Laura Mercolini

List of Publications by Year in descending order

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116 papers 3,405 citations

34 h-index 50 g-index

117 all docs

117 docs citations

117 times ranked 3772 citing authors

#	Article	IF	Citations
1	Vitamin C—Sources, Physiological Role, Kinetics, Deficiency, Use, Toxicity, and Determination. Nutrients, 2021, 13, 615.	4.1	150
2	Benzodiazepine Metabolism: An Analytical Perspective. Current Drug Metabolism, 2008, 9, 827-844.	1.2	123
3	Tutorial: Volumetric absorptive microsampling (VAMS). Analytica Chimica Acta, 2019, 1046, 32-47.	5.4	119
4	Content of melatonin and other antioxidants in grapeâ€related foodstuffs: measurement using a MEPSâ€HPLCâ€F method. Journal of Pineal Research, 2012, 53, 21-28.	7.4	106
5	LC–MS/MS and volumetric absorptive microsampling for quantitative bioanalysis of cathinone analogues in dried urine, plasma and oral fluid samples. Journal of Pharmaceutical and Biomedical Analysis, 2016, 123, 186-194.	2.8	100
6	HPLCâ€F analysis of melatonin and resveratrol isomers in wine using an SPE procedure. Journal of Separation Science, 2008, 31, 1007-1014.	2.5	89
7	Selective Serotonin Reuptake Inhibitors (SSRIs): Therapeutic Drug Monitoring and Pharmacological Interactions. Current Medicinal Chemistry, 2012, 19, 1846-1863.	2.4	88
8	Simultaneous analysis of classical neuroleptics, atypical antipsychotics and their metabolites in human plasma. Analytical and Bioanalytical Chemistry, 2007, 388, 235-243.	3.7	69
9	Botanical Sources, Chemistry, Analysis, and Biological Activity of Furanocoumarins of Pharmaceutical Interest. Molecules, 2019, 24, 2163.	3.8	69
10	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, 167-173.	2.3	59
11	Biological Properties of Vitamins of the B-Complex, Part 1: Vitamins B1, B2, B3, and B5. Nutrients, 2022, 14, 484.	4.1	59
12	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.	2.3	58
13	Determination of aloe emodin in Aloe vera extracts and commercial formulations by HPLC with tandem UV absorption and fluorescence detection. Food Chemistry, 2011, 126, 387-393.	8.2	57
14	Biosampling strategies for emerging drugs of abuse: towards the future of toxicological and forensic analysis. Journal of Pharmaceutical and Biomedical Analysis, 2016, 130, 202-219.	2.8	56
15	Dried blood spots: Liquid chromatography–mass spectrometry analysis of Δ9-tetrahydrocannabinol and its main metabolites. Journal of Chromatography A, 2013, 1271, 33-40.	3.7	55
16	Simultaneous determination of fluvoxamine isomers and quetiapine in human plasma by means of high-performance liquid chromatography. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2006, 843, 227-233.	2.3	54
17	Determination of oxycodone and its major metabolites in haematic and urinary matrices: Comparison of traditional and miniaturised sampling approaches. Journal of Pharmaceutical and Biomedical Analysis, 2018, 152, 204-214.	2.8	53
18	Monitoring of chronic Cannabis abuse: An LC–MS/MS method for hair analysis. Journal of Pharmaceutical and Biomedical Analysis, 2013, 76, 119-125.	2.8	50

