

Alessandra Gentili

List of Publications by Year in descending order

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102
papers

4,177
citations

126901

33
h-index

118840

62
g-index

106
all docs

106
docs citations

106
times ranked

4266
citing authors

#	ARTICLE	IF	CITATIONS
1	Monitoring Natural and Synthetic Estrogens at Activated Sludge Sewage Treatment Plants and in a Receiving River Water. <i>Environmental Science & Technology</i> , 2000, 34, 5059-5066.	10.0	834
2	Fate of natural estrogen conjugates in municipal sewage transport and treatment facilities. <i>Science of the Total Environment</i> , 2003, 302, 199-209.	8.0	503
3	Liquid chromatography-tandem mass spectrometry for performing confirmatory analysis of veterinary drugs in animal-food products. <i>TrAC - Trends in Analytical Chemistry</i> , 2005, 24, 704-733.	11.4	143
4	Recent advancements and future trends in environmental analysis: Sample preparation, liquid chromatography and mass spectrometry. <i>Analytica Chimica Acta</i> , 2017, 983, 9-41.	5.4	110
5	Remediation of hexavalent chromium contaminated water through zero-valent iron nanoparticles and effects on tomato plant growth performance. <i>Scientific Reports</i> , 2020, 10, 1920.	3.3	104
6	Analysis of free estrogens and their conjugates in sewage and river waters by solid-phase extraction then liquid chromatography-electrospray-tandem mass spectrometry. <i>Chromatographia</i> , 2002, 56, 25-32.	1.3	96
7	Evaluation of a method based on liquid chromatography-diode array detector-tandem mass spectrometry for a rapid and comprehensive characterization of the fat-soluble vitamin and carotenoid profile of selected plant foods. <i>Journal of Chromatography A</i> , 2011, 1218, 684-697.	3.7	83
8	Accelerated Solvent Extraction and Confirmatory Analysis of Sulfonamide Residues in Raw Meat and Infant Foods by Liquid Chromatography Electro-spray Tandem Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 4614-4624.	5.2	81
9	Simultaneous determination of water-soluble vitamins in selected food matrices by liquid chromatography/electrospray ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 2029-2043.	1.5	81
10	Comprehensive Profiling of Carotenoids and Fat-Soluble Vitamins in Milk from Different Animal Species by LC-DAD-MS/MS Hyphenation. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 1628-1639.	5.2	80
11	Advanced analytical techniques for fat-soluble vitamin analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 87, 82-97.	11.4	72
12	Quadrupole time-of-flight versus triple-quadrupole mass spectrometry for the determination of non-steroidal anti-inflammatory drugs in surface water by liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 879-886.	1.5	69
13	Sulphonamide Residues in Italian Surface and Drinking Waters: A Small Scale Reconnaissance. <i>Chromatographia</i> , 2006, 63, 225-232.	1.3	68
14	LC-MS-MS Determination of Stabilizers and Explosives Residues in Hand-Swabs. <i>Chromatographia</i> , 2008, 68, 517-524.	1.3	67
15	Applications of evolved gas analysis Part 2: EGA by mass spectrometry. <i>Talanta</i> , 2006, 69, 781-794.	5.5	66
16	First interlaboratory exercise on non-steroidal anti-inflammatory drugs analysis in environmental samples. <i>Talanta</i> , 2008, 76, 580-590.	5.5	56
17	Cyclodextrin-based sorbents for solid phase extraction. <i>Journal of Chromatography A</i> , 2020, 1609, 460654.	3.7	55
18	Determination of non-steroidal anti-inflammatory drugs in environmental samples by chromatographic and electrophoretic techniques. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 1185-1202.	3.7	54

