

Carlo G Zambonin

List of Publications by Year in descending order

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99
papers

3,065
citations

159358

30
h-index

189595

50
g-index

100
all docs

100
docs citations

100
times ranked

3597
citing authors

#	ARTICLE	IF	CITATIONS
1	Solid-phase microextraction â€“ gas chromatography mass spectrometry: A fast and simple screening method for the assessment of organophosphorus pesticides residues in wine and fruit juices. <i>Food Chemistry</i> , 2004, 86, 269-274.	4.2	182
2	Assessment of lectin and HILIC based enrichment protocols for characterization of serum glycoproteins by mass spectrometry. <i>Journal of Proteomics</i> , 2008, 71, 304-317.	1.2	118
3	Determination of naproxen in human urine by solid-phase microextraction coupled to liquid chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 39, 643-647.	1.4	93
4	MALDI-TOF mass spectrometry detection of extra-virgin olive oil adulteration with hazelnut oil by analysis of phospholipids using an ionic liquid as matrix and extraction solvent. <i>Food Chemistry</i> , 2012, 134, 1192-1198.	4.2	93
5	Determination of triazines in soil leachates by solid-phase microextraction coupled to gas chromatographyâ€“mass spectrometry. <i>Journal of Chromatography A</i> , 2000, 874, 247-255.	1.8	85
6	Coupling solid-phase microextraction to liquid chromatography. A review. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 375, 73-80.	1.9	84
7	Automated high-throughput method using solid-phase microextractionâ€“liquid chromatographyâ€“tandem mass spectrometry for the determination of ochratoxin A in human urine. <i>Journal of Chromatography A</i> , 2008, 1201, 215-221.	1.8	83
8	Determination of Ochratoxin A in wine at sub ng/mL levels by solid-phase microextraction coupled to liquid chromatography with fluorescence detection. <i>Journal of Chromatography A</i> , 2006, 1115, 196-201.	1.8	78
9	Proteomic Approach Based on MALDI-TOF MS To Detect Powdered Milk in Fresh Cowâ€™s Milk. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 1609-1617.	2.4	72
10	Detection of sheep and goat milk adulterations by direct MALDIâ€“TOF MS analysis of milk tryptic digests. <i>Journal of Mass Spectrometry</i> , 2012, 47, 1141-1149.	0.7	68
11	Lactate Amperometric Biosensor Based on an Electrosynthesized Bilayer Film with Covalently Immobilized Enzyme. <i>Analyst</i> , 1997, 122, 365-369.	1.7	66
12	Solid-phase microextraction and gas chromatographyâ€“mass spectrometry for the rapid screening of triazole residues in wine and strawberries. <i>Journal of Chromatography A</i> , 2002, 967, 255-260.	1.8	66
13	Osteoblast regulation via ligand-activated nuclear trafficking of the oxytocin receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16502-16507.	3.3	63
14	Determination of clenbuterol in human urine and serum by solid-phase microextraction coupled to liquid chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 47, 641-645.	1.4	62
15	Simultaneous determination of caffeine, theobromine, theophylline, paraxanthine and nicotine in human milk by liquid chromatography with diode array UV detection. <i>Food Chemistry</i> , 2005, 93, 177-181.	4.2	61
16	Laser desorption/ionization time-of-flight mass spectrometry of triacylglycerols in oils. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 1315-1320.	0.7	59
17	Determination of sugars and alditols in food samples by HPAEC with integrated pulsed amperometric detection using alkaline eluents containing barium or strontium ions. <i>Food Chemistry</i> , 1998, 62, 109-115.	4.2	57
18	Simultaneous Determination of Ochratoxin A and Cyclopiazonic, Mycophenolic, and Tenuazonic Acids in Cornflakes by Solid-Phase Microextraction Coupled to High-Performance Liquid Chromatography. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 5232-5237.	2.4	57

