Laura Mercolini

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110
papers

2,291
citations

28
h-index
g-index

117
ext. papers

2,805
ext. citations

4
5.29
L-index

#	Paper	IF	Citations
110	Benzodiazepine metabolism: an analytical perspective. <i>Current Drug Metabolism</i> , 2008 , 9, 827-44	3.5	100
109	Content of melatonin and other antioxidants in grape-related foodstuffs: measurement using a MEPS-HPLC-F method. <i>Journal of Pineal Research</i> , 2012 , 53, 21-8	10.4	87
108	HPLC-F analysis of melatonin and resveratrol isomers in wine using an SPE procedure. <i>Journal of Separation Science</i> , 2008 , 31, 1007-14	3.4	76
107	LC-MS/MS and volumetric absorptive microsampling for quantitative bioanalysis of cathinone analogues in dried urine, plasma and oral fluid samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 123, 186-94	3.5	74
106	Selective serotonin reuptake inhibitors (SSRIs): therapeutic drug monitoring and pharmacological interactions. <i>Current Medicinal Chemistry</i> , 2012 , 19, 1846-63	4.3	69
105	Tutorial: Volumetric absorptive microsampling (VAMS). <i>Analytica Chimica Acta</i> , 2019 , 1046, 32-47	6.6	64
104	Simultaneous analysis of classical neuroleptics, atypical antipsychotics and their metabolites in human plasma. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 388, 235-43	4.4	59
103	Analysis of risperidone and 9-hydroxyrisperidone in human plasma, urine and saliva by MEPS-LC-UV. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2011 , 879, 167-	73	51
102	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, 7242-8	4.5	48
101	Dried blood spots: liquid chromatography-mass spectrometry analysis of 9 -tetrahydrocannabinol and its main metabolites. <i>Journal of Chromatography A</i> , 2013 , 1271, 33-40	4.5	47
100	Simultaneous determination of fluvoxamine isomers and quetiapine in human plasma by means of high-performance liquid chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006 , 843, 227-33	3.2	46
99	Monitoring of chronic Cannabis abuse: an LC-MS/MS method for hair analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013 , 76, 119-25	3.5	41
98	Simultaneous analysis of diazepam and its metabolites in rat plasma and brain tissue by HPLC-UV and SPE. <i>Talanta</i> , 2009 , 80, 279-85	6.2	40
97	A rapid HPLC-DAD method for the analysis of fluoxetine and norfluoxetine in plasma from overdose patients. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004 , 36, 351-6	3.5	40
96	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	8.5	39
95	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	3.2	39
94	Biosampling strategies for emerging drugs of abuse: towards the future of toxicological and forensic analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 130, 202-219	3.5	39

(2008-2017)

93	Dried haematic microsamples and LC-MS/MS for the analysis of natural and synthetic cannabinoids. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1044-1045, 77-86	3.2	38	
92	Novel mucoadhesive nasal inserts based on chitosan/hyaluronate polyelectrolyte complexes for peptide and protein delivery. <i>Journal of Pharmacy and Pharmacology</i> , 2010 , 61, 151-157	4.8	37	
91	Analytical profiling of selected antioxidants and total antioxidant capacity of goji (Lycium spp.) berries. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 143, 252-260	3.5	35	
90	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	3.5	35	
89	Botanical Sources, Chemistry, Analysis, and Biological Activity of Furanocoumarins of Pharmaceutical Interest. <i>Molecules</i> , 2019 , 24,	4.8	34	
88	Analysis of Aloe-based phytotherapeutic products by using nano-LC-MS. <i>Journal of Separation Science</i> , 2010 , 33, 2663-70	3.4	34	
87	Simultaneous determination of the antipsychotic drugs levomepromazine and clozapine and their main metabolites in human plasma by a HPLC-UV method with solid-phase extraction. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007 , 846, 273-80	3.2	31	
86	Metabolism of benzodiazepine and non-benzodiazepine anxiolytic-hypnotic drugs: an analytical point of view. <i>Current Drug Metabolism</i> , 2010 , 11, 815-29	3.5	30	
85	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	3.2	30	
84	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, 81-7	3.2	30	
83	Cannabinoids from L.: A New Tool Based on HPLC-DAD-MS/MS for a Rational Use in Medicinal Chemistry. <i>ACS Medicinal Chemistry Letters</i> , 2019 , 10, 539-544	4.3	29	
82	Simultaneous HPLC-F analysis of three recent antiepileptic drugs in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010 , 53, 62-7	3.5	28	
81	Recent trends in the analysis of amino acids in fruits and derived foodstuffs. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 7941-56	4.4	26	
80	HPLC analysis of the antidepressant trazodone and its main metabolite m-CPP in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008 , 47, 882-7	3.5	26	
79	Determination of sertraline and N-desmethylsertraline in human plasma by CE with LIF detection. <i>Electrophoresis</i> , 2007 , 28, 1823-31	3.6	25	
78	Separation and HPLC analysis of 15 benzodiazepines in human plasma. <i>Journal of Separation Science</i> , 2008 , 31, 2619-26	3.4	25	
77	Quantitative analysis of cocaine in human hair by HPLC with fluorescence detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008 , 48, 456-61	3.5	25	
76	Determination of insulin in innovative formulations by means of LC coupled to fluorescence detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008 , 48, 1303-9	3.5	25	

