Chiara Fanali

List of Publications by Year
in descending order

86 papers	2,797 citations	117625 34 h-index	197818 49 g-index
86 all docs	86 docs citations	86 times ranked	3584 citing authors

#	Article	IF	Citations
1	Trafficking and Postsecretory Events Responsible for the Formation of Secreted Human Salivary Peptides. Molecular and Cellular Proteomics, 2008, 7, 911-926.	3.8	111
2	Chemical Characterization of Sacha Inchi (Plukenetia volubilis L.) Oil. Journal of Agricultural and Food Chemistry, 2011, 59, 13043-13049.	5.2	111
3	Analysis of phenolic compounds in different parts of pomegranate (Punica granatum) fruit by HPLC-PDA-ESI/MS and evaluation of their antioxidant activity: application to different Italian varieties. Analytical and Bioanalytical Chemistry, 2018, 410, 3507-3520.	3.7	111
4	Hypo-Phosphorylation of Salivary Peptidome as a Clue to the Molecular Pathogenesis of Autism Spectrum Disorders. Journal of Proteome Research, 2008, 7, 5327-5332.	3.7	90
5	Alterations of the Salivary Secretory Peptidome Profile in Children Affected by Type 1 Diabetes. Molecular and Cellular Proteomics, 2010, 9, 2099-2108.	3.8	84
6	Monitoring Algal Toxins in Lake Water by Liquid Chromatography Tandem Mass Spectrometry. Environmental Science & Technology, 2006, 40, 2917-2923.	10.0	82
7	Age-Dependent Modifications of the Human Salivary Secretory Protein Complex. Journal of Proteome Research, 2009, 8, 4126-4134.	3.7	80
8	Chiral separations in food analysis. TrAC - Trends in Analytical Chemistry, 2017, 96, 151-171.	11.4	73
9	Advanced analytical techniques for fat-soluble vitamin analysis. TrAC - Trends in Analytical Chemistry, 2017, 87, 82-97.	11.4	72
10	Capillary-liquid chromatography (CLC) and nano-LC in food analysis. TrAC - Trends in Analytical Chemistry, 2013, 52, 226-238.	11.4	71
11	The human salivary proteome: a critical overview of the results obtained by different proteomic platforms. Expert Review of Proteomics, 2012, 9, 33-46.	3.0	65
12	Detection in human saliva of different statherin and P-B fragments and derivatives. Proteomics, 2006, 6, 6370-6379.	2.2	62
13	The role of inflammation in the genesis of the cystic component of craniopharyngiomas. Child's Nervous System, 2010, 26, 1779-1784.	1.1	62
14	Online Comprehensive RPLC Ã— RPLC with Mass Spectrometry Detection for the Analysis of Proteome Samples. Analytical Chemistry, 2011, 83, 2485-2491.	6.5	60
15	Analysis of anthocyanins in commercial fruit juices by using nanoâ€liquid chromatographyâ€electrosprayâ€mass spectrometry and highâ€performance liquid chromatography with UVâ€vis detector. Journal of Separation Science, 2011, 34, 150-159.	2.5	59
16	Potential applications of human saliva as diagnostic fluid. Acta Otorhinolaryngologica Italica, 2011, 31, 347-57.	1.5	58
17	Electronic nose and GCâ€“MS analysis of volatile compounds in Tuber magnatum Pico: Evaluation of different storage conditions. Food Chemistry, 2013, 136, 668-674.	8.2	57
18	Capillary electrochromatography in food analysis. TrAC - Trends in Analytical Chemistry, 2016, 82, 250-267.	11.4	55

