

Roberto Gotti

List of Publications by Year in descending order

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91
papers

3,532
citations

201674

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155660

55
g-index

93
all docs

93
docs citations

93
times ranked

5239
citing authors

#	ARTICLE	IF	CITATIONS
1	Gut microbiome of the Hadza hunter-gatherers. <i>Nature Communications</i> , 2014, 5, 3654.	12.8	1,067
2	Behçet's syndrome patients exhibit specific microbiome signature. <i>Autoimmunity Reviews</i> , 2015, 14, 269-276.	5.8	195
3	Sustainable production of pharmaceutical, nutraceutical and bioactive compounds from biomass and waste. <i>Chemical Society Reviews</i> , 2021, 50, 11191-11207.	38.1	94
4	Multivariate optimization of capillary electrophoresis methods: A critical review. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 87, 290-307.	2.8	85
5	Capillary electrophoresis of phytochemical substances in herbal drugs and medicinal plants. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 55, 775-801.	2.8	75
6	Microemulsion electrokinetic chromatography for the analysis of green tea catechins: Effect of the cosurfactant on the separation selectivity. <i>Electrophoresis</i> , 2003, 24, 1658-1667.	2.4	70
7	Analysis of catechins in <i>Theobroma cacao</i> beans by cyclodextrin-modified micellar electrokinetic chromatography. <i>Journal of Chromatography A</i> , 2006, 1112, 345-352.	3.7	69
8	Analysis of phenolic acids by micellar electrokinetic chromatography: application to <i>Echinacea purpurea</i> plant extracts. <i>Journal of Chromatography A</i> , 2002, 945, 239-247.	3.7	68
9	Functional, nutritional, antioxidant, sensory properties and comparative peptidomic profile of faba bean (<i>Vicia faba</i> , L.) seed protein hydrolysates and fortified apple juice. <i>Food Chemistry</i> , 2020, 330, 127120.	8.2	67
10	Oxalate-Degrading Activity in <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> : Impact of Acidic Conditions on the Transcriptional Levels of the Oxalyl Coenzyme A (CoA) Decarboxylase and Formyl-CoA Transferase Genes. <i>Applied and Environmental Microbiology</i> , 2010, 76, 5609-5620.	3.1	66
11	Characterization and Heterologous Expression of the Oxalyl Coenzyme A Decarboxylase Gene from <i>Bifidobacterium lactis</i> . <i>Applied and Environmental Microbiology</i> , 2004, 70, 5066-5073.	3.1	65
12	Enteral Nutrition in Pediatric Patients Undergoing Hematopoietic SCT Promotes the Recovery of Gut Microbiome Homeostasis. <i>Nutrients</i> , 2019, 11, 2958.	4.1	63
13	Analysis of catechins in extracts of <i>Cistus</i> species by microemulsion electrokinetic chromatography. <i>Journal of Chromatography A</i> , 2003, 990, 215-223.	3.7	60
14	Analysis of Amaryllidaceae alkaloids from <i>Narcissus</i> by GC-MS and capillary electrophoresis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 42, 17-24.	2.8	50
15	UHPLC determination of catechins for the quality control of green tea. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 88, 307-314.	2.8	50
16	Determination of 5-aminosalicylic acid related impurities by micellar electrokinetic chromatography with an ion-pair reagent. <i>Journal of Chromatography A</i> , 2001, 916, 175-183.	3.7	46
17	Multifunctional liposomes for nasal delivery of the anti-Alzheimer drug tacrine hydrochloride. <i>Journal of Liposome Research</i> , 2014, 24, 323-335.	3.3	44
18	Differentiation of green tea samples by chiral CD-MEKC analysis of catechins content. <i>Electrophoresis</i> , 2009, 30, 2922-2930.	2.4	41