75	Fast analysis of catecholamine metabolites MHPG and VMA in human plasma by HPLC with fluorescence detection and a novel SPE procedure. <i>Talanta</i> , 2009 , 78, 150-5	6.2	24
74	Vitamin C-Sources, Physiological Role, Kinetics, Deficiency, Use, Toxicity, and Determination. <i>Nutrients</i> , 2021 , 13,	6.7	23
73	Microextraction by packed sorbent (MEPS) to analyze catecholamines in innovative biological samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015 , 104, 122-9	3.5	22
72	Determination of plasma and urine levels of Delta9-tetrahydrocannabinol and its main metabolite by liquid chromatography after solid-phase extraction. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008 , 47, 156-63	3.5	22
71	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	4.3	22
70	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, 467-71	3.5	21
69	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	3.4	19
68	Multi-matrix assay of the first melatonergic antidepressant agomelatine by combined liquid chromatography-fluorimetric detection and microextraction by packed sorbent. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014 , 95, 61-7	3.5	19
67	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, 107-12	3.5	19
66	Fast analysis of amino acids in wine by capillary electrophoresis with laser-induced fluorescence detection. <i>Electrophoresis</i> , 2011 , 32, 2809-15	3.6	18
65	Simultaneous HPLC determination of 14 tricyclic antidepressants and metabolites in human plasma. <i>Journal of Separation Science</i> , 2010 , 33, 23-30	3.4	18
64	Fast CE analysis of adrenergic amines in different parts of Citrus aurantium fruit and dietary supplements. <i>Journal of Separation Science</i> , 2010 , 33, 2520-7	3.4	18
63	Increased oxytocin levels among abstinent heroin addicts: Association with aggressiveness, psychiatric symptoms and perceived childhood neglect. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017 , 75, 70-76	5.5	17
62	Biosurfactant from vaginal Lactobacillus crispatus BC1 as a promising agent to interfere with Candida adhesion. <i>Microbial Cell Factories</i> , 2020 , 19, 133	6.4	17
61	Berberine and exert a potential anticancer effect on colon cancer cells by acting on specific pathways. <i>International Journal of Immunopathology and Pharmacology</i> , 2019 , 33, 2058738419855567	3	17
60	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, 1694-701	5.7	17
59	Duloxetine plasma level and antidepressant response. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019 , 92, 127-132	5.5	17
58	Encapsulations of wild garlic (Allium ursinum L.) extract using spray congealing technology. <i>Food Research International</i> , 2019 , 119, 941-950	7	17

