

Roberto Mandrioli

List of Publications by Year in descending order

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111
papers

3,616
citations

101384

36
h-index

182168

51
g-index

111
all docs

111
docs citations

111
times ranked

3996
citing authors

#	ARTICLE	IF	CITATIONS
1	Benzodiazepine Metabolism: An Analytical Perspective. <i>Current Drug Metabolism</i> , 2008, 9, 827-844.	0.7	123
2	Tutorial: Volumetric absorptive microsampling (VAMS). <i>Analytica Chimica Acta</i> , 2019, 1046, 32-47.	2.6	119
3	Content of melatonin and other antioxidants in grape-related foodstuffs: measurement using a MEPS-HPLC method. <i>Journal of Pineal Research</i> , 2012, 53, 21-28.	3.4	106
4	Simultaneous liquid chromatographic analysis of catecholamines and 4-hydroxy-3-methoxyphenylethylene glycol in human plasma. <i>Journal of Chromatography A</i> , 2004, 1032, 65-71.	1.8	105
5	Atypical Antipsychotics: Pharmacokinetics, Therapeutic Drug Monitoring and Pharmacological Interactions. <i>Current Medicinal Chemistry</i> , 2004, 11, 279-296.	1.2	96
6	Selective Serotonin Reuptake Inhibitors (SSRIs): Therapeutic Drug Monitoring and Pharmacological Interactions. <i>Current Medicinal Chemistry</i> , 2012, 19, 1846-1863.	1.2	88
7	Quantitation of olanzapine in tablets by HPLC, CZE, derivative spectrometry and linear voltammetry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2000, 23, 973-981.	1.4	79
8	Fluoxetine Metabolism and Pharmacological Interactions: The Role of Cytochrome P450. <i>Current Drug Metabolism</i> , 2006, 7, 127-133.	0.7	77
9	High-performance liquid chromatographic determination of Levetiracetam in human plasma: comparison of different sample clean-up procedures. <i>Biomedical Chromatography</i> , 2004, 18, 37-44.	0.8	70
10	Changes in carotenoids, phenolic acids and antioxidant capacity in bread wheat doughs fermented with different lactic acid bacteria strains. <i>Food Chemistry</i> , 2019, 292, 211-216.	4.2	64
11	Simultaneous high-performance liquid chromatography determination of carbamazepine and five of its metabolites in plasma of epileptic patients. <i>Biomedical Applications</i> , 2001, 762, 109-116.	1.7	59
12	Analysis of risperidone and 9-hydroxyrisperidone in human plasma, urine and saliva by MEPS-LC-UV. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 167-173.	1.2	59
13	Simultaneous analysis of six antiepileptic drugs and two selected metabolites in human plasma by liquid chromatography after solid-phase extraction. <i>Analytica Chimica Acta</i> , 2002, 472, 1-10.	2.6	58
14	Determination of aloe emodin in Aloe vera extracts and commercial formulations by HPLC with tandem UV absorption and fluorescence detection. <i>Food Chemistry</i> , 2011, 126, 387-393.	4.2	57
15	Separation and analysis of glycyrrhizin, 18 ¹² -glycyrrhetic acid and 18 ^{1±} -glycyrrhetic acid in liquorice roots by means of capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 2005, 1081, 65-71.	1.8	56
16	Dried blood spots: Liquid chromatography-mass spectrometry analysis of ¹¹ 9-tetrahydrocannabinol and its main metabolites. <i>Journal of Chromatography A</i> , 2013, 1271, 33-40.	1.8	55
17	Liquid chromatographic determination of oxcarbazepine and its metabolites in plasma of epileptic patients after solid-phase extraction. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 783, 253-263.	1.2	54
18	Determination of oxycodone and its major metabolites in haematic and urinary matrices: Comparison of traditional and miniaturised sampling approaches. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 152, 204-214.	1.4	53

