

Carlo G Zambonin

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97 papers	2,564 citations	29 h-index	46 g-index
100 ext. papers	2,799 ext. citations	4.4 avg, IF	5.13 L-index

#	Paper	IF	Citations
97	Solid-phase microextraction 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	8.5	159
96	Assessment of lectin and HILIC based enrichment protocols for characterization of serum glycoproteins by mass spectrometry. <i>Journal of Proteomics</i> , 2008 , 71, 304-17	3.9	110
95	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, 1192-8	8.5	83
94	Determination of naproxen in human urine by solid-phase microextraction coupled to liquid chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005 , 39, 643-7	3.5	83
93	Determination of triazines in soil leachates by solid-phase microextraction coupled to gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2000 , 874, 247-55	4.5	79
92	Automated high-throughput method using solid-phase microextraction-liquid chromatography-tandem mass spectrometry for the determination of ochratoxin A in human urine. <i>Journal of Chromatography A</i> , 2008 , 1201, 215-21	4.5	78
91	Coupling solid-phase microextraction to liquid chromatography. A review. <i>Analytical and Bioanalytical Chemistry</i> , 2003 , 375, 73-80	4.4	78
90	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	4.5	73
89	Proteomic approach based on MALDI-TOF MS to detect powdered milk in fresh cow's milk. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 1609-17	5.7	64
88	Solid-phase microextraction and gas chromatography-mass spectrometry for the rapid screening of triazole residues in wine and strawberries. <i>Journal of Chromatography A</i> , 2002 , 967, 255-60	4.5	63
87	Lactate Amperometric Biosensor Based on an Electrosynthesized Bilayer Film with Covalently Immobilized Enzyme. <i>Analyst, The</i> , 1997 , 122, 365-369	5	62
86	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, 641-5	3.5	58
85	Detection of sheep and goat milk adulterations by direct MALDI-TOF MS analysis of milk tryptic digests. <i>Journal of Mass Spectrometry</i> , 2012 , 47, 1141-9	2.2	55
84	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	8.5	55
83	Laser desorption/ionization time-of-flight mass spectrometry of triacylglycerols in oils. <i>Rapid Communications in Mass Spectrometry</i> , 2005 , 19, 1315-20	2.2	53
82	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	8.5	50
81	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, 5232-7	5.7	48

80	Solid phase microextraction-liquid chromatography (SPME-LC) determination of chloramphenicol in urine and environmental water samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010 , 53, 440-4	3.5	46
79	Solid-phase microextraction-gas chromatography mass spectrometry and multivariate analysis for the characterization of roasted coffees. <i>Talanta</i> , 2005 , 66, 261-5	6.2	46
78	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, 16502-7	11.5	45
77	MALDI-TOF mass spectrometric determination of intact phospholipids as markers of illegal bovine milk adulteration of high-quality milk. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 1641-9	4.4	44
76	Determination of cyclopiazonic acid in cheese samples using solid-phase microextraction and high performance liquid chromatography. <i>Food Chemistry</i> , 2001 , 75, 249-254	8.5	44
75	Disposable interference-free glucose biosensor based on an electropolymerised poly(pyrrole) permselective film. <i>Analytica Chimica Acta</i> , 2000 , 420, 9-17	6.6	42
74	Impact of sample preparation in peptide/protein profiling in human serum by MALDI-TOF mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008 , 46, 157-64	3.5	39
73	Functions of vasopressin and oxytocin in bone mass regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 164-9	11.5	38
72	Lipid fingerprinting of gram-positive lactobacilli by intact-matrix-assisted laser desorption/ionization mass spectrometry using a proton sponge based matrix. <i>Rapid Communications in Mass Spectrometry</i> , 2011 , 25, 1757-64	2.2	38
71	Determination of ochratoxin A in green coffee beans by solid-phase microextraction and liquid chromatography with fluorescence detection. <i>Journal of Chromatography A</i> , 2008 , 1187, 145-50	4.5	38
70	Selective extraction of phospholipids from dairy products by micro-solid phase extraction based on titanium dioxide microcolumns followed by MALDI-TOF-MS analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 394, 1453-61	4.4	37
69	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. <i>Journal of Agricultural and Food Chemistry</i> , 2006 , 54, 1594-8	5.7	34
68	Optimization of analytical and pre-analytical conditions for MALDI-TOF-MS human urine protein profiles. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010 , 51, 907-14	3.5	29
67	LC-ion trap electrospray MS-MS for the determination of cyclopiazonic acid in milk samples. <i>Analyst</i> , 2002 , 127, 499-502	5	27
66	Profiling urinary metabolites of naproxen by liquid chromatography-electrospray mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006 , 41, 1312-6	3.5	26
65	Solid-phase microextraction-high performance liquid chromatography and diode array detection for the determination of mycophenolic acid in cheese. <i>Food Chemistry</i> , 2002 , 78, 249-254	8.5	26
64	Liquid chromatographic determination of urinary 5-methyl-2Rdeoxycytidine and pseudouridine as potential biological markers for leukaemia. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1999 , 21, 1045-51	3.5	25
63	Occupational allergic contact dermatitis associated with dimethyl fumarate in clothing. <i>Contact Dermatitis</i> , 2009 , 61, 122-4	2.7	23