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57	Emerging challenges in the extraction, analysis and bioanalysis of cannabidiol and related compounds. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 192, 113633	3.5	17
56	Non-fatal overdose of duloxetine in combination with other antidepressants and benzodiazepines. World Journal of Biological Psychiatry, 2009 , 10, 385-9	3.8	16
55	Analytical Profiling of Bioactive Phenolic Compounds in Argan (Argania spinosa) Leaves by Combined Microextraction by Packed Sorbent (MEPS) and LC-DAD-MS/MS. <i>Phytochemical Analysis</i> , 2016 , 27, 41-9	3.4	16
54	Dried blood spot testing: a novel approach for the therapeutic drug monitoring of ziprasidone-treated patients. <i>Bioanalysis</i> , 2014 , 6, 1487-95	2.1	15
53	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, 141-7	6.6	15
52	Novel mixed vesicles containing lactobacilli biosurfactant for vaginal delivery of an anti-Candida agent. <i>European Journal of Pharmaceutical Sciences</i> , 2018 , 112, 95-101	5.1	15
51	Current advances in biosampling for therapeutic drug monitoring of psychiatric CNS drugs. <i>Bioanalysis</i> , 2015 , 7, 1925-42	2.1	14
50	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	6.6	14
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	3.5	14
48	Novel Atypical Antipsychotics: Metabolism and Therapeutic Drug Monitoring (TDM). <i>Current Drug Metabolism</i> , 2015 , 16, 141-51	3.5	13
47	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> , 2020 , 40, 1794-1832	14.4	13
46	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, 1495-505	5.5	12
45	Elletrahydrocannabinol-induced anti-inflammatory responses in adolescent mice switch to proinflammatory in adulthood. <i>Journal of Leukocyte Biology</i> , 2014 , 96, 523-34	6.5	12
44	Bioactive molecules as authenticity markers of Italian Chinotto (Citrushyrtifolia) fruits and beverages. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015 , 104, 75-80	3.5	11
43	L. Essential Oil Solid Formulation: Chemical Profile and Spasmolytic and Antimicrobial Effects. <i>Biomolecules</i> , 2020 , 10,	5.9	11
42	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, 149-74	5.5	11
41	Chiral analysis of amphetamines, methadone and metabolites in biological samples by electrodriven methods. <i>Electrophoresis</i> , 2011 , 32, 2629-39	3.6	11
40	Blood and Plasma Volumetric Absorptive Microsampling (VAMS) Coupled to LC-MS/MS for the Forensic Assessment of Cocaine Consumption. <i>Molecules</i> , 2020 , 25,	4.8	10

39	Comparison of analytical methods for the quality control of a new formulation containing soy extract and melatonin. <i>Journal of Separation Science</i> , 2008 , 31, 1851-9	3.4	10
38	Novel mucoadhesive nasal inserts based on chitosan/hyaluronate polyelectrolyte complexes for peptide and protein delivery. <i>Journal of Pharmacy and Pharmacology</i> , 2009 , 61, 151-7	4.8	10
37	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	3.5	10
36	Development of an electrochemical sensor based on carbon black for the detection of cannabidiol in vegetable extracts. <i>Analyst, The</i> , 2021 , 146, 612-619	5	10
35	Enhanced expression of the neuronal K+/Cl- cotransporter, KCC2, in spontaneously depressed Flinders Sensitive Line rats. <i>Brain Research</i> , 2010 , 1325, 112-20	3.7	9
34	Biological Properties of Vitamins of the B-Complex, Part 1: Vitamins B, B, B, and B <i>Nutrients</i> , 2022 , 14,	6.7	9
33	Microsampling and LC-MS/MS for antidoping testing of glucocorticoids in urine. <i>Bioanalysis</i> , 2020 , 12, 769-782	2.1	8
32	Dialyzability of Oxycodone and Its Metabolites in Chronic Noncancer Pain Patients with End-Stage Renal Disease. <i>Pain Practice</i> , 2017 , 17, 604-615	3	8
31	Analysis of Ehydroxy butyrate by combining capillary electrophoresis-indirect detection and wall dynamic coating: application to dried matrices. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 8893-9	90 ⁴ 1 ⁴	8
30	Assessment of capillary volumetric blood microsampling for the analysis of central nervous system drugs and metabolites. <i>Analyst, The</i> , 2020 , 145, 5744-5753	5	8
29	An Original HPLC Method with Coulometric Detection to Monitor Hydroxyl Radical Generation via Fenton Chemistry. <i>Molecules</i> , 2019 , 24,	4.8	7
28	Validation of a dried blood spot LC-MS/MS approach for cyclosporin A in cat blood: comparison with a classical sample preparation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012 , 66, 298-30	₅ 3.5	7
27	Phytochemical analysis and antibacterial activity towards methicillin-resistant Staphylococcus aureus of leaf extracts from Argania spinosa (L.) Skeels. <i>Plant Biosystems</i> , 2017 , 151, 649-656	1.6	6
26	Effects of oral d-aspartate on sperm quality in B6N mice. <i>Theriogenology</i> , 2018 , 121, 53-61	2.8	6
25	Treatment of Benign Prostatic Hyperplasia by Natural Drugs. <i>Molecules</i> , 2021 , 26,	4.8	6
24	Separation and non-separation methods for the analysis of cannabinoids in Cannabis sativa L. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 206, 114346	3.5	6
23	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> , 2019 , 174, 81-88	3.5	5
22	Discontinued anxiolytic drugs (2009 - 2014). Expert Opinion on Investigational Drugs, 2015 , 24, 557-73	5.9	5