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19	Functions of vasopressin and oxytocin in bone mass regulation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 164-169.	3.3	54
20	Solid-phase microextractionâ€“gas chromatography mass spectrometry and multivariate analysis for the characterization of roasted coffees. Talanta, 2005, 66, 261-265.	2.9	52
21	Solid phase microextractionâ€“Liquid chromatography (SPME-LC) determination of chloramphenicol in urine and environmental water samples. Journal of Pharmaceutical and Biomedical Analysis, 2010, 53, 440-444.	1.4	52
22	Determination of cyclopiazonic acid in cheese samples using solid-phase microextraction and high performance liquid chromatography. Food Chemistry, 2001, 75, 249-254.	4.2	50
23	Determination of Ochratoxin A in green coffee beans by solid-phase microextraction and liquid chromatography with fluorescence detection. Journal of Chromatography A, 2008, 1187, 145-150.	1.8	49
24	MALDI-TOF mass spectrometric determination of intact phospholipids as markers of illegal bovine milk adulteration of high-quality milk. Analytical and Bioanalytical Chemistry, 2013, 405, 1641-1649.	1.9	49
25	Disposable interference-free glucose biosensor based on an electropolymerised poly(pyrrole) permselective film. Analytica Chimica Acta, 2000, 420, 9-17.	2.6	48
26	Lipid fingerprinting of Gramâ€“positive lactobacilli by intact cells â€“ matrixâ€“assisted laser desorption/ionization mass spectrometry using a proton sponge based matrix. Rapid Communications in Mass Spectrometry, 2011, 25, 1757-1764.	0.7	44
27	Selective extraction of phospholipids from dairy products by micro-solid phase extraction based on titanium dioxide microcolumns followed by MALDI-TOF-MS analysis. Analytical and Bioanalytical Chemistry, 2009, 394, 1453-1461.	1.9	43
28	Impact of sample preparation in peptide/protein profiling in human serum by MALDI-TOF mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2008, 46, 157-164.	1.4	42
29	Ochratoxin A Determination in Beer by Solid-Phase Microextraction Coupled to Liquid Chromatography with Fluorescence Detection: A Fast and Sensitive Method for Assessment of Noncompliance to Legal Limits. Journal of Agricultural and Food Chemistry, 2006, 54, 1594-1598.	2.4	37
30	Optimization of analytical and pre-analytical conditions for MALDI-TOF-MS human urine protein profiles. Journal of Pharmaceutical and Biomedical Analysis, 2010, 51, 907-914.	1.4	36
31	LC-ion trap electrospray MS-MS for the determination of cyclopiazonic acid in milk samples. Analyst, The, 2002, 127, 499-502.	1.7	32
32	Solid-phase microextraction-high performance liquid chromatography and diode array detection for the determination of mycophenolic acid in cheese. Food Chemistry, 2002, 78, 249-254.	4.2	30
33	Profiling urinary metabolites of naproxen by liquid chromatographyâ€“electrospray mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2006, 41, 1312-1316.	1.4	30
34	Determination of Hidden Hazelnut Oil Proteins in Extra Virgin Olive Oil by Cold Acetone Precipitation Followed by In-Solution Tryptic Digestion and MALDI-TOF-MS Analysis. Journal of Agricultural and Food Chemistry, 2014, 62, 9401-9409.	2.4	29
35	Kinetic Investigation of the Reactions Connected to the System Ascorbate + O ₂ by Amperometric Detection of H ₂ O ₂ at a Modified Platinum Electrode. Analytical Chemistry, 1997, 69, 4113-4119.	3.2	28
36	Relationship between cancer tissue derived and exhaled volatile organic compound from colorectal cancer patients. Preliminary results. Journal of Pharmaceutical and Biomedical Analysis, 2020, 180, 113055.	1.4	27

