

# Roberto Mandrioli

## List of Publications by Citations

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108  
papers

2,865  
citations

34  
h-index

46  
g-index

111  
ext. papers

3,217  
ext. citations

4.1  
avg, IF

5.15  
L-index

#	Paper	IF	Citations
108	Benzodiazepine metabolism: an analytical perspective. <i>Current Drug Metabolism</i> , <b>2008</b> , 9, 827-44	3.5	100
107	Simultaneous liquid chromatographic analysis of catecholamines and 4-hydroxy-3-methoxyphenylethylene glycol in human plasma. Comparison of amperometric and coulometric detection. <i>Journal of Chromatography A</i> , <b>2004</b> , 1032, 65-71	4.5	98
106	Atypical antipsychotics: pharmacokinetics, therapeutic drug monitoring and pharmacological interactions. <i>Current Medicinal Chemistry</i> , <b>2004</b> , 11, 279-96	4.3	89
105	Content of melatonin and other antioxidants in grape-related foodstuffs: measurement using a MEPS-HPLC-F method. <i>Journal of Pineal Research</i> , <b>2012</b> , 53, 21-8	10.4	87
104	Quantitation of olanzapine in tablets by HPLC, CZE, derivative spectrometry and linear voltammetry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2000</b> , 23, 973-81	3.5	72
103	Selective serotonin reuptake inhibitors (SSRIs): therapeutic drug monitoring and pharmacological interactions. <i>Current Medicinal Chemistry</i> , <b>2012</b> , 19, 1846-63	4.3	69
102	Fluoxetine metabolism and pharmacological interactions: the role of cytochrome p450. <i>Current Drug Metabolism</i> , <b>2006</b> , 7, 127-33	3.5	65
101	Tutorial: Volumetric absorptive microsampling (VAMS). <i>Analytica Chimica Acta</i> , <b>2019</b> , 1046, 32-47	6.6	64
100	High-performance liquid chromatographic determination of Levetiracetam in human plasma: comparison of different sample clean-up procedures. <i>Biomedical Chromatography</i> , <b>2004</b> , 18, 37-44	1.7	63
99	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> , <b>2011</b> , 879, 167-73	3.2	51
98	Simultaneous high-performance liquid chromatography determination of carbamazepine and five of its metabolites in plasma of epileptic patients. <i>Biomedical Applications</i> , <b>2001</b> , 762, 109-16		50
97	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> , <b>2002</b> , 472, 1-10	6.6	49
96	Separation and analysis of glycyrrhizin, 18beta-glycyrrhetic acid and 18alpha-glycyrrhetic acid in liquorice roots by means of capillary zone electrophoresis. <i>Journal of Chromatography A</i> , <b>2005</b> , 1081, 65-71	4.5	49
95	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> , <b>2010</b> , 1217, 7242-8	4.5	48
94	Dried blood spots: liquid chromatography-mass spectrometry analysis of $\Delta$ -tetrahydrocannabinol and its main metabolites. <i>Journal of Chromatography A</i> , <b>2013</b> , 1271, 33-40	4.5	47
93	Sensitive and selective determination of glutathione in probiotic bacteria by capillary electrophoresis-laser induced fluorescence. <i>Analytical and Bioanalytical Chemistry</i> , <b>2007</b> , 387, 917-24	4.4	45
92	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> , <b>2003</b> , 783, 253-63	3.2	45