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21	A simple, cheap but reliable method for evaluation of zinc chelating properties. <i>Bioorganic Chemistry</i> , 2018 , 77, 287-292	5.1	5	
20	Ketoconazole-associated preferential increase in dopamine D2 receptor occupancy in striatum compared to pituitary in vivo: role for drug transporters?. <i>Journal of Clinical Psychopharmacology</i> , 2012 , 32, 110-3	1.7	5	
19	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	3.5	5	
18	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	3.5	5	
17	Volumetric Absorptive Microsampling of Blood for Untargeted Lipidomics. <i>Molecules</i> , 2021 , 26,	4.8	4	
16	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,	4.8	3	
15	Enhanced urinary stability of peptide hormones and growth factors by dried urine microsampling. Journal of Pharmaceutical and Biomedical Analysis, 2021 , 204, 114234	3.5	3	
14	New Psychoactive Substances 2019 , 247-258		2	
13	Unambiguous determination of farnesol and tyrosol in vaginal fluid using fast and sensitive UHPLC-MS/MS method. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 6529-6541	4.4	2	
12	MASSIVE OPEN ONLINE COURSES (MOOCS) WITH OPEN EDUCATIONAL RESOURCES FOR TOXICOLOGY LEARNING - DRUGS AND POLLUTANTS AS XENOBIOTICS. <i>Environmental Engineering and Management Journal</i> , 2019 , 18, 1833-1842	0.6	2	
11	Linolenic Acid-Valproic Acid Conjugates: Toward Single-Molecule Polypharmacology for Multiple Sclerosis. <i>ACS Medicinal Chemistry Letters</i> , 2020 , 11, 2406-2413	4.3	2	
10	Improved Achiral and Chiral HPLC-UV Analysis of Ruxolitinib in Two Different Drug Formulations. <i>Separations</i> , 2020 , 7, 47	3.1	2	
9	Venlafaxine and O-desmethylvenlafaxine serum levels are positively associated with antidepressant response in elder depressed out-patients. <i>World Journal of Biological Psychiatry</i> , 2021 , 1-8	3.8	2	
8	Efficient enantioresolution of aromatic Ehydroxy acids with Cinchona alkaloid-based zwitterionic stationary phases and volatile polar-ionic eluents. <i>Analytica Chimica Acta</i> , 2021 , 1180, 338928	6.6	2	
7	Extremely High-Dosage Zolpidem Poisoning With Favorable Outcome. <i>Journal of Clinical Psychopharmacology</i> , 2021 , 41, 222-223	1.7	1	
6	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	3.5	1	
5	Enantioselective analysis of the methamphetamine precursors ephedrine and pseudoephedrine by capillary electrokinetic chromatography using cyclodextrins as chiral selectors. <i>Journal of Chromatography Open</i> , 2022 , 2, 100032		О	
4	Ion-Channel Antiepileptic Drugs: An Analytical Perspective on the Therapeutic Drug Monitoring (TDM) of Ezogabine, Lacosamide, and Zonisamide. <i>Analytica Journal of Analytical Chemistry and Chemical Analysis</i> , 2021 , 2, 171-194	1.4	О	

3	Original enantioseparation of illicit fentanyls with cellulose-based chiral stationary phases under polar-ionic conditions. <i>Journal of Chromatography A</i> , 2021 , 1643, 462088	4.5	0
2	Switch to 3-Month Long-Acting Injectable Paliperidone May Decrease Plasma Levels: A Case Series. Journal of Clinical Psychopharmacology, 2021 , 41, 694-696	1.7	O
1	Oral D-Aspartate Treatment Improves Sperm Fertility in Both Young and Adult B6N Mice. <i>Animals</i> , 2022 , 12, 1350	3.1	0