Total Synthesis of Ochratoxin A and d5-Ochratoxin A. <i>Synthesis</i> , 2009, 2009, 1815-1820.	2.3	12
47	Screening of dimethoate in food by isotope dilution and electrospray ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 1515-1518.	1.5	24
48	Isotope dilution method for the assay of rotenone in olive oil and river waters by liquid chromatography/multiple reaction monitoring tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 3803-3806.	1.5	10
49	Effect of H/D Isotopomerization in the Assay of Resveratrol by Tandem Mass Spectrometry and Isotope Dilution Method. <i>Analytical Chemistry</i> , 2009, 81, 8603-8609.	6.5	26
50	Statin-like Principles of Bergamot Fruit ( <i>Citrus bergamia</i> ): Isolation of 3-Hydroxymethylglutaryl Flavonoid Glycosides. <i>Journal of Natural Products</i> , 2009, 72, 1352-1354.	3.0	140
51	Oleuropein expression in olive oils produced from drupes stoned in a spring pitting apparatus (SPIA). <i>Food Chemistry</i> , 2008, 106, 677-684.	8.2	10
52	Vegetable Proteomics: The Detection of Ole e 1 Isoallergens by Peptide Matching of MALDI MS/MS Spectra of Underivatized and Dansylated Glycopeptides. <i>Journal of Proteome Research</i> , 2008, 7, 2723-2732.	3.7	36
53	Assay of the Set of All Sudan Azodye (I, II, III, IV, and Para-Red) Contaminating Agents by Liquid Chromatography-Tandem Mass Spectrometry and Isotope Dilution Methodology. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 63-67.	5.2	64
54	Synthesis of Deuterium-Labeled Azo Dyes of the Sudan Family. <i>Synthesis</i> , 2008, 2008, 459-463.	2.3	0

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55	<i>trans</i> -Resveratrol, a Molecular Tracer of the Wild-Type Phytoalexin; Synthesis and Spectroscopic Properties. <i>Synthesis</i> , 2008, 2008, 2953-2956.	2.3	6
56	High-throughput mass spectrometry: the mechanism of sudan azo dye fragmentation by ESI tandem mass spectrometry and extensive deuterium labeling experiments. <i>Journal of Mass Spectrometry</i> , 2007, 42, 1057-1061.	1.6	16
57	Secondary metabolism of olive secoiridoids. New microcomponents detected in drupes by electrospray ionization and high-resolution tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 273-278.	1.5	38
58	Characterization of new phenolic compounds from leaves of <i>Olea europaea</i> L. by high-resolution tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 3653-3657.	1.5	23
59	Exploitation of Endogenous Protease Activity in Raw Mastitic Milk by MALDI-TOF/TOF. <i>Analytical Chemistry</i> , 2007, 79, 5941-5948.	6.5	39
60	Profiling of Hydrophilic Proteins from <i>Olea europaea</i> Olive Pollen by MALDI TOF Mass Spectrometry. <i>Analytical Chemistry</i> , 2006, 78, 3434-3443.	6.5	32
61	Proteomics of bovine myelin sheath: Characterization of a truncated form of P0 by MALDI-TOF/TOF mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2006, 17, 117-123.	2.8	7
62	Gas-Phase Chemistry of the Negative Ions of Fully-Protected Peptides by High-Resolution Electrospray Ionization Tandem Mass Spectrometry. <i>European Journal of Mass Spectrometry</i> , 2005, 11, 403-408.	1.0	2
63	Assay of rotenone in river water by high-throughput tandem mass spectrometry and multiple-reaction monitoring methodology. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 1575-1577.	1.5	15
64	Absolute Method for the Assay of Oleuropein in Olive Oils by Atmospheric Pressure Chemical Ionization Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2005, 77, 5961-5964.	6.5	47
65	High-throughput assay of rotenone in olive oil using atmospheric pressure chemical ionization tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2004, 39, 1437-1440.	1.6	10
66	Self-Assembling of cytosine nucleoside into triply-bound dimers in acid Media. A comprehensive evaluation of proton-bound pyrimidine nucleosides by electrospray tandem mass spectrometry, X-rays diffractometry, and theoretical calculations. <i>Journal of the American Society for Mass Spectrometry</i> , 2004, 15, 268-279.	2.8	43
67	A comprehensive evaluation of the kinetic method applied in the determination of the proton affinity of the nucleic acid molecules. <i>Journal of the American Society for Mass Spectrometry</i> , 2004, 15, 1080-1086.	2.8	28
68	Assay of Sudan I Contamination of Foodstuff by Atmospheric Pressure Chemical Ionization Tandem Mass Spectrometry and Isotope Dilution. <i>Analytical Chemistry</i> , 2004, 76, 5104-5108.	6.5	94
69	Charge-Transfer Matrixes as a Tool To Desorb Intact Labile Molecules by Matrix-Assisted Laser Desorption/Ionization. Use of 2,7-Dimethoxynaphthalene in the Ionization of Polymetallic Porphyrins. <i>Analytical Chemistry</i> , 2004, 76, 5985-5989.	6.5	10
70	High Resolution Electrospray and Electrospray Tandem Mass Spectra of Rotenone and its Isoxazoline Cycloadducts. <i>European Journal of Mass Spectrometry</i> , 2004, 10, 691-697.	1.0	8
71	Energetics of an intracuster $\beta$ -elimination process driven by acetate anions. The case of a Fmoc-protected peptide investigated by high-resolution electrospray ionization tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2003, 38, 778-779.	1.6	4
72	Solventless Reactions of 5(4H)-Oxazolones with Umbelliferones and Selected Enolcarbonyl Compounds. <i>Synlett</i> , 2003, 2003, 1710-1712.	1.8	0

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73	Entropy effect in the evaluation of the proton affinity of N-3-benzoyl-2-deoxycytidines by the kinetic method. <i>International Journal of Mass Spectrometry</i> , 2001, 210-211, 165-172.	1.5	15
74	A simple procedure for the development of acid-labile protecting groups on position 2 and 3 of methyl $\alpha$ -D-glucopyranoside. <i>Tetrahedron Letters</i> , 1999, 40, 1013-1014.	1.4	9
75	An Integrated Approach Based on NMR and HPLC-UV-ESI-MS/MS to Characterize Apple Juices and Their Nanofiltration (NF) Bioactive Extracts. <i>Food and Bioprocess Technology</i> , 0, , 1.	4.7	2