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37	Determination of Polyphenols and Vitamins in Wine-Making by-Products by Supercritical Fluid Extraction (SFE). <i>Analytical Letters</i> , 2020, 53, 2585-2595.	1.0	27
38	Solid phase microextraction coupled to gas chromatography- mass spectrometry for the determination of the adsorption coefficients of triazines in soil. <i>Analyst, The</i> , 1998, 123, 2825-2828.	1.7	26
39	Liquid chromatographic determination of urinary 5-methyl-2â€²-deoxycytidine and pseudouridine as potential biological markers for leukaemia. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1999, 21, 1045-1051.	1.4	26
40	Analytical investigations on the lindane bioremediation capability of the demosponge <i>Hymeniacidon perlevis</i> . <i>Marine Pollution Bulletin</i> , 2015, 90, 143-149.	2.3	26
41	Determination of the immunosuppressant mycophenolic acid in human serum by solid-phase microextraction coupled to liquid chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 806, 89-93.	1.2	25
42	Detection of hazelnut oil in extraâ€virgin olive oil by analysis of polar components by microâ€solid phase extraction based on hydrophilic liquid chromatography and MALDIâ€ToF mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2010, 45, 981-988.	0.7	25
43	Determination of Ciprofloxacin, Enrofloxacin, and Marbofloxacin in Bovine Urine, Serum, and Milk by Microextraction by a Packed Sorbent Coupled to Ultra-High Performance Liquid Chromatography. <i>Analytical Letters</i> , 2019, 52, 790-802.	1.0	25
44	An electrospray ionization ion trap mass spectrometric (ESI-MS-MSn) study of dehydroascorbic acid hydrolysis at neutral pH. <i>Analyst, The</i> , 2000, 125, 2244-2248.	1.7	24
45	Laser desorption/ionization time-of-flight mass spectrometry of squalene in oil samples. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 325-327.	0.7	24
46	Occupational allergic contact dermatitis associated with dimethyl fumarate in clothing. <i>Contact Dermatitis</i> , 2009, 61, 122-124.	0.8	24
47	Double electropolymer modified platinum electrode to follow the kinetic process H ₂ O ₂ + ascorbic acid. Influence of the reaction on amperometric biosensor applications. <i>Journal of Electroanalytical Chemistry</i> , 1996, 410, 181-187.	1.9	23
48	Bovine and soybean milk bioactive compounds: Effects on inflammatory response of human intestinal Caco-2 cells. <i>Food Chemistry</i> , 2016, 210, 276-285.	4.2	23
49	Supercritical CO ₂ Extraction of Phytochemicals from Olive Pomace Subjected to Different Drying Methods. <i>Molecules</i> , 2021, 26, 598.	1.7	23
50	Simultaneous determination of salicylic, 3-methyl salicylic, 4-methyl salicylic, acetylsalicylic and benzoic acids in fruit, vegetables and derived beverages by SPMEâ€LCâ€UV/DAD. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 121, 63-68.	1.4	22
51	Determination of Major Isoflavones in Soy Drinks by Solid-Phase Micro Extraction Coupled to Liquid Chromatography. <i>Food Analytical Methods</i> , 2016, 9, 925-933.	1.3	22
52	Determination of Trans-resveratrol in Wines, Spirits, and Grape Juices Using Solid-Phase Micro Extraction Coupled to Liquid Chromatography with UV Diode-Array Detection. <i>Food Analytical Methods</i> , 2018, 11, 426-431.	1.3	22
53	Liquid chromatography with electrocatalytic detection of oxalic acid by a palladium-based glassy carbon electrode. <i>Journal of Chromatography A</i> , 1999, 833, 75-82.	1.8	21
54	Determination of methylxanthines in urine by liquid chromatography with diode array UV detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 36, 621-624.	1.4	21