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19	Solid-phase extraction followed by high-performance liquid chromatography–ionspray interface–mass spectrometry for monitoring of herbicides in environmental water. <i>Journal of Chromatography A</i> , 2000, 874, 187-198.	3.7	53
20	An electrochemical ELISA procedure for the screening of 17 β -estradiol in urban waste waters. <i>Analyst</i> , 2002, 127, 1333-1337.	3.5	53
21	LC-MS methods for analyzing anti-inflammatory drugs in animal-food products. <i>TrAC - Trends in Analytical Chemistry</i> , 2007, 26, 595-608.	11.4	53
22	Rapid, high performance method for the determination of vitamin K1, menaquinone-4 and vitamin K1 2,3-epoxide in human serum and plasma using liquid chromatography-hybrid quadrupole linear ion trap mass spectrometry. <i>Journal of Chromatography A</i> , 2014, 1338, 102-110.	3.7	53
23	Development and validation of two multiresidue liquid chromatography tandem mass spectrometry methods based on a versatile extraction procedure for isolating non-steroidal anti-inflammatory drugs from bovine milk and muscle tissue. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 1375-1388.	3.7	51
24	Determination of free fatty acids in chocolate by liquid chromatography with tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 1989-1994.	1.5	45
25	Analysis of Enantiomers in Products of Food Interest. <i>Molecules</i> , 2019, 24, 1119.	3.8	42
26	Applications of evolved gas analysisPart 1: EGA by infrared spectroscopy. <i>Talanta</i> , 2006, 68, 489-496.	5.5	41
27	Choline-chloride and betaine-based deep eutectic solvents for green extraction of nutraceutical compounds from spent coffee ground. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 189, 113421.	2.8	40
28	Simultaneous Determination of Trichothecenes A, B, and D in Maize Food Products by LC–MS–MS. <i>Chromatographia</i> , 2007, 66, 669-676.	1.3	37
29	Determination of phenoxyacid herbicides and their phenolic metabolites in surface and drinking water. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 134-141.	1.5	35
30	MSPD Extraction of Sulphonamides from Meat followed by LC Tandem MS Determination. <i>Chromatographia</i> , 2007, 65, 757-761.	1.3	35
31	MS techniques for analyzing phenols, their metabolites and transformation products of environmental interest. <i>TrAC - Trends in Analytical Chemistry</i> , 2008, 27, 888-903.	11.4	35
32	A low transition temperature mixture for the dispersive liquid-liquid microextraction of pesticides from surface waters. <i>Journal of Chromatography A</i> , 2019, 1605, 360329.	3.7	35
33	Multiresidue Method for Determination of Post-Emergence Herbicides in Water by HPLC/ESI/MS in Positive Ionization Mode. <i>Environmental Science & Technology</i> , 1998, 32, 1340-1347.	10.0	34
34	Evaluation of oxidized buckypaper as material for the solid phase extraction of cobalamins from milk: Its efficacy as individual and support sorbent of a hydrophilic–lipophilic balance copolymer. <i>Journal of Chromatography A</i> , 2016, 1428, 255-266.	3.7	33
35	Application of deep eutectic solvents for the extraction of phenolic compounds from extra–virgin olive oil. <i>Electrophoresis</i> , 2020, 41, 1752-1759.	2.4	32
36	Development of a method based on liquid chromatography–electrospray mass spectrometry for analyzing imidazolinone herbicides in environmental water at part-per-trillion levels. <i>Journal of Chromatography A</i> , 1998, 800, 109-119.	3.7	31

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37	Screening of Carotenoids in Tomato Fruits by Using Liquid Chromatography with Diode Array–Linear Ion Trap Mass Spectrometry Detection. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 7428-7439.	5.2	29
38	Dispersive liquid-liquid microextraction using a low transition temperature mixture and liquid chromatography-mass spectrometry analysis of pesticides in urine samples. <i>Journal of Chromatography A</i> , 2021, 1642, 462036.	3.7	29
39	Liquid chromatography–tandem mass spectrometry method for the determination of vitamin K homologues in human milk after overnight cold saponification. <i>Journal of Food Composition and Analysis</i> , 2016, 47, 21-30.	3.9	27
40	Extraction of Carotenoids and Fat-Soluble Vitamins from <i>Tetrademus Obliquus</i> Microalgae: An Optimized Approach by Using Supercritical CO ₂ . <i>Molecules</i> , 2019, 24, 2581.	3.8	27
41	Simultaneous determination of base/neutral and acid herbicides in natural water at the part per trillion level. <i>Chromatographia</i> , 1998, 48, 497-505.	1.3	26
42	Anti-Candida Biofilm Activity of Pterostilbene or Crude Extract from Non-Fermented Grape Pomace Entrapped in Biopolymeric Nanoparticles. <i>Molecules</i> , 2019, 24, 2070.	3.8	26
43	Dispersive liquid-liquid microextraction, an effective tool for the determination of synthetic cannabinoids in oral fluid by liquid chromatography–tandem mass spectrometry. <i>Journal of Pharmaceutical Analysis</i> , 2021, 11, 292-298.	5.3	25
44	Veterinary drugs residues: a review of the latest analytical research on sample preparation and LC-MS based methods. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2017, 34, 1-19.	2.3	24
45	Determination of arylphenoxypropionic herbicides in water by liquid chromatography–electrospray mass spectrometry. <i>Journal of Chromatography A</i> , 1998, 813, 285-297.	3.7	23
46	Oxidized Buckypaper for Stir-Disc Solid Phase Extraction: Evaluation of Several Classes of Environmental Pollutants Recovered from Surface Water Samples. <i>Analytical Chemistry</i> , 2018, 90, 6827-6834.	6.5	23
47	Phytochemical profile of <i>Euphorbia peplus</i> L. collected in Central Italy and NMR semi-quantitative analysis of the diterpenoid fraction. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 160, 152-159.	2.8	23
48	Residue analysis of glucocorticoids in bovine milk by liquid chromatography–tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 2477-2490.	3.7	22
49	Quantitative profiling of retinyl esters in milk from different ruminant species by using high performance liquid chromatography-diode array detection-tandem mass spectrometry. <i>Food Chemistry</i> , 2016, 211, 455-464.	8.2	22
50	Chitosan–Graphene Oxide Composite Membranes for Solid-Phase Extraction of Pesticides. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8374.	4.1	22
51	Transition from molecular- to nano-scale segregation in a deep eutectic solvent - water mixture. <i>Journal of Molecular Liquids</i> , 2021, 331, 115747.	4.9	21
52	Hydrophobic Eutectic Solvent with Antioxidant Properties: Application for the Dispersive Liquid–Liquid Microextraction of Fat-Soluble Micronutrients from Fruit Juices. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 8170-8178.	6.7	20
53	Development of a method based on accelerated solvent extraction and liquid chromatography/mass spectrometry for determination of arylphenoxypropionic herbicides in soil. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 393-400.	1.5	19
54	Non-aqueous reversed-phase liquid-chromatography of tocopherols and tocotrienols and their mass spectrometric quantification in pecan nuts. <i>Journal of Food Composition and Analysis</i> , 2017, 64, 171-180.	3.9	19

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55	Comparative study on enantiomer resolving ability of amylose tris(3-chloro-5-methylphenylcarbamate) covalently immobilized onto silica in nano-liquid chromatography and capillary electrochromatography. <i>Journal of Chromatography A</i> , 2019, 1606, 460425.	3.7	19
56	High- and low-resolution mass spectrometry coupled to liquid chromatography as confirmatory methods of anabolic residues in crude meat and infant foods. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 1845-1854.	1.5	18
57	Screening and Assessment of Low-Molecular-Weight Biomarkers of Milk from Cow and Water Buffalo: An Alternative Approach for the Rapid Identification of Adulterated Water Buffalo Mozzarellas. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 5410-5417.	5.2	18
58	Pressurized Liquid Extraction Coupled with LC-ESI-MS-MS for the Determination of Herbicides Chlormequat and Mepiquat in Flours. <i>Chromatographia</i> , 2009, 70, 761-767.	1.3	17
59	Occurrence of non-steroidal anti-inflammatory drugs in surface waters of Central Italy by liquid chromatography-tandem mass spectrometry. <i>International Journal of Environmental Analytical Chemistry</i> , 2015, 95, 685-697.	3.3	16
60	Anatomy of a deep eutectic solvent: structural properties of choline chloride-sesamol 1:3 compared to reline. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 11746-11754.	2.8	16
61	A physico-chemical approach to the study of genipin crosslinking of biofabricated peptide hydrogels. <i>Process Biochemistry</i> , 2018, 70, 110-116.	3.7	15
62	Nano-liquid chromatography for enantiomers separation of baclofen by using vancomycin silica stationary phase. <i>Journal of Chromatography A</i> , 2019, 1605, 360358.	3.7	15
63	Fate of a Deep Eutectic Solvent upon Cosolvent Addition: Choline Chloride-Sesamol 1:3 Mixtures with Methanol. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 12252-12261.	6.7	15
64	Analysis of antithyroid drugs in surface water by using liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2014, 1367, 78-89.	3.7	14
65	Solubilization properties and structural characterization of dissociated HgO and HgCl ₂ in deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2021, 329, 115505.	4.9	14
66	Monitoring of pesticides in surface water: Off-line SPE followed by HPLC with UV detection and confirmatory analysis by mass spectrometry. <i>Chromatographia</i> , 2001, 53, 244-250.	1.3	13
67	Application of a Low Transition Temperature Mixture for the Dispersive Liquid-Liquid Microextraction of Illicit Drugs from Urine Samples. <i>Molecules</i> , 2021, 26, 5222.	3.8	13
68	Hydrophobic Eutectic Solvent-Based Dispersive Liquid-Liquid Microextraction Applied to the Analysis of Pesticides in Wine. <i>Molecules</i> , 2022, 27, 908.	3.8	13
69	Determination of target fat-soluble micronutrients in rainbow trout's muscle and liver tissues by liquid chromatography with diode array-tandem mass spectrometry detection. <i>Electrophoresis</i> , 2017, 38, 886-896.	2.4	12
70	Thermal stability and activity of <i>Candida cylindracea</i> lipase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 1997, 3, 43-49.	1.8	10
71	Rotating-disc micro-solid phase extraction of F2-isoprostanes from maternal and cord plasma by using oxidized buckypaper as sorbent membrane. <i>Journal of Chromatography A</i> , 2019, 1586, 30-39.	3.7	10
72	Further study on enantiomer resolving ability of amylose tris(3-chloro-5-methylphenylcarbamate) covalently immobilized onto silica in nano-liquid chromatography and capillary electrochromatography. <i>Journal of Chromatography A</i> , 2020, 1623, 461213.	3.7	10

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73	Multi-residue determination of organic micro-pollutants in river sediment by stir-disc solid phase extraction based on oxidized buckypaper. <i>Journal of Chromatography A</i> , 2020, 1621, 461080.	3.7	10
74	Large-scale profiling of carotenoids by using non aqueous reversed phase liquid chromatography “ photodiode array detection “ triple quadrupole linear ion trap mass spectrometry: Application to some varieties of sweet pepper (<i>Capsicum annuum</i> L.). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 164, 759-767.	2.8	9
75	Chiral separation and analysis of antifungal drugs by chromatographic and electromigration techniques: Results achieved in 2010“2020. <i>Reviews in Analytical Chemistry</i> , 2021, 40, 220-252.	3.2	9
76	Rapid and simple method for extraction and determination of imidazolinone herbicides in soil. <i>Analisis - European Journal of Analytical Chemistry</i> , 1998, 26, 251-255.	0.4	9
77	Structural Study of a Eutectic Solvent Reveals Hydrophobic Segregation and Lack of Hydrogen Bonding between the Components. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 6337-6345.	6.7	9
78	Evaluation of ticlopidine in human serum and plaque by liquid chromatography/atmospheric pressure chemical ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 1997, 354, 87-95.	5.4	8
79	Potentiality of miniaturized techniques for the analysis of drugs of abuse. <i>Electrophoresis</i> , 2022, 43, 190-200.	2.4	7
80	New copper(II) complexes of Creatinine. <i>Thermochimica Acta</i> , 1999, 329, 147-156.	2.7	6
81	Supercritical fluid chromatography for vitamin and carotenoid analysis: an update covering 2011-2021. <i>Journal of Chromatography Open</i> , 2022, 2, 100027.	2.2	6
82	Complexes of adrenaline with some divalent transition-metal ions. <i>Thermochimica Acta</i> , 2001, 369, 167-173.	2.7	5
83	Residue analysis of thyreostats in baby foods via matrix solid phase dispersion and liquid chromatography “ dual-polarity electrospray “ tandem mass spectrometry. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2016, 33, 1793-1802.	2.3	5
84	Analysis of vitamins by liquid chromatography. , 2017, , 571-615.		5
85	Enantioseparation of tryptophan and its unnatural derivatives by nano“LC on CSP“teicoplanin silica based. <i>Electrophoresis</i> , 2019, 40, 1966-1971.	2.4	5
86	Chiral Nano-Liquid Chromatography and Dispersive Liquid-Liquid Microextraction Applied to the Analysis of Antifungal Drugs in Milk. <i>Molecules</i> , 2021, 26, 7094.	3.8	5
87	Pressurized-liquid extraction for determination of imidazolinone herbicides in soil. <i>Chromatographia</i> , 2001, 54, 531-535.	1.3	4
88	Phytochemical Analysis and Biological Activities of the Ethanolic Extract of <i>Daphne sericea</i> Vahl Flowering Aerial Parts Collected in Central Italy. <i>Biomolecules</i> , 2021, 11, 379.	4.0	4
89	Innovative Solutions for the Extraction of Vitamins from Pharmaceutical and Biological Samples. <i>Current Analytical Chemistry</i> , 2021, 17, 1114-1132.	1.2	4
90	Analysis of Vitamins by Liquid Chromatography. , 2013, , 477-517.		3

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91	Vitamin K Concentration and Cognitive Status in Elderly Patients on Anticoagulant Therapy: A Pilot Study. <i>Journal of Aging Research</i> , 2020, 2020, 1-7.	0.9	3
92	Enantioseparation of selected chiral agrochemicals by using nano-liquid chromatography and capillary electrochromatography with amylose tris(3- <i>o</i> -chloro-5-methylphenylcarbamate) covalently immobilized onto silica. <i>Journal of Chromatography A</i> , 2022, 1673, 463128.	3.7	3
93	Response to Comment on "Structural Study of a Eutectic Solvent Reveals Hydrophobic Segregation and Lack of Hydrogen Bonding between the Components". <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 8671-8672.	6.7	3
94	Plasma Vitamin K1 Levels in Italian Patients Receiving Oral Anticoagulant Therapy for Mechanical Heart Prosthesis: A Case-Control Study. <i>American Journal of Cardiovascular Drugs</i> , 2016, 16, 267-274.	2.2	2
95	Subcritical water extraction of thyreostats from bovine muscle followed by liquid chromatography-tandem mass spectrometry. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2018, 35, 1472-1483.	2.3	2
96	Composition of a crude lipase from <i>Candida Cylindracea</i> as studied by differential scanning calorimetry and thermogravimetry. <i>Thermochimica Acta</i> , 1998, 320, 69-74.	2.7	1
97	New creatinine complexes of nickel(II). <i>Thermochimica Acta</i> , 2000, 351, 61-69.	2.7	1
98	Chapter 5. The Chemistry of Vitamin A. <i>Food and Nutritional Components in Focus</i> , 2012, , 73-89.	0.1	1
99	Cattle breeding: A fast screening procedure to control the bovine fodder contamination. <i>Talanta</i> , 2007, 73, 594-597.	5.5	0
100	Chapter 16. LC-DAD-tandem MS Analysis of Retinoids and Carotenoids: Applications to Bovine Milk. <i>Food and Nutritional Components in Focus</i> , 2012, , 261-281.	0.1	0
101	Liquid chromatography/mass spectrometry identification of intermediates and vulcanization products by using squalene as vulcanization model compound. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 1339-1348.	1.5	0
102	Vitamins: Clinical, Pharmaceutical, and Biological Analysis. , 2018, , .		0