91	Enantiomeric separation of citalopram and its metabolites by capillary electrophoresis. <i>Electrophoresis</i> , <b>2003</b> , 24, 2608-16	3.6	44
90	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> , <b>2006</b> , 836, 116-9	3.2	43
89	HPLC analysis of the novel antipsychotic drug quetiapine in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2002</b> , 30, 969-77	3.5	43
88	Monitoring of chronic Cannabis abuse: an LC-MS/MS method for hair analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2013</b> , 76, 119-25	3.5	41
87	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> , <b>2001</b> , 750, 137-46		41
86	Simultaneous analysis of diazepam and its metabolites in rat plasma and brain tissue by HPLC-UV and SPE. <i>Talanta</i> , <b>2009</b> , 80, 279-85	6.2	40
85	Determination of aloe emodin in Aloe vera extracts and commercial formulations by HPLC with tandem UV absorption and fluorescence detection. <i>Food Chemistry</i> , <b>2011</b> , 126, 387-393	8.5	39
84	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> , <b>2007</b> , 856, 88-94	3.2	39
83	Analysis of plasma catecholamines by liquid chromatography with amperometric detection using a novel SPE ion-exchange procedure. <i>Journal of Separation Science</i> , <b>2003</b> , 26, 1141-1146	3.4	38
82	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> , <b>2004</b> , 1051, 253-60	4.5	37
81	Determination of fluoxetine and norfluoxetine in human plasma by high-pressure liquid chromatography with fluorescence detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>1998</b> , 18, 193-9	3.5	36
80	Analytical profiling of selected antioxidants and total antioxidant capacity of goji ( <i>Lycium spp.</i> ) berries. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2017</b> , 143, 252-260	3.5	35
79	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> , <b>2018</b> , 152, 204-214	3.5	35
78	Analytical methods for the quality control of Prozac capsules. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>1998</b> , 18, 699-706	3.5	35
77	Advances in the enantioseparation of second-generation antidepressant drugs by electrodriven methods. <i>Electrophoresis</i> , <b>2006</b> , 27, 213-21	3.6	35
76	Rapid methods for determination of fluoxetine in pharmaceutical formulations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2002</b> , 29, 1127-34	3.5	35
75	Changes in carotenoids, phenolic acids and antioxidant capacity in bread wheat doughs fermented with different lactic acid bacteria strains. <i>Food Chemistry</i> , <b>2019</b> , 292, 211-216	8.5	34
74	Analysis of aromatic and terpenic constituents of pepper extracts by capillary electrochromatography. <i>Journal of Separation Science</i> , <b>2007</b> , 30, 612-9	3.4	31

73	Integrated Evaluation of the Potential Health Benefits of Einkorn-Based Breads. <i>Nutrients</i> , <b>2017</b> , 9,	6.7	30
72	Metabolism of benzodiazepine and non-benzodiazepine anxiolytic-hypnotic drugs: an analytical point of view. <i>Current Drug Metabolism</i> , <b>2010</b> , 11, 815-29	3.5	30
71	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> , <b>2007</b> , 847, 95-102	3.2	30
70	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> , <b>2007</b> , 856, 81-7	3.2	30
69	New environmental sensitive system for colon-specific delivery of peptidic drugs. <i>International Journal of Pharmaceutics</i> , <b>2008</b> , 358, 44-9	6.5	30
68	DEVELOPMENT OF AN HPLC METHOD FOR THE TOXICOLOGICAL SCREENING OF CENTRAL NERVOUS SYSTEM DRUGS. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>2000</b> , 23, 1039-1059	1.3	30
67	Reversed-phase capillary electrochromatography for the simultaneous determination of acetylsalicylic acid, paracetamol, and caffeine in analgesic tablets. <i>Electrophoresis</i> , <b>2004</b> , 25, 615-21	3.6	29
66	Simultaneous HPLC-F analysis of three recent antiepileptic drugs in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2010</b> , 53, 62-7	3.5	28
65	Recent trends in the analysis of amino acids in fruits and derived foodstuffs. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 7941-56	4.4	26
64	A rapid LC method for the identification and determination of CNS drugs in pharmaceutical formulations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2000</b> , 23, 161-7	3.5	26
63	Separation and HPLC analysis of 15 benzodiazepines in human plasma. <i>Journal of Separation Science</i> , <b>2008</b> , 31, 2619-26	3.4	25
62	Quantitative analysis of cocaine in human hair by HPLC with fluorescence detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2008</b> , 48, 456-61	3.5	25
61	Determination of progesterone in commercial formulations and in non conventional micellar systems. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2003</b> , 30, 1549-59	3.5	25
60	Rapid capillary electrophoretic method for the determination of clozapine and desmethylclozapine in human plasma. <i>Journal of Chromatography A</i> , <b>2001</b> , 916, 289-96	4.5	25
59	Separation of reboxetine enantiomers by means of capillary electrophoresis. <i>Electrophoresis</i> , <b>2002</b> , 23, 1870-7	3.6	24
58	Rapid analysis of olanzapine and desmethylolanzapine in human plasma using high-performance liquid chromatography with coulometric detection. <i>Analytica Chimica Acta</i> , <b>2004</b> , 516, 111-117	6.6	23
57	Determination of valproic acid (2-propylpentanoic acid) in human plasma by capillary electrophoresis with indirect UV detection. <i>Electrophoresis</i> , <b>2003</b> , 24, 2076-83	3.6	23
56	Quality control of commercial tablets containing the novel antipsychotic quetiapine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2003</b> , 32, 1037-44	3.5	23