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19	Enantiomers separation by capillary electrochromatography. TrAC - Trends in Analytical Chemistry, 2019, 120, 115640.	11.4	55
20	Effect of Cocoa Polyphenolic Extract on Macrophage Polarization from Proinflammatory M1 to Anti-Inflammatory M2 State. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-11.	4.0	49
21	Antioxidant and Antiglycation Effects of Polyphenol Compounds Extracted from Hazelnut Skin on Advanced Glycation End-Products (AGEs) Formation. Antioxidants, 2021, 10, 424.	5.1	48
22	Tyrosine Polysulfation of Human Salivary Histatin 1. A Post-Translational Modification Specific of the Submandibular Gland. Journal of Proteome Research, 2007, 6, 2472-2480.	3.7	47
23	Screening of volatile compounds composition of white truffle during storage by GCxGC-(FID/MS) and gas sensor array analyses. LWT - Food Science and Technology, 2015, 60, 905-913.	5.2	42
24	Analysis of Enantiomers in Products of Food Interest. Molecules, 2019, 24, 1119.	3.8	42
25	Choline-chloride and betaine-based deep eutectic solvents for green extraction of nutraceutical compounds from spent coffee ground. Journal of Pharmaceutical and Biomedical Analysis, 2020, 189, 113421.	2.8	40
26	Thymosin Î²4 and Î²10 Levels in Pre-Term Newborn Oral Cavity and Foetal Salivary Glands Evidence a Switch of Secretion during Foetal Development. PLoS ONE, 2009, 4, e5109.	2.5	40
27	Nano-liquid chromatography in nutraceutical analysis: Determination of polyphenols in bee pollen. Journal of Chromatography A, 2013, 1313, 270-274.	3.7	39
28	Choline Chlorideâ€“Lactic Acid-Based NADES As an Extraction Medium in a Response Surface Methodology-Optimized Method for the Extraction of Phenolic Compounds from Hazelnut Skin. Molecules, 2021, 26, 2652.	3.8	39
29	Analysis of polyphenols and methylxantines in tea samples by means of nano-liquid chromatography utilizing capillary columns packed with coreâ€“shell particles. Journal of Chromatography A, 2012, 1234, 38-44.	3.7	38
30	Optimization of pressurized liquid extraction by response surface methodology of Goji berry (Lycium barbarum L.) phenolic bioactive compounds. Electrophoresis, 2018, 39, 1673-1682.	2.4	38
31	On our way to sub-second separations of enantiomers in high-performance liquid chromatography. Journal of Chromatography A, 2018, 1572, 37-43.	3.7	38
32	Proteomic Analysis of Salivary Acidic Proline-Rich Proteins in Human Preterm and At-Term Newborns. Journal of Proteome Research, 2007, 6, 1371-1377.	3.7	37
33	Ionic liquids as stationary phases for fatty acid analysis by gas chromatography. Analyst, The, 2017, 142, 4601-4612.	3.5	36
34	HPLC Separation of Enantiomers of Some Flavanone Derivatives Using Polysaccharide-Based Chiral Selectors Covalently Immobilized on Silica. Chromatographia, 2016, 79, 119-124.	1.3	35
35	A low transition temperature mixture for the dispersive liquid-liquid microextraction of pesticides from surface waters. Journal of Chromatography A, 2019, 1605, 360329.	3.7	35
36	Separation of enantiomers of selected chiral sulfoxides with cellulose tris(4-chloro-3-methylphenylcarbamate)-based chiral columns in high-performance liquid chromatography with very high separation factor. Journal of Chromatography A, 2018, 1545, 59-66.	3.7	32