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19	Analysis of cocaine and two metabolites in dried blood spots by liquid chromatography with fluorescence detection: A novel test for cocaine and alcohol intake. Journal of Chromatography A, 2010, 1217, 7242-7248.	3.7	49
20	Simultaneous analysis of diazepam and its metabolites in rat plasma and brain tissue by HPLC-UV and SPE. Talanta, 2009, 80, 279-285.	5.5	46
21	Novel mucoadhesive nasal inserts based on chitosan/hyaluronate polyelectrolyte complexes for peptide and protein delivery. Journal of Pharmacy and Pharmacology, 2010, 61, 151-157.	2.4	44
22	A rapid HPLC-DAD method for the analysis of fluoxetine and norfluoxetine in plasma from overdose patients. Journal of Pharmaceutical and Biomedical Analysis, 2004, 36, 351-356.	2.8	43
23	Analysis of the second generation antidepressant venlafaxine and its main active metabolite O-desmethylvenlafaxine in human plasma by HPLC with spectrofluorimetric detection. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 856, 88-94.	2.3	43
24	Cannabinoids from <i>Cannabis sativa</i> L.: A New Tool Based on HPLCâ€"DADâ€"MS/MS for a Rational Use in Medicinal Chemistry. ACS Medicinal Chemistry Letters, 2019, 10, 539-544.	2.8	43
25	Biosurfactant from vaginal Lactobacillus crispatus BC1 as a promising agent to interfere with Candida adhesion. Microbial Cell Factories, 2020, 19, 133.	4.0	43
26	Analytical profiling of selected antioxidants and total antioxidant capacity of goji (Lycium spp.) berries. Journal of Pharmaceutical and Biomedical Analysis, 2017, 143, 252-260.	2.8	42
27	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. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 846, 273-280.	2.3	41
28	Analysis of Aloeâ€based phytotherapeutic products by using nano‣Câ€MS. Journal of Separation Science, 2010, 33, 2663-2670.	2.5	41
29	Treatment of Benign Prostatic Hyperplasia by Natural Drugs. Molecules, 2021, 26, 7141.	3.8	41
30	Metabolism of Benzodiazepine and Non-Benzodiazepine Anxiolytic-Hypnotic Drugs: an Analytical Point of View. Current Drug Metabolism, 2010, 11, 815-829.	1.2	39
31	Emerging challenges in the extraction, analysis and bioanalysis of cannabidiol and related compounds. Journal of Pharmaceutical and Biomedical Analysis, 2021, 192, 113633.	2.8	39
32	New-Generation, Non-SSRI Antidepressants: Therapeutic Drug Monitoring and Pharmacological Interactions. Part 1: SNRIs, SMSs, SARIs. Current Medicinal Chemistry, 2018, 25, 772-792.	2.4	39
33	Recent trends in the analysis of amino acids in fruits and derived foodstuffs. Analytical and Bioanalytical Chemistry, 2013, 405, 7941-7956.	3.7	38
34	HPLC analysis of the novel antidepressant duloxetine in human plasma after an original solid-phase extraction procedure. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 856, 81-87.	2.3	37
35	Berberine and <i>Tinospora cordifolia</i> exert a potential anticancer effect on colon cancer cells by acting on specific pathways. International Journal of Immunopathology and Pharmacology, 2019, 33, 205873841985556.	2.1	36
36	Newâ€generation, nonâ€SSRI antidepressants: Drugâ€drug interactions and therapeutic drug monitoring. Part 2: NaSSAs, NRIs, SNDRIs, MASSAs, NDRIs, and others. Medicinal Research Reviews, 2020, 40, 1794-1832.	10.5	34

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37	Simultaneous determination of methadone, buprenorphine and norbuprenorphine in biological fluids for therapeutic drug monitoring purposes. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 847, 95-102.	2.3	33
38	Quantitative analysis of cocaine in human hair by HPLC with fluorescence detection. Journal of Pharmaceutical and Biomedical Analysis, 2008, 48, 456-461.	2.8	32
39	Simultaneous HPLC-F analysis of three recent antiepileptic drugs in human plasma. Journal of Pharmaceutical and Biomedical Analysis, 2010, 53, 62-67.	2.8	32
40	Whole blood and oral fluid microsampling for the monitoring of patients under treatment with antidepressant drugs. Journal of Pharmaceutical and Biomedical Analysis, 2020, 188, 113384.	2.8	29
41	HPLC analysis of the antidepressant trazodone and its main metabolite m-CPP in human plasma. Journal of Pharmaceutical and Biomedical Analysis, 2008, 47, 882-887.	2.8	28
42	Fast analysis of catecholamine metabolites MHPG and VMA in human plasma by HPLC with fluorescence detection and a novel SPE procedure. Talanta, 2009, 78, 150-155.	5.5	28
43	A fast and feasible microextraction by packed sorbent (MEPS) procedure for HPLC analysis of the atypical antipsychotic ziprasidone in human plasma. Journal of Pharmaceutical and Biomedical Analysis, 2014, 88, 467-471.	2.8	28
44	Blood and Plasma Volumetric Absorptive Microsampling (VAMS) Coupled to LC-MS/MS for the Forensic Assessment of Cocaine Consumption. Molecules, 2020, 25, 1046.	3.8	28
45	Determination of sertraline and N-desmethylsertraline in human plasma by CE with LIF detection. Electrophoresis, 2007, 28, 1823-1831.	2.4	27
46	Separation and HPLC analysis of 15 benzodiazepines in human plasma. Journal of Separation Science, 2008, 31, 2619-2626.	2.5	27
47	Determination of insulin in innovative formulations by means of LC coupled to fluorescence detection. Journal of Pharmaceutical and Biomedical Analysis, 2008, 48, 1303-1309.	2.8	27
48	Microextraction by packed sorbent (MEPS) to analyze catecholamines in innovative biological samples. Journal of Pharmaceutical and Biomedical Analysis, 2015, 104, 122-129.	2.8	27
49	Fast CE analysis of adrenergic amines in different parts of Citrus aurantium fruit and dietary supplements. Journal of Separation Science, 2010, 33, 2520-2527.	2.5	26
50	Thymus vulgaris L. Essential Oil Solid Formulation: Chemical Profile and Spasmolytic and Antimicrobial Effects. Biomolecules, 2020, 10, 860.	4.0	26
51	Encapsulations of wild garlic (Allium ursinum L.) extract using spray congealing technology. Food Research International, 2019, 119, 941-950.	6.2	25
52	Determination of plasma and urine levels of î"9-tetrahydrocannabinol and its main metabolite by liquid chromatography after solid-phase extraction. Journal of Pharmaceutical and Biomedical Analysis, 2008, 47, 156-163.	2.8	24
53	Quantitative Evaluation of Auraptene and Umbelliferone, Chemopreventive Coumarins in Citrus Fruits, by HPLC-UV-FL-MS. Journal of Agricultural and Food Chemistry, 2013, 61, 1694-1701.	5. 2	24
54	Enantioseparation and determination of asenapine in biological fluid micromatrices by HPLC with diode array detection. Journal of Separation Science, 2018, 41, 1257-1265.	2.5	24