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19	Electronic nose and chiral-capillary electrophoresis in evaluation of the quality changes in commercial green tea leaves during a long-term storage. <i>Talanta</i> , 2014, 129, 32-38.	5.5	40
20	Microemulsion electrokinetic chromatography of corticosteroids. <i>Journal of Chromatography A</i> , 2005, 1081, 24-30.	3.7	39
21	Studies on the photostability and in vitro phototoxicity of Labetalol. <i>European Journal of Pharmaceutical Sciences</i> , 2001, 12, 495-504.	4.0	34
22	Chiral analysis of theanine and catechin in characterization of green tea by cyclodextrin-modified micellar electrokinetic chromatography and high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2018, 1562, 115-122.	3.7	34
23	Mitochondrial Pathway Mediates the Antileukemic Effects of Hemidesmus Indicus, a Promising Botanical Drug. <i>PLoS ONE</i> , 2011, 6, e21544.	2.5	33
24	Simultaneous HS-SPME GC-MS determination of short chain fatty acids, trimethylamine and trimethylamine N-oxide for gut microbiota metabolic profile. <i>Talanta</i> , 2018, 189, 573-578.	5.5	33
25	Chiral capillary liquid chromatography based on penicillin G acylase immobilized on monolithic epoxy silica column. <i>Journal of Chromatography A</i> , 2012, 1234, 45-49.	3.7	32
26	Cyclodextrin-MEEKC for the analysis of oxybutynin and its impurities. <i>Talanta</i> , 2009, 80, 781-788.	5.5	30
27	Combination of capillary electrophoresis, molecular modeling and NMR to study the enantioselective complexation of sulphiride with double cyclodextrin systems. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 114, 265-271.	2.8	30
28	Chiral capillary zone electrophoresis in enantioseparation and analysis of cinacalcet impurities: Use of Quality by Design principles in method development. <i>Journal of Chromatography A</i> , 2018, 1568, 205-213.	3.7	30
29	Investigation on the photochemical stability of lercanidipine and its determination in tablets by HPLC-UV and LC-ESI-MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 41, 176-181.	2.8	28
30	WB 4101-Related Compounds. 2. Role of the Ethylene Chain Separating Amine and Phenoxy Units on the Affinity for α 1-Adrenoreceptor Subtypes and 5-HT1A Receptors. <i>Journal of Medicinal Chemistry</i> , 1999, 42, 4214-4224.	6.4	26
31	Differentiation of modern and ancient varieties of common wheat by quantitative capillary electrophoretic profile of phenolic acids. <i>Journal of Chromatography A</i> , 2018, 1532, 208-215.	3.7	26
32	Determination of the chiral and achiral related substances of methotrexate by cyclodextrin-modified micellar electrokinetic chromatography. <i>Electrophoresis</i> , 2004, 25, 2830-2837.	2.4	25
33	Modified micellar electrokinetic chromatography in the analysis of catechins and xanthenes in chocolate. <i>Electrophoresis</i> , 2004, 25, 3282-3291.	2.4	25
34	Simultaneous determination of phenytoin and dextromethorphan in urine by solid-phase extraction and HPLC-DAD. <i>Journal of Separation Science</i> , 2005, 28, 1157-1162.	2.5	24
35	Capillary electrophoretic study on the interaction between sodium dodecyl sulfate and neutral cyclodextrins. <i>Mikrochimica Acta</i> , 2010, 171, 23-31.	5.0	24
36	Chiral cyclodextrin-modified micellar electrokinetic chromatography and chemometric techniques for green tea samples origin discrimination. <i>Talanta</i> , 2016, 150, 7-13.	5.5	24