62	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	5	23
61	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. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 9401-9	5.7	22
60	Laser desorption/ionization time-of-flight mass spectrometry of squalene in oil samples. <i>Rapid Communications in Mass Spectrometry</i> , 2006 , 20, 325-7	2.2	22
59	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	3.2	22
58	Detection of hazelnut oil in extra-virgin olive oil by analysis of polar components by micro-solid phase extraction based on hydrophilic liquid chromatography and MALDI-ToF mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2010 , 45, 981-8	2.2	21
57	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. <i>Analytical Chemistry</i> , 1997 , 69, 4113-4119	7.8	21
56	Determination of methylxanthines in urine by liquid chromatography with diode array UV detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004 , 36, 621-4	3.5	21
55	Simultaneous determination of salicylic, 3-methyl salicylic, 4-methyl salicylic, acetylsalicylic and benzoic acids in fruit, vegetables and derived beverages by SPME-LC-UV/DAD. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 121, 63-68	3.5	20
54	An electrospray ionization ion trap mass spectrometric (ESI-MS-MSn) study of dehydroascorbic acid hydrolysis at neutral pH. <i>Analyst, The</i> , 2000 , 125, 2244-8	5	19
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	4.5	19
52	Bovine and soybean milk bioactive compounds: Effects on inflammatory response of human intestinal Caco-2 cells. <i>Food Chemistry</i> , 2016 , 210, 276-85	8.5	19
51	Analytical investigations on the lindane bioremediation capability of the demosponge <i>Hymeniacidon perlevis</i> . <i>Marine Pollution Bulletin</i> , 2015 , 90, 143-9	6.7	18
50	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	4.1	18
49	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	3.4	17
48	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, 20896-912	6.3	17
47	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, 2075-84	4.4	17
46	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, 1014-8	3.5	16
45	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	4.5	16

44	Electrospray ionization mass spectrometry of 5-methyl-2Rdeoxycytidine and its determination in urine by liquid chromatography/electrospray ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1999 , 13, 2160-5	2.2	16
43	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	3.4	16
42	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, 965-72	2.5	15
41	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	2.2	15
40	SPME-LC with UV detection to study delorazepam-serum albumin interactions. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002 , 29, 895-900	3.5	13
39	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, 477-81		13
38	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	3.2	13
37	MALDI-TOF MS for quality control of high protein content sport supplements. <i>Food Chemistry</i> , 2015 , 176, 396-402	8.5	12
36	Development of a direct in-matrix extraction (DIME) protocol for MALDI-TOF-MS detection of glycosylated phospholipids in heat-treated food samples. <i>Journal of Mass Spectrometry</i> , 2014 , 49, 831-9	2.2	12
35	Simultaneous determination of 5?-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	6.6	12
34	Urticaria and angioedema to rubisco allergen in spinach and tomato. <i>Annals of Allergy, Asthma and Immunology</i> , 2012 , 108, 60-61	3.2	11
33	Degradation of chlortoluron in water disinfection processes: a kinetic study. <i>Journal of Environmental Monitoring</i> , 2000 , 2, 582-6		11
32	Occupational contact dermatitis to a limonene-based solvent in a histopathology technician. <i>Contact Dermatitis</i> , 2007 , 56, 109-12	2.7	10
31	Simultaneous determination of 5?-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	6.6	10
30	Ultra-trace measurement of Dechloranes to investigate food as a route of human exposure. <i>Chemosphere</i> , 2015 , 139, 525-33	8.4	9
29	In vitro toxicity of N3-methyl-5Rdeoxy-5-fluorouridine, a novel metabolite of doxifluridine: a bioanalytical investigation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1998 , 17, 11-6	3.5	9
28	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, The</i> , 1995 , 120, 2185-9	5	9
27	Relationship between cancer tissue derived and exhaled volatile organic compound from colorectal cancer patients. Preliminary results. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020 , 180, 113053	3.5	9