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19	HPLC analysis of the novel antipsychotic drug quetiapine in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 30, 969-977.	1.4	52
20	Monitoring of chronic Cannabis abuse: An LC-MS/MS method for hair analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 76, 119-125.	1.4	50
21	HPLC analysis of the second-generation antidepressant sertraline and its main metabolite N-desmethylsertraline in human plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 836, 116-119.	1.2	49
22	Analysis of cocaine and two metabolites in dried blood spots by liquid chromatography with fluorescence detection: A novel test for cocaine and alcohol intake. <i>Journal of Chromatography A</i> , 2010, 1217, 7242-7248.	1.8	49
23	Enantiomeric separation of citalopram and its metabolites by capillary electrophoresis. <i>Electrophoresis</i> , 2003, 24, 2608-2616.	1.3	47
24	Sensitive and selective determination of glutathione in probiotic bacteria by capillary electrophoresis-laser induced fluorescence. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 917-924.	1.9	47
25	Simultaneous analysis of diazepam and its metabolites in rat plasma and brain tissue by HPLC-UV and SPE. <i>Talanta</i> , 2009, 80, 279-285.	2.9	46
26	Determination of fluoxetine and norfluoxetine in human plasma by high-pressure liquid chromatography with fluorescence detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1998, 18, 193-199.	1.4	44
27	A sensitive high-performance liquid chromatographic method using electrochemical detection for the analysis of olanzapine and desmethylolanzapine in plasma of schizophrenic patients using a new solid-phase extraction procedure. <i>Biomedical Applications</i> , 2001, 750, 137-146.	1.7	44
28	Analysis of the second generation antidepressant venlafaxine and its main active metabolite O-desmethylvenlafaxine in human plasma by HPLC with spectrofluorimetric detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 856, 88-94.	1.2	43
29	Analytical profiling of selected antioxidants and total antioxidant capacity of goji (<i>Lycium spp.</i>) berries. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 143, 252-260.	1.4	42
30	Analysis of plasma catecholamines by liquid chromatography with amperometric detection using a novel SPE ion-exchange procedure. <i>Journal of Separation Science</i> , 2003, 26, 1141-1146.	1.3	41
31	Analytical methods for the quality control of Prozac® capsules. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1998, 18, 699-706.	1.4	40
32	Enantioselective determination of the novel antidepressant mirtazapine and its active demethylated metabolite in human plasma by means of capillary electrophoresis. <i>Journal of Chromatography A</i> , 2004, 1051, 253-260.	1.8	40
33	Rapid methods for determination of fluoxetine in pharmaceutical formulations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 29, 1127-1134.	1.4	39
34	Metabolism of Benzodiazepine and Non-Benzodiazepine Anxiolytic-Hypnotic Drugs: an Analytical Point of View. <i>Current Drug Metabolism</i> , 2010, 11, 815-829.	0.7	39
35	New-Generation, Non-SSRI Antidepressants: Therapeutic Drug Monitoring and Pharmacological Interactions. Part 1: SNRIs, SMSs, SARIs. <i>Current Medicinal Chemistry</i> , 2018, 25, 772-792.	1.2	39
36	Recent trends in the analysis of amino acids in fruits and derived foodstuffs. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 7941-7956.	1.9	38