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55	A Simple and Effective Mass Spectrometric Approach to Identify the Adulteration of the Mediterranean Diet Component Extra-Virgin Olive Oil with Corn Oil. <i>International Journal of Molecular Sciences</i> , 2015, 16, 20896-20912.	1.8	21
56	Solid-phase microextraction coupled to gas chromatography-mass spectrometry for the study of soil adsorption coefficients of organophosphorus pesticides. <i>Journal of Environmental Monitoring</i> , 2002, 4, 477-481.	2.1	19
57	A laser desorption ionization time-of-flight mass spectrometry investigation into triacylglycerols oxidation during thermal stressing of edible oils. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 389, 2075-2084.	1.9	19
58	Urticaria and angioedema to rubisco allergen in spinach and tomato. <i>Annals of Allergy, Asthma and Immunology</i> , 2012, 108, 60-61.	0.5	18
59	MALDI-TOF MS for quality control of high protein content sport supplements. <i>Food Chemistry</i> , 2015, 176, 396-402.	4.2	18
60	MALDI-TOF Mass Spectrometry Applications for Food Fraud Detection. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3374.	1.3	18
61	Amino-bonded silica as stationary phase for liquid chromatographic determination of cyclopiazonic acid in fungal extracts. <i>Journal of Chromatography A</i> , 2002, 955, 79-86.	1.8	17
62	Determination of ochratoxin A in human urine by solid-phase microextraction coupled with liquid chromatography-fluorescence detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 44, 1014-1018.	1.4	17
63	Recent Applications of Solid Phase Microextraction Coupled to Liquid Chromatography. <i>Separations</i> , 2021, 8, 34.	1.1	17
64	Electrospray ionization mass spectrometry of 5-methyl-2â€²-deoxycytidine and its determination in urine by liquid chromatography/electrospray ionization tandem mass spectrometry. , 1999, 13, 2160-2165.		16
65	Determination of delorazepam in urine by solid-phase microextraction coupled to high performance liquid chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 28, 965-972.	1.4	16
66	SPME-LC with UV detection to study delorazepamâ€™serum albumin interactions. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 29, 895-900.	1.4	13
67	Simultaneous determination of free mycophenolic acid and its glucuronide in serum of patients under mycophenolate mophetil therapy by ion-pair reversed-phase liquid chromatography with diode array UV detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 810, 197-202.	1.2	13
68	Simultaneous determination of 5â€²-deoxy-5-fluorouridine, 5-fluorouracil and 5,6-dihydro-5-fluorouracil in serum by liquid chromatography with diode array UV detection. <i>Analytica Chimica Acta</i> , 1994, 296, 43-50.	2.6	12
69	Simultaneous determination of pseudouridine, neopterin and creatinine in urine by ion-pair high-performance liquid chromatography with in-series ultraviolet and fluorescence detection. <i>Analyst</i> , The, 1995, 120, 2185.	1.7	12
70	Degradation of chlortoluron in water disinfection processes: a kinetic study. <i>Journal of Environmental Monitoring</i> , 2000, 2, 582-586.	2.1	12
71	Occupational contact dermatitis to a limonene-based solvent in a histopathology technician. <i>Contact Dermatitis</i> , 2007, 56, 109-112.	0.8	12
72	Development of a direct inâ€matrix extraction (DIME) protocol for MALDIâ€TOFâ€MS detection of glycosylated phospholipids in heatâ€reated food samples. <i>Journal of Mass Spectrometry</i> , 2014, 49, 831-839.	0.7	12