55	New-Generation, Non-SSRI Antidepressants: Therapeutic Drug Monitoring and Pharmacological Interactions. Part 1: SNRIs, SMSs, SARIs. <i>Current Medicinal Chemistry</i> , <b>2018</b> , 25, 772-792	4.3	22
54	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> , <b>2014</b> , 88, 467-71	3.5	21
53	Enantioseparation and determination of asenapine in biological fluid micromatrices by HPLC with diode array detection. <i>Journal of Separation Science</i> , <b>2018</b> , 41, 1257-1265	3.4	19
52	Enantioselective analysis of amisulpride in pharmaceutical formulations by means of capillary electrophoresis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2008</b> , 46, 966-70	3.5	19
51	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> , <b>2006</b> , 42, 107-12	3.5	19
50	Determination of recent antidepressant citalopram in human plasma by liquid chromatography-fluorescence detection. <i>Chromatographia</i> , <b>2003</b> , 57, 273-278	2.1	19
49	Fast analysis of amino acids in wine by capillary electrophoresis with laser-induced fluorescence detection. <i>Electrophoresis</i> , <b>2011</b> , 32, 2809-15	3.6	18
48	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> , <b>2009</b> , 877, 1126-32	3.2	18
47	Simultaneous HPLC determination of 14 tricyclic antidepressants and metabolites in human plasma. <i>Journal of Separation Science</i> , <b>2010</b> , 33, 23-30	3.4	18
46	Fast CE analysis of adrenergic amines in different parts of Citrus aurantium fruit and dietary supplements. <i>Journal of Separation Science</i> , <b>2010</b> , 33, 2520-7	3.4	18
45	Quantitative evaluation of auraptene and umbelliferone, chemopreventive coumarins in citrus fruits, by HPLC-UV-FL-MS. <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 1694-701	5.7	17
44	Determination of melatonin in commercial preparations by micellar electrokinetic chromatography and spectrofluorimetry. <i>Analytica Chimica Acta</i> , <b>2003</b> , 488, 97-105	6.6	17
43	Dried blood spot testing: a novel approach for the therapeutic drug monitoring of ziprasidone-treated patients. <i>Bioanalysis</i> , <b>2014</b> , 6, 1487-95	2.1	15
42	Determination of the antidepressant paroxetine and its three main metabolites in human plasma by liquid chromatography with fluorescence detection. <i>Analytica Chimica Acta</i> , <b>2007</b> , 591, 141-7	6.6	15
41	Determination of the antidepressant mirtazapine and its two main metabolites in human plasma by liquid chromatography with fluorescence detection. <i>Analytica Chimica Acta</i> , <b>2006</b> , 556, 281-288	6.6	14
40	Enantioseparation and quality control of biperiden in pharmaceutical formulations by capillary electrophoresis. <i>Analytica Chimica Acta</i> , <b>2006</b> , 560, 57-63	6.6	14
39	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> , <b>2002</b> , 949, 23-33	4.5	14
38	Whole blood and oral fluid microsampling for the monitoring of patients under treatment with antidepressant drugs. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2020</b> , 188, 113384	3.5	14

37	Determination of topiramate in human plasma by capillary electrophoresis with indirect UV detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2010</b> , 53, 1319-23	3.5	13
36	Determination of vigabatrin in human plasma by means of CE with LIF detection. <i>Electrophoresis</i> , <b>2007</b> , 28, 3535-41	3.6	13
35	Novel Atypical Antipsychotics: Metabolism and Therapeutic Drug Monitoring (TDM). <i>Current Drug Metabolism</i> , <b>2015</b> , 16, 141-51	3.5	13
34	New-generation, non-SSRI antidepressants: Drug-drug interactions and therapeutic drug monitoring. Part 2: NaSSAs, NRIs, SNDRIs, MASSAs, NDRIs, and others. <i>Medicinal Research Reviews</i> , <b>2020</b> , 40, 1794-1832	14.4	13
33	Evaluation of the pharmacokinetics, safety and clinical efficacy of sertraline used to treat social anxiety. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , <b>2013</b> , 9, 1495-505	5.5	12
32	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> , <b>2015</b> , 11, 149-74	5.5	11
31	Chiral analysis of amphetamines, methadone and metabolites in biological samples by electrodriven methods. <i>Electrophoresis</i> , <b>2011</b> , 32, 2629-39	3.6	11
30	Comparison of analytical methods for quality control of pharmaceutical formulations containing glutathione. <i>Chromatographia</i> , <b>1997</b> , 46, 17-22	2.1	11
29	Determination of clozapine in human plasma by solid-phase extraction and liquid chromatography with amperometric detection. <i>Chromatographia</i> , <b>1998</b> , 47, 8-12	2.1	11
28	Capillary electrophoretic analysis of the antibiotic vancomycin in innovative microparticles and in commercial formulations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2006</b> , 42, 32-8	3.5	11
27	Micelles based on polyvinyl alcohol substituted with oleic acid for targeting of lipophilic drugs. <i>Drug Delivery</i> , <b>2005</b> , 12, 21-6	7	11
26	Blood and Plasma Volumetric Absorptive Microsampling (VAMS) Coupled to LC-MS/MS for the Forensic Assessment of Cocaine Consumption. <i>Molecules</i> , <b>2020</b> , 25,	4.8	10
25	Determination of amphetamines in human urine by liquid chromatography with fluorimetric detection using a solid-phase extraction procedure. <i>Journal of Separation Science</i> , <b>2006</b> , 29, 2322-9	3.4	10
24	Quantitative microsampling for bioanalytical applications related to the SARS-CoV-2 pandemic: Usefulness, benefits and pitfalls. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2020</b> , 191, 113597	3.5	10
23	Fruit Quality Characterization of New Sweet Cherry Cultivars as a Good Source of Bioactive Phenolic Compounds with Antioxidant and Neuroprotective Potential. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	10
22	High-performance capillary electrophoretic determination of glutathione in human lymphocytes. <i>Journal of Separation Science</i> , <b>1998</b> , 10, 503-509		9
21	Possible levomepromazine-clozapine interaction: two case reports. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2007</b> , 31, 567-70	5.5	9
20	Microsampling and LC-MS/MS for antidoping testing of glucocorticoids in urine. <i>Bioanalysis</i> , <b>2020</b> , 12, 769-782	2.1	8