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55	Novel mixed vesicles containing lactobacilli biosurfactant for vaginal delivery of an anti- Candida agent. European Journal of Pharmaceutical Sciences, 2018, 112, 95-101.	4.0	24
56	Assessment of capillary volumetric blood microsampling for the analysis of central nervous system drugs and metabolites. Analyst, The, 2020, 145, 5744-5753.	3.5	24
57	Simultaneous HPLC determination of 14 tricyclic antidepressants and metabolites in human plasma. Journal of Separation Science, 2010, 33, 23-30.	2.5	23
58	Analytical Profiling of Bioactive Phenolic Compounds in Argan (⟨i⟩Argania spinosa⟨/i⟩) Leaves by Combined Microextraction by Packed Sorbent (MEPS) and LCâ€DADâ€MS/M⟨b⟩S⟨/b⟩. Phytochemical Analysis, 2016, 27, 41-49.	2.4	23
59	Duloxetine plasma level and antidepressant response. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2019, 92, 127-132.	4.8	23
60	Novel mucoadhesive nasal inserts based on chitosan/hyaluronate polyelectrolyte complexes for peptide and protein delivery. Journal of Pharmacy and Pharmacology, 2009, 61, 151-157.	2.4	23
61	Determination of homovanillic acid (HVA) in human plasma by HPLC with coulometric detection and a new SPE procedure. Journal of Pharmaceutical and Biomedical Analysis, 2006, 42, 107-112.	2.8	22
62	Microsampling and LC–MS/MS for antidoping testing of glucocorticoids in urine. Bioanalysis, 2020, 12, 769-782.	1.5	22
63	Non-fatal overdose of duloxetine in combination with other antidepressants and benzodiazepines. World Journal of Biological Psychiatry, 2009, 10, 385-389.	2.6	20
64	Fast analysis of amino acids in wine by capillary electrophoresis with laserâ€induced fluorescence detection. Electrophoresis, 2011, 32, 2809-2815.	2.4	20
65	Dried blood spot testing: a novel approach for the therapeutic drug monitoring of ziprasidone-treated patients. Bioanalysis, 2014, 6, 1487-1495.	1.5	20
66	Multi-matrix assay of the first melatonergic antidepressant agomelatine by combined liquid chromatography-fluorimetric detection and microextraction by packed sorbent. Journal of Pharmaceutical and Biomedical Analysis, 2014, 95, 61-67.	2.8	20
67	Increased oxytocin levels among abstinent heroin addicts: Association with aggressiveness, psychiatric symptoms and perceived childhood neglect. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2017, 75, 70-76.	4.8	20
68	Quantitative microsampling for bioanalytical applications related to the SARS-CoV-2 pandemic: Usefulness, benefits and pitfalls. Journal of Pharmaceutical and Biomedical Analysis, 2020, 191, 113597.	2.8	20
69	Current advances in biosampling for therapeutic drug monitoring of psychiatric CNS drugs. Bioanalysis, 2015, 7, 1925-1942.	1.5	19
70	Perspectives and strategies for anti-doping analysis. Bioanalysis, 2019, 11, 149-152.	1.5	19
71	Development of an electrochemical sensor based on carbon black for the detection of cannabidiol in vegetable extracts. Analyst, The, 2021, 146, 612-619.	3.5	18
72	Determination of the antidepressant paroxetine and its three main metabolites