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37	Integrated Evaluation of the Potential Health Benefits of Einkorn-Based Breads. <i>Nutrients</i> , 2017, 9, 1232.	1.7	38
38	Analysis of aromatic and terpenic constituents of pepper extracts by capillary electrochromatography. <i>Journal of Separation Science</i> , 2007, 30, 612-619.	1.3	37
39	HPLC analysis of the novel antidepressant duloxetine in human plasma after an original solid-phase extraction procedure. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 856, 81-87.	1.2	37
40	Reversed-phase capillary electrochromatography for the simultaneous determination of acetylsalicylic acid, paracetamol, and caffeine in analgesic tablets. <i>Electrophoresis</i> , 2004, 25, 615-621.	1.3	35
41	Advances in the enantioseparation of second-generation antidepressant drugs by electrodriven methods. <i>Electrophoresis</i> , 2006, 27, 213-221.	1.3	35
42	New generation, non-SSRI antidepressants: Drug-drug interactions and therapeutic drug monitoring. Part 2: NaSSAs, NRIs, SNDRI, MASSAs, NDRIs, and others. <i>Medicinal Research Reviews</i> , 2020, 40, 1794-1832.	5.0	34
43	Simultaneous determination of methadone, buprenorphine and norbuprenorphine in biological fluids for therapeutic drug monitoring purposes. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 847, 95-102.	1.2	33
44	New environmental sensitive system for colon-specific delivery of peptidic drugs. <i>International Journal of Pharmaceutics</i> , 2008, 358, 44-49.	2.6	33
45	DEVELOPMENT OF AN HPLC METHOD FOR THE TOXICOLOGICAL SCREENING OF CENTRAL NERVOUS SYSTEM DRUGS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2000, 23, 1039-1059.	0.5	32
46	Quantitative analysis of cocaine in human hair by HPLC with fluorescence detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 48, 456-461.	1.4	32
47	Simultaneous HPLC-F analysis of three recent antiepileptic drugs in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 53, 62-67.	1.4	32
48	Fruit Quality Characterization of New Sweet Cherry Cultivars as a Good Source of Bioactive Phenolic Compounds with Antioxidant and Neuroprotective Potential. <i>Antioxidants</i> , 2020, 9, 677.	2.2	31
49	Whole blood and oral fluid microsampling for the monitoring of patients under treatment with antidepressant drugs. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 188, 113384.	1.4	29
50	A rapid LC method for the identification and determination of CNS drugs in pharmaceutical formulations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2000, 23, 161-167.	1.4	28
51	Determination of progesterone in commercial formulations and in non conventional micellar systems. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003, 30, 1549-1559.	1.4	28
52	Quality control of commercial tablets containing the novel antipsychotic quetiapine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003, 32, 1037-1044.	1.4	28
53	A fast and feasible microextraction by packed sorbent (MEPS) procedure for HPLC analysis of the atypical antipsychotic ziprasidone in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 88, 467-471.	1.4	28
54	Blood and Plasma Volumetric Absorptive Microsampling (VAMS) Coupled to LC-MS/MS for the Forensic Assessment of Cocaine Consumption. <i>Molecules</i> , 2020, 25, 1046.	1.7	28

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55	Separation and HPLC analysis of 15 benzodiazepines in human plasma. <i>Journal of Separation Science</i> , 2008, 31, 2619-2626.	1.3	27
56	Rapid capillary electrophoretic method for the determination of clozapine and desmethylclozapine in human plasma. <i>Journal of Chromatography A</i> , 2001, 916, 289-296.	1.8	26
57	Determination of valproic acid (2-propylpentanoic acid) in human plasma by capillary electrophoresis with indirect UV detection. <i>Electrophoresis</i> , 2003, 24, 2076-2083.	1.3	26
58	Fast CE analysis of adrenergic amines in different parts of <i>Citrus aurantium</i> fruit and dietary supplements. <i>Journal of Separation Science</i> , 2010, 33, 2520-2527.	1.3	26
59	Rapid analysis of olanzapine and desmethylolanzapine in human plasma using high-performance liquid chromatography with coulometric detection. <i>Analytica Chimica Acta</i> , 2004, 516, 111-117.	2.6	25
60	Separation of reboxetine enantiomers by means of capillary electrophoresis. <i>Electrophoresis</i> , 2002, 23, 1870.	1.3	24
61	Determination of duloxetine in human plasma by capillary electrophoresis with laser-induced fluorescence detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 1126-1132.	1.2	24
62	Quantitative Evaluation of Auraptene and Umbelliferone, Chemopreventive Coumarins in Citrus Fruits, by HPLC-UV-FL-MS. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 1694-1701.	2.4	24
63	Enantioseparation and determination of asenapine in biological fluid micromatrices by HPLC with diode array detection. <i>Journal of Separation Science</i> , 2018, 41, 1257-1265.	1.3	24
64	Assessment of capillary volumetric blood microsampling for the analysis of central nervous system drugs and metabolites. <i>Analyst</i> , 2020, 145, 5744-5753.	1.7	24
65	Simultaneous HPLC determination of 14 tricyclic antidepressants and metabolites in human plasma. <i>Journal of Separation Science</i> , 2010, 33, 23-30.	1.3	23
66	Determination of homovanillic acid (HVA) in human plasma by HPLC with coulometric detection and a new SPE procedure. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 42, 107-112.	1.4	22
67	Microsampling and LC-MS/MS for antidoping testing of glucocorticoids in urine. <i>Bioanalysis</i> , 2020, 12, 769-782.	0.6	22
68	Determination of recent antidepressant citalopram in human plasma by liquid chromatography-Fluorescence detection. <i>Chromatographia</i> , 2003, 57, 273-278.	0.7	20
69	Enantioselective analysis of amisulpride in pharmaceutical formulations by means of capillary electrophoresis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 46, 966-970.	1.4	20
70	Fast analysis of amino acids in wine by capillary electrophoresis with laser-induced fluorescence detection. <i>Electrophoresis</i> , 2011, 32, 2809-2815.	1.3	20
71	Dried blood spot testing: a novel approach for the therapeutic drug monitoring of ziprasidone-treated patients. <i>Bioanalysis</i> , 2014, 6, 1487-1495.	0.6	20
72	Quantitative microsampling for bioanalytical applications related to the SARS-CoV-2 pandemic: Usefulness, benefits and pitfalls. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 191, 113597.	1.4	20