19	Dialyzability of Oxycodone and Its Metabolites in Chronic Noncancer Pain Patients with End-Stage Renal Disease. <i>Pain Practice</i> , <b>2017</b> , 17, 604-615	3	8
18	Separation and analysis of the major constituents of cloves by micellar electrokinetic chromatography. <i>Journal of Separation Science</i> , <b>2005</b> , 28, 966-72	3.4	8
17	Spectrophotometric determination of silicate traces in hemodialysis solutions. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>1999</b> , 20, 335-42	3.5	8
16	Assessment of capillary volumetric blood microsampling for the analysis of central nervous system drugs and metabolites. <i>Analyst, The</i> , <b>2020</b> , 145, 5744-5753	5	8
15	Free and Conjugated Phenolic Profiles and Antioxidant Activity in Quinoa Seeds and Their Relationship with Genotype and Environment. <i>Plants</i> , <b>2021</b> , 10,	4.5	8
14	An Original HPLC Method with Coulometric Detection to Monitor Hydroxyl Radical Generation via Fenton Chemistry. <i>Molecules</i> , <b>2019</b> , 24,	4.8	7
13	Analysis of Artemisia annua 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> , <b>2019</b> , 174, 81-88	3.5	5
12	In Vitro Anti-Inflammatory Effect of Ethanolic Extract on Primary Cultures of Porcine Aortic Endothelial Cells. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2019</b> , 2019, 6829173	6.7	5
11	Discontinued anxiolytic drugs (2009 - 2014). <i>Expert Opinion on Investigational Drugs</i> , <b>2015</b> , 24, 557-73	5.9	5
10	Electrodriven methods for the enantioseparation of second-generation antidepressant drugs: an update. <i>Electrophoresis</i> , <b>2008</b> , 29, 252-9	3.6	5
9	Metabolism of Drugs Used in the Therapy of Seizures: An Analytical Point of View. Part 1. <i>Current Drug Metabolism</i> , <b>2017</b> , 18, 735-756	3.5	5
8	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> , <b>2021</b> , 204, 114270	3.5	5
7	Enantioseparation of the antidepressant reboxetine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2008</b> , 48, 991-6	3.5	3
6	Dried Urine Microsampling Coupled to Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS) for the Analysis of Unconjugated Anabolic Androgenic Steroids. <i>Molecules</i> , <b>2020</b> , 25,	4.8	3
5	Enhanced urinary stability of peptide hormones and growth factors by dried urine microsampling. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2021</b> , 204, 114234	3.5	3
4	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> , <b>2003</b> , 792, 313-21	3.2	2
3	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> , <b>2021</b> , 195, 113873	3.5	1
2	Ion-Channel Antiepileptic Drugs: An Analytical Perspective on the Therapeutic Drug Monitoring (TDM) of Ezogabine, Lacosamide, and Zonisamide. <i>Analytical Journal of Analytical Chemistry and Chemical Analysis</i> , <b>2021</b> , 2, 171-194	1.4	0

1 (Kunth) Govaerts Leaf Extract Influences Cell Proliferation and Angiogenesis on Primary Cultures of Porcine Aortic Endothelial Cells. *Oxidative Medicine and Cellular Longevity*, **2020**, 2020, 2984613

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