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37	A novel hydrophilic interaction liquid chromatography method for the determination of underivatized amino acids in alimentary supplements. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 145, 751-757.	2.8	24
38	Field-amplified sample injection and sweeping micellar electrokinetic chromatography in analysis of glyphosate and aminomethylphosphonic acid in wheat. <i>Journal of Chromatography A</i> , 2019, 1601, 357-364.	3.7	23
39	Assessment of gut microbiota fecal metabolites by chromatographic targeted approaches. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 177, 112867.	2.8	23
40	Interlaboratory study of a NACE method for the determination of R-timolol content in S-timolol maleate: Assessment of uncertainty. <i>Electrophoresis</i> , 2006, 27, 2386-2399.	2.4	22
41	Cytotoxic activity of guaiazulene on gingival fibroblasts and the influence of light exposure on guaiazulene-induced cell death. <i>Toxicology in Vitro</i> , 2011, 25, 64-72.	2.4	22
42	Analytical quality by design in the development of a cyclodextrin α -modified capillary electrophoresis method for the assay of metformin and its related substances. <i>Electrophoresis</i> , 2014, 35, 2538-2545.	2.4	22
43	Analytical study of penicillamine in pharmaceuticals by capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1999, 844, 361-369.	3.7	21
44	Simultaneous analysis of the lipophilic and hydrophilic markers of Echinacea plant extracts by capillary electrophoresis. <i>Journal of Separation Science</i> , 2002, 25, 1079-1086.	2.5	21
45	Cellular and mitochondrial determination of low molecular mass organic acids by LC α -MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 150, 33-38.	2.8	21
46	Quantitative amino acids profile of monofloral bee pollens by microwave hydrolysis and fluorimetric high performance liquid chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 173, 144-153.	2.8	21
47	Development of a capillary electrophoresis method for the assay of ramipril and its impurities: An issue of cis α -trans isomerization. <i>Journal of Chromatography A</i> , 2011, 1218, 2611-2617.	3.7	20
48	Lunasin in wheat: A chemical and molecular study on its presence or absence. <i>Food Chemistry</i> , 2014, 151, 520-525.	8.2	20
49	Quality by Design as a risk-based strategy in pharmaceutical analysis: Development of a liquid chromatography-tandem mass spectrometry method for the determination of nintedanib and its impurities. <i>Journal of Chromatography A</i> , 2020, 1611, 460615.	3.7	20
50	Separation of alkaloids from Echinacea purpurea extracts by cyclodextrin-modified micellar electrokinetic chromatography. <i>Electrophoresis</i> , 2002, 23, 3084-3092.	2.4	19
51	Study of donepezil binding to serum albumin by capillary electrophoresis and circular dichroism. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 377, 875-879.	3.7	19
52	Application of Experimental Design Methodologies in the Enantioseparation of Pharmaceuticals by Capillary Electrophoresis: A Review. <i>Molecules</i> , 2021, 26, 4681.	3.8	19
53	Study on the photostability of guaiazulene by high α -performance liquid chromatography/mass spectrometry and gas chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 2698-2706.	1.5	17
54	An EPR method for measuring the rate of distribution of organic substrates between cyclodextrin, micelles and water. <i>Chemical Communications</i> , 2008, , 1311.	4.1	17

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55	Apoptotic-Induced Effects of Acacia Catechu Willd. Extract in Human Colon Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2102.	4.1	17
56	VASOACTIVE COCKTAILS FOR ERECTILE DYSFUNCTION: CHEMICAL STABILITY OF PGE1, PARAVERINE AND PHENTOLAMINE. <i>Journal of Urology</i> , 1998, 160, 551-555.	0.4	16
57	Novel voltammetric method for enantioseparation of racemic methotrexate. <i>Sensors and Actuators B: Chemical</i> , 2006, 113, 978-988.	7.8	16
58	Development of a CZE method for the determination of mizolastine and its impurities in pharmaceutical preparations using response surface methodology. <i>Electrophoresis</i> , 2007, 28, 395-405.	2.4	16
59	HS-SPME-GC-MS for the Quantitation and Chiral Characterization of Camphor and Menthol in Creams. <i>Chromatographia</i> , 2010, 72, 941-947.	1.3	16
60	Affinity capillary electrophoresis in binding study of antithrombin to heparin from different sources. <i>Talanta</i> , 2013, 105, 366-371.	5.5	16
61	Selective determination of catechin, epicatechin and ascorbic acid in human urine using chiral capillary electrophoresis. <i>Journal of Separation Science</i> , 2008, 31, 2252-2259.	2.5	15
62	Determination of glutathione in biological samples by high performance liquid chromatography with fluorescence detection. <i>Biomedical Chromatography</i> , 1994, 8, 306-308.	1.7	14
63	Penicillin G acylase as chiral selector in CE using a pullulan-coated capillary. <i>Electrophoresis</i> , 2006, 27, 4746-4754.	2.4	14
64	Newer Insights into the Antidiarrheal Effects of <i>Acacia catechu</i> Willd. Extract in Guinea Pig. <i>Journal of Medicinal Food</i> , 2017, 20, 592-600.	1.5	14
65	Recovery evaluation of lipophilic markers from <i>Echinacea purpurea</i> roots applying microwave-assisted solvent extraction versus conventional methods. <i>Journal of Separation Science</i> , 2003, 26, 97-104.	2.5	12
66	Precision study on capillary electrophoresis methods for metacycline. <i>Electrophoresis</i> , 2006, 27, 2317-2329.	2.4	12
67	Analysis of human histone H4 by capillary electrophoresis in a pullulan-coated capillary, LC-ESI-MS and MALDI-TOF-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 1881-1888.	3.7	12
68	Analytical quality by design in the development of a solvent-modified micellar electrokinetic chromatography method for the determination of sitagliptin and its related compounds. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 202, 114163.	2.8	12
69	Guaiazulene in health care products: Determination by GC-MS and HPLC-DAD and photostability test. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 47, 710-715.	2.8	10
70	Quality by Design in optimizing the extraction of (poly)phenolic compounds from <i>Vaccinium myrtillus</i> berries. <i>Journal of Chromatography A</i> , 2022, 1677, 463329.	3.7	10
71	Analysis of prostaglandin E1 and related impurities by mixed aqueous-organic capillary electrophoresis. <i>Journal of Separation Science</i> , 2001, 24, 749-756.	2.5	9
72	Phanquinone as a suitable derivatization reagent in micellar electrokinetic chromatography and HPLC analysis of amino acids. <i>Journal of Separation Science</i> , 2006, 29, 1259-1267.	2.5	9