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73	Determination of melatonin in commercial preparations by micellar electrokinetic chromatography and spectrofluorimetry. <i>Analytica Chimica Acta</i> , 2003, 488, 97-105.	2.6	19
74	Perspectives and strategies for anti-doping analysis. <i>Bioanalysis</i> , 2019, 11, 149-152.	0.6	19
75	Free and Conjugated Phenolic Profiles and Antioxidant Activity in Quinoa Seeds and Their Relationship with Genotype and Environment. <i>Plants</i> , 2021, 10, 1046.	1.6	19
76	Enantioseparation and quality control of biperiden in pharmaceutical formulations by capillary electrophoresis. <i>Analytica Chimica Acta</i> , 2006, 560, 57-63.	2.6	17
77	Determination of the antidepressant paroxetine and its three main metabolites in human plasma by liquid chromatography with fluorescence detection. <i>Analytica Chimica Acta</i> , 2007, 591, 141-147.	2.6	17
78	Evaluation of the pharmacokinetics, safety and clinical efficacy of sertraline used to treat social anxiety. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2013, 9, 1495-1505.	1.5	17
79	Determination of reboxetine, a recent antidepressant drug, in human plasma by means of two high-performance liquid chromatography methods. <i>Journal of Chromatography A</i> , 2002, 949, 23-33.	1.8	16
80	Determination of vigabatrin in human plasma by means of CE with LIF detection. <i>Electrophoresis</i> , 2007, 28, 3535-3541.	1.3	16
81	Determination of topiramate in human plasma by capillary electrophoresis with indirect UV detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 53, 1319-1323.	1.4	16
82	An Original HPLC Method with Coulometric Detection to Monitor Hydroxyl Radical Generation via Fenton Chemistry. <i>Molecules</i> , 2019, 24, 3066.	1.7	16
83	Determination of the antidepressant mirtazapine and its two main metabolites in human plasma by liquid chromatography with fluorescence detection. <i>Analytica Chimica Acta</i> , 2006, 556, 281-288.	2.6	15
84	Discriminating different Cannabis sativa L. chemotypes using attenuated total reflectance - infrared (ATR-FTIR) spectroscopy: A proof of concept. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 204, 114270.	1.4	15
85	Novel Atypical Antipsychotics: Metabolism and Therapeutic Drug Monitoring (TDM). <i>Current Drug Metabolism</i> , 2015, 16, 141-151.	0.7	15
86	Evaluation of the pharmacokinetics, safety and clinical efficacy of ziprasidone for the treatment of schizophrenia and bipolar disorder. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2015, 11, 149-174.	1.5	14
87	Dried Urine Microsampling Coupled to Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS) for the Analysis of Unconjugated Anabolic Androgenic Steroids. <i>Molecules</i> , 2020, 25, 3210.	1.7	14
88	Capillary electrophoretic analysis of the antibiotic vancomycin in innovative microparticles and in commercial formulations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 42, 32-38.	1.4	13
89	Comparison of analytical methods for quality control of pharmaceutical formulations containing glutathione. <i>Chromatographia</i> , 1997, 46, 17-22.	0.7	12
90	Determination of clozapine in human plasma by solid-phase extraction and liquid chromatography with amperometric detection. <i>Chromatographia</i> , 1998, 47, 8-12.	0.7	12