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73	Determination of Î±-Tocopherol in Olive Oil by Solid-Phase Microextraction and Gas Chromatography-Mass Spectrometry. <i>Analytical Letters</i> , 2017, 50, 1580-1592.	1.0	12
74	Simultaneous determination of 5-Î²-deoxy-5-fluorouridine, 5-fluorouracil and 5,6-dihydro-5-fluorouracil in plasma by gas chromatography-mass spectrometry. <i>Analytica Chimica Acta</i> , 1996, 329, 143-152.	2.6	11
75	In vitro toxicity of N3-methyl-5-Î²-deoxy-5-fluorouridine, a novel metabolite of doxifluridine: a bioanalytical investigation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1998, 17, 11-16.	1.4	11
76	Analysis of Organochlorine Pesticides by Solid-Phase Microextraction followed by Gas Chromatography-Mass Spectrometry. <i>International Journal of Environmental Analytical Chemistry</i> , 2002, 82, 651-657.	1.8	11
77	Ultra-trace measurement of Dechloranes to investigate food as a route of human exposure. <i>Chemosphere</i> , 2015, 139, 525-533.	4.2	11
78	MALDI-TOF/MS Analysis of Non-Invasive Human Urine and Saliva Samples for the Identification of New Cancer Biomarkers. <i>Molecules</i> , 2022, 27, 1925.	1.7	11
79	Targeting mitochondrial metabolite transporters in <i>Penicillium expansum</i> for reducing patulin production. <i>Plant Physiology and Biochemistry</i> , 2021, 158, 158-181.	2.8	10
80	A matrix assisted laser desorption ionization time-of-flight mass spectrometry investigation to assess the composition of cod liver oil based products which displayed a different in vivo allergenic power. <i>Food and Chemical Toxicology</i> , 2008, 46, 3580-3585.	1.8	9
81	Gas chromatography-mass spectrometry identification of a novel N 3 -methylated metabolite of 5-Î²-deoxy-5-fluorouridine in plasma of cancer patients undergoing chemotherapy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1996, 14, 1521-1528.	1.4	8
82	Proteomic Analysis of Complex Protein Samples by MALDI-TOF Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2014, 1129, 365-380.	0.4	7
83	Ultra-Trace Determination of Sudan I, II, III, and IV in Wastewater by Solid-Phase Microextraction (SPME) and on-Line Solid-Phase Extraction (SPE) with High-Performance Liquid Chromatography (HPLC). <i>Analytical Letters</i> , 2020, 53, 2559-2570.	1.0	7
84	Derivatization reactions for gas chromatography/mass spectrometry determination of N3-methyl-5-Î²-deoxy-5-fluorouridine. <i>Rapid Communications in Mass Spectrometry</i> , 1997, 11, 1529-1535.	0.7	6
85	Determination of Isoflavones in Soybean Flour by Matrix Solid-Phase Dispersion Extraction and Liquid Chromatography with UV-Diode Array Detection. <i>Journal of Food Quality</i> , 2017, 2017, 1-5.	1.4	6
86	Measurement of squalene in olive oil by fractional crystallization or headspace solid phase microextraction coupled with gas chromatography. <i>International Journal of Food Properties</i> , 2020, 23, 1845-1853.	1.3	6
87	Development, Optimization, and Comparison of Different Sample Pre-Treatments for Simultaneous Determination of Vitamin E and Vitamin K in Vegetables. <i>Molecules</i> , 2020, 25, 2509.	1.7	6
88	Advanced Gel Permeation Chromatography system with increased loading capacity: Polycyclic aromatic hydrocarbons detection in olive oil as a case of study. <i>Journal of Chromatography A</i> , 2021, 1639, 461920.	1.8	6
89	Highly selective palladium-benzothiazole carbene-catalyzed allylation of active methylene compounds under neutral conditions. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 994-999.	1.3	5
90	Determination of VOCs in Surgical Resected Tissues from Colorectal Cancer Patients by Solid Phase Microextraction Coupled to Gas Chromatography-Mass Spectrometry. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6910.	1.3	5

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91	Determination of Commercial Animal and Vegetable Milksâ€™ Lipid Profile and Its Correlation with Cell Viability and Antioxidant Activity on Human Intestinal Caco-2 Cells. <i>Molecules</i> , 2021, 26, 5645.	1.7	5
92	MALDI-TOF/MS Analysis of Extracellular Vesicles Released by Cancer Cells. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 6149.	1.3	5
93	MALDI-Q-TOF-MS Ionization and Fragmentation of Phospholipids and Neutral Lipids of Dairy Interest Using Variable Doping Salts. <i>Journal of Advances in Dairy Research</i> , 2013, 01, .	0.5	3
94	MALDI-MS and HILIC ESI-MS/MS as Versatile Tools for Detection of Monoethanolamine Degradation Products in a Real Postcombustion Carbon Dioxide Capture Plant. <i>Energy & Fuels</i> , 2014, 28, 1295-1303.	2.5	3
95	Photoallergic contact dermatitis caused by wooden catholic bracelets: A report of two cases. <i>Contact Dermatitis</i> , 2020, 83, 71-73.	0.8	3
96	Determination of hydroxytyrosol and tyrosol in human urine after intake of extra virgin olive oil produced with an ultrasounds-based technology. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 203, 114204.	1.4	3
97	Volatile Organic Compounds, Indole, and Biogenic Amines Assessment in Two Mediterranean Irciniidae (Porifera, Demospongiae). <i>Marine Drugs</i> , 2021, 19, 711.	2.2	3
98	Solid-phase microextraction and on-fiber derivatization for assessment of mammalian and vegetable milks with emphasis on the content of major phytoestrogens. <i>Scientific Reports</i> , 2019, 9, 6398.	1.6	2
99	Determination of N3-methyl-5â€²-deoxy-5-fluorouridine, a novel metabolite of doxifluridine, in body fluids by high performance liquid chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1998, 17, 291-297.	1.4	0