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73	Selection of background electrolyte for CZE analysis by a chemometric approach. Journal of Pharmaceutical and Biomedical Analysis, 2007, 43, 1388-1401.	2.8	9
74	Determination of dermatan sulfate and chondroitin sulfate as related substances in heparin by capillary electrophoresis. Journal of Pharmaceutical and Biomedical Analysis, 2010, 53, 1193-1200.	2.8	9
75	Analysis of Cyclosporin A and Main Degradation Impurities by Cyclodextrinâ€“Modified Micellar Electrokinetic Chromatography. Analytical Letters, 2012, 45, 665-676.	1.8	9
76	Determination of Estragole in Fennel Herbal Teas by HS-SPME and GCâ€“MS. Analytical Letters, 2014, 47, 268-279.	1.8	9
77	Analysis of guaifenesin-based cough syrups by micellar electrokinetic chromatography and GC-MS. Journal of Separation Science, 2001, 24, 258-264.	2.5	7
78	Determination of Phytomarkers in Pharmaceutical Preparations of <i>Hemidesmus indicus</i> Roots by Micellar Electrokinetic Chromatography and High-Performance Liquid Chromatographyâ€“Mass Spectrometry. Analytical Letters, 2014, 47, 2629-2642.	1.8	7
79	Capillary electrophoresis method for speciation of iron (II) and iron (III) in pharmaceuticals by dual precapillary complexation. Electrophoresis, 2015, 36, 2820-2827.	2.4	7
80	Analysis of neutral nitromusks in incenses by capillary electrophoresis in organic solvents and gas chromatography-mass spectrometry. Electrophoresis, 2005, 26, 3325-3332.	2.4	6
81	Isolation and Characterization of Wheat Derived Nonspecific Lipid Transfer Protein 2 (nsLTP2). Journal of Food Science, 2018, 83, 1516-1521.	3.1	6
82	Determination of iothalamate in rat urine, plasma, and tubular fluid by capillary electrophoresis. Biomedical Applications, 1999, 728, 143-149.	1.7	5
83	Evidences of cyclodextrin-mediated enantioselective photodegradation of rac-nicardipine by capillary electrophoresis. Electrophoresis, 2001, 22, 3243-3250.	2.4	5
84	Determination of oxalyl-coenzyme A decarboxylase activity in <i>Oxalobacter formigenes</i> and <i>Lactobacillus acidophilus</i> by capillary electrophoresis. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 854, 350-356.	2.3	5
85	Selection of background electrolyte for CZE analysis by a chemometric approach. Journal of Pharmaceutical and Biomedical Analysis, 2007, 43, 1402-1408.	2.8	4
86	Rapid MALDI-TOF-MS analysis in the study of interaction between whole bacterial cells and human target molecules: Binding of <i>Bifidobacterium</i> to human plasminogen. Journal of Microbiological Methods, 2008, 73, 276-278.	1.6	4
87	Efficacy of a titanium dioxide nanoparticles â€” based indoor anti-odor product as assessed by electronic nose and gas chromatographyâ€“mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2017, 144, 236-241.	2.8	4
88	Determination of Free Amino Acids in Milk, Colostrum and Plasma of Swine via Liquid Chromatography with Fluorescence and UV Detection. Molecules, 2022, 27, 4153.	3.8	3
89	Simultaneous separation and determination of Tarabine PFS and Adriblastine using micellar electrokinetic chromatography and high performance liquid chromatography. Application to some biological fluids. Journal of Separation Science, 2005, 28, 534-542.	2.5	2
90	Evaluation of Roasting Effect on Selected Green Tea Volatile Flavor Compound and Pyrazine Content by HS-SPME GC-MS. Applied Sciences (Switzerland), 2021, 11, 8217.	2.5	2

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91	Analysis of Alkaloids by Capillary Electrophoresis. , 2013, , 1153-1199.		1