26	Determination of α -Tocopherol in Olive Oil by Solid-Phase Microextraction and Gas Chromatography-Mass Spectrometry. <i>Analytical Letters</i> , 2017 , 50, 1580-1592	2.2	8
25	Proteomic analysis of complex protein samples by MALDI-TOF mass spectrometry. <i>Methods in Molecular Biology</i> , 2014 , 1129, 365-80	1.4	7
24	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, 3580-5	4.7	7
23	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	7
22	Supercritical CO Extraction of Phytocompounds from Olive Pomace Subjected to Different Drying Methods. <i>Molecules</i> , 2021 , 26,	4.8	7
21	Gas chromatography-mass spectrometry identification of a novel N3-methylated metabolite of 5Rdeoxy-5-fluorouridine in plasma of cancer patients undergoing chemotherapy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1996 , 14, 1521-8	3.5	6
20	Determination of Polyphenols and Vitamins in Wine-Making by-Products by Supercritical Fluid Extraction (SFE). <i>Analytical Letters</i> , 2020 , 53, 2585-2595	2.2	6
19	Targeting mitochondrial metabolite transporters in <i>Penicillium expansum</i> for reducing patulin production. <i>Plant Physiology and Biochemistry</i> , 2021 , 158, 158-181	5.4	6
18	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	2.7	5
17	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	3	5
16	Recent Applications of Solid Phase Microextraction Coupled to Liquid Chromatography. <i>Separations</i> , 2021 , 8, 34	3.1	5
15	MALDI-TOF Mass Spectrometry Applications for Food Fraud Detection. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 3374	2.6	5
14	Highly selective palladium-benzothiazole carbene-catalyzed allylation of active methylene compounds under neutral conditions. <i>Beilstein Journal of Organic Chemistry</i> , 2015 , 11, 994-9	2.5	4
13	Derivatization reactions for gas chromatography/mass spectrometry determination of N3-methyl-5?-deoxy-5-fluorouridine. <i>Rapid Communications in Mass Spectrometry</i> , 1997 , 11, 1529-1535	2.2	4
12	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	2.2	4
11	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,	4.8	3
10	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	3
9	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 ^{4.9}	4.9	2

8	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	4.1	2
7	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	3.5	2
6	Photoallergic contact dermatitis caused by wooden catholic bracelets: A report of two cases. <i>Contact Dermatitis</i> , 2020 , 83, 71-73	2.7	1
5	Determination of VOCs in Surgical Resected Tissues from Colorectal Cancer Patients by Solid Phase Microextraction Coupled to Gas ChromatographyMass Spectrometry. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 6910	2.6	1
4	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	4.5	1
3	Determination of Commercial Animal and Vegetable MilksRLipid Profile and Its Correlation with Cell Viability and Antioxidant Activity on Human Intestinal Caco-2 Cells. <i>Molecules</i> , 2021 , 26,	4.8	1
2	MALDI Mass Spectrometry: A Promising Non-Chromatographic Technique 2017 , 393-411		
1	Determination of N3-methyl-5Rdeoxy-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, 291-7	3.5	