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37	Application of deep eutectic solvents for the extraction of phenolic compounds from extraâ€virgin olive oil. Electrophoresis, 2020, 41, 1752-1759.	2.4	32
38	Dispersive liquid-liquid microextraction using a low transition temperature mixture and liquid chromatography-mass spectrometry analysis of pesticides in urine samples. Journal of Chromatography A, 2021, 1642, 462036.	3.7	29
39	Optimized use of a 50 Î¼m ID secondary column in comprehensive two-dimensional gas chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2010, 1217, 4160-4166.	3.7	28
40	Lifelong imbalanced LA/ALA intake impairs emotional and cognitive behavior via changes in brain endocannabinoid system. Journal of Lipid Research, 2017, 58, 301-316.	4.2	28
41	Enantiomers separation by capillary electrochromatography using polysaccharideâ€based stationary phases. Journal of Separation Science, 2019, 42, 360-384.	2.5	28
42	Determination of the Phenol and Tocopherol Content in Italian High-Quality Extra-Virgin Olive Oils by Using LC-MS and Multivariate Data Analysis. Food Analytical Methods, 2020, 13, 1027-1041.	2.6	28
43	Proteomics of saliva: personal experience. Acta Otorhinolaryngologica Italica, 2010, 30, 125-30.	1.5	27
44	Effect of hydroxytyrosol methyl carbonate on the thermal, migration and antioxidant properties of <scp>PVA</scp>â€based films for active food packaging. Polymer International, 2016, 65, 872-882.	3.1	26
45	Chiral Separations using Miniaturized Techniques: State of the Art and Perspectives. Israel Journal of Chemistry, 2016, 56, 958-967.	2.3	26
46	Extraction, Analysis, and Antioxidant Activity Evaluation of Phenolic Compounds in Different Italian Extra-Virgin Olive Oils. Molecules, 2018, 23, 3249.	3.8	25
47	Proteomic approaches to SjÃ¶gren's syndrome: A clue to interpret the pathophysiology and organ involvement of the disease. Autoimmunity Reviews, 2010, 9, 622-626.	5.8	23
48	Association of high levels of Î±-defensins and S100A proteins with Candida mannan detection in bronchoalveolar lavage fluid of preterm neonates. Pediatric Research, 2013, 74, 19-25.	2.3	22
49	Nanoâ€liquid chromatography and capillary electrochromatography hyphenated with mass spectrometry for tryptic digest protein analysis: A comparison. Electrophoresis, 2012, 33, 2553-2560.	2.4	20
50	Enantiomeric separation of some chiral analytes using amylose 3,5-dimethylphenylcarbamate covalently immobilized on silica by nano-liquid chromatography and capillary electrochromatography. Journal of Chromatography A, 2017, 1520, 127-134.	3.7	20
51	Î±-Defensin Levels in Whole Saliva of Totally Edentulous Subjects. International Journal of Immunopathology and Pharmacology, 2008, 21, 845-849.	2.1	19
52	Comparative study on enantiomer resolving ability of amylose tris(3-chloro-5-methylphenylcarbamate) covalently immobilized onto silica in nano-liquid chromatography and capillary electrochromatography. Journal of Chromatography A, 2019, 1606, 460425.	3.7	19
53	Salivary Proteomic Analysis and Acute Graft-versus-Host Disease after Allogeneic Hematopoietic Stem Cell Transplantation. Biology of Blood and Marrow Transplantation, 2013, 19, 888-892.	2.0	17
54	Antioxidant activity evaluation and HPLCâ€photodiode array/MS polyphenols analysis of pomegranate juice from selected italian cultivars: A comparative study. Electrophoresis, 2016, 37, 1947-1955.	2.4	17

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55	Use of an Online Extraction Technique Coupled to Liquid Chromatography for Determination of Caffeine in Coffee, Tea, and Cocoa. Food Analytical Methods, 2018, 11, 2637-2644.	2.6	17
56	A nanoâ€ŁC/UV method for the analysis of principal phenolic compounds in commercial citrus juices and evaluation of antioxidant potential. Electrophoresis, 2014, 35, 1701-1708.	2.4	16
57	Cocoa Polyphenols: Chemistry, Bioavailability and Effects on Cardiovascular Performance. Current Medicinal Chemistry, 2019, 25, 4903-4917.	2.4	16
58	Hydroxytyrosol as Active Ingredient in Poly(vinyl alcohol) Films for Food Packaging Applications. Journal of Renewable Materials, 2017, 5, 81-95.	2.2	15
59	Nano-liquid chromatography for enantiomers separation of baclofen by using vancomycin silica stationary phase. Journal of Chromatography A, 2019, 1605, 360358.	3.7	15
60	Determination of key flavonoid aglycones by means of nanoâ€ŁC for the analysis of dietary supplements and food matrices. Electrophoresis, 2015, 36, 1073-1081.	2.4	14
61	Application of a Low Transition Temperature Mixture for the Dispersive Liquidâ€“Liquid Microextraction of Illicit Drugs from Urine Samples. Molecules, 2021, 26, 5222.	3.8	13
62	Two proline-rich peptides from pig (Sus scrofa) salivary glands generated by pre-secretory pathway underlying the action of a proteinase cleaving ProAla bonds. Peptides, 2005, 26, 1550-1559.	2.4	12
63	Use of a Novel Subâ€2 Âµm Silica Hydride Vancomycin Stationary Phase in Nanoâ€Łiquid Chromatography. II. Separation of Derivatized Amino Acid Enantiomers. Chirality, 2015, 27, 767-772.	2.6	12
64	Effect of solvent on the extraction of phenolic compounds and antioxidant capacity of hazelnut kernel. Electrophoresis, 2018, 39, 1683-1691.	2.4	12
65	Nano-liquid chromatography. , 2017, , 637-695.		11
66	Comparison between In Vitro Chemical and Ex Vivo Biological Assays to Evaluate Antioxidant Capacity of Botanical Extracts. Antioxidants, 2021, 10, 1136.	5.1	11
67	Correspondence between clinical improvement and proteomic changes of the salivary peptide complex in a child with primary SjÃ¶gren syndrome. Rheumatology International, 2008, 28, 801-806.	3.0	10
68	Further study on enantiomer resolving ability of amylose tris(3-chloro-5-methylphenylcarbamate) covalently immobilized onto silica in nano-liquid chromatography and capillary electrochromatography. Journal of Chromatography A, 2020, 1623, 461213.	3.7	10
69	Expression, purification, phosphorylation and characterization of recombinant human statherin. Protein Expression and Purification, 2010, 69, 219-225.	1.3	9
70	Large-scale profiling of carotenoids by using non aqueous reversed phase liquid chromatography â€“ photodiode array detection â€“ triple quadrupole linear ion trap mass spectrometry: Application to some varieties of sweet pepper (Capsicum annuum L.). Journal of Pharmaceutical and Biomedical Analysis, 2019, 164, 759-767.	2.8	9
71	Chiral separation and analysis of antifungal drugs by chromatographic and electromigration techniques: Results achieved in 2010â€“2020. Reviews in Analytical Chemistry, 2021, 40, 220-252.	3.2	9
72	Characterization of two isoforms of human SPRR3 from saliva of preterm human newborn and autoptic fetal oral mucosa, parotid and submandibular gland samples. Biochemical and Biophysical Research Communications, 2010, 398, 477-481.	2.1	8