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91	Micelles Based on Polyvinyl Alcohol Substituted with Oleic Acid for Targeting of Lipophilic Drugs. <i>Drug Delivery</i> , 2004, 12, 21-26.	2.5	12
92	Possible levomepromazine–clozapine interaction: Two case reports. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2007, 31, 567-570.	2.5	12
93	Chiral analysis of amphetamines, methadone and metabolites in biological samples by electrodriven methods. <i>Electrophoresis</i> , 2011, 32, 2629-2639.	1.3	12
94	Dialyzability of Oxycodone and Its Metabolites in Chronic Noncancer Pain Patients with End-Stage Renal Disease. <i>Pain Practice</i> , 2017, 17, 604-615.	0.9	12
95	Enhanced urinary stability of peptide hormones and growth factors by dried urine microsampling. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 204, 114234.	1.4	12
96	VAMS and StAGE as innovative tools for the enantioselective determination of clenbuterol in urine by LC-MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 195, 113873.	1.4	11
97	Dried Volumetric Microsampling Approaches for the Therapeutic Drug Monitoring of Psychiatric Patients Undergoing Clozapine Treatment. <i>Frontiers in Psychiatry</i> , 2022, 13, .	1.3	11
98	Determination of amphetamines in human urine by liquid chromatography with fluorimetric detection using a solid-phase extraction procedure. <i>Journal of Separation Science</i> , 2006, 29, 2322-2329.	1.3	10
99	Analysis of <i>Artemisia annua</i> extracts and related products by high performance liquid chromatography-tandem mass spectrometry coupled to sample treatment miniaturisation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 174, 81-88.	1.4	10
100	In Vitro Anti-Inflammatory Effect of <i>Salvia sagittata</i> Ethanolic Extract on Primary Cultures of Porcine Aortic Endothelial Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-11.	1.9	10
101	High-performance capillary electrophoretic determination of glutathione in human lymphocytes. <i>Journal of Separation Science</i> , 1998, 10, 503-509.	1.0	9
102	Spectrophotometric determination of silicate traces in hemodialysis solutions. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1999, 20, 335-342.	1.4	9
103	Separation and analysis of the major constituents of cloves by micellar electrokinetic chromatography. <i>Journal of Separation Science</i> , 2005, 28, 966-972.	1.3	9
104	Discontinued anxiolytic drugs (2009 – 2014). <i>Expert Opinion on Investigational Drugs</i> , 2015, 24, 557-573.	1.9	8
105	Electrodriven methods for the enantioseparation of second-generation antidepressant drugs: An update. <i>Electrophoresis</i> , 2008, 29, 252-259.	1.3	6
106	Metabolism of Drugs Used in the Therapy of Seizures: An Analytical Point of View. Part 1. <i>Current Drug Metabolism</i> , 2017, 18, 735-756.	0.7	6
107	Enantioseparation of the antidepressant reboxetine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 48, 991-996.	1.4	4
108	Liquid chromatographic analysis of the cis(Z)- and trans(E)-isomers of clopenthixol in human plasma using a novel solid phase extraction procedure. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 792, 313-321.	1.2	3

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109	Clinopodium tomentosum (Kunth) Govaerts Leaf Extract Influences in vitro Cell Proliferation and Angiogenesis on Primary Cultures of Porcine Aortic Endothelial Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-11.	1.9	3
110	Ion-Channel Antiepileptic Drugs: An Analytical Perspective on the Therapeutic Drug Monitoring (TDM) of Ezogabine, Lacosamide, and Zonisamide. <i>Analyticaâ€™A Journal of Analytical Chemistry and Chemical Analysis</i> , 2021, 2, 171-194.	0.8	2
111	<i>Analyticaâ€™A Journal of Analytical Chemistry and Chemical Analysis</i> . <i>Analyticaâ€™A Journal of Analytical Chemistry and Chemical Analysis</i> , 2020, 1, 12-13.	0.8	1