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73	African baobab (Adansonia digitata) fruit as promising source of procyanidins. European Food Research and Technology, 2020, 246, 297-306.	3.3	7
74	Potentiality of miniaturized techniques for the analysis of drugs of abuse. Electrophoresis, 2022, 43, 190-200.	2.4	7
75	Capillary electrochromatography applied to drug analysis. Journal of Chromatography Open, 2021, 1, 100015.	2.2	7
76	Enantioseparation of tryptophan and its unnatural derivatives by nanoâ€LC on CSPâ€teicoplanin silica based. Electrophoresis, 2019, 40, 1966-1971.	2.4	5
77	Chiral Nano-Liquid Chromatography and Dispersive Liquid-Liquid Microextraction Applied to the Analysis of Antifungal Drugs in Milk. Molecules, 2021, 26, 7094.	3.8	5
78	Innovative Solutions for the Extraction of Vitamins from Pharmaceutical and Biological Samples. Current Analytical Chemistry, 2021, 17, 1114-1132.	1.2	4
79	Development and Boxâ€“Behnken design optimization of a green extraction method natural deep eutectic solventâ€based for phenolic compounds from barley malt rootlets. Electrophoresis, 2022, 43, 1832-1840.	2.4	4
80	Nano-Liquid Chromatographic Separations. , 2017, , 309-363.		3
81	Analysis of Nonsteroidal Anti-inflammatory Drugs by using Microfluidic Techniques: A Review. Current Pharmaceutical Analysis, 2021, 17, 303-315.	0.6	3
82	Enantioseparation of selected chiral agrochemicals by using nano-liquid chromatography and capillary electrochromatography with amylose tris(3â€‘chloro-5-methylphenylcarbamate) covalently immobilized onto silica. Journal of Chromatography A, 2022, 1673, 463128.	3.7	3
83	Chiral Separations Using Nano-Liquid Chromatography. Scientia Chromatographica, 2016, 8, 161-169.	0.2	2
84	Application of Sub-2 Micron Particle Silica Hydride Derivatized with Vancomycin for Chiral Separations by Nano-Liquid Chromatography. Methods in Molecular Biology, 2019, 1985, 239-250.	0.9	1
85	Flavors and odors analysis. , 2020, , 697-727.		0
86	ROLE of Fecal Calprotectin as BIOMARKER of Gvhd AFTER Allogeneic STEM CELL TRANSPLANTATION. Blood, 2010, 116, 1253-1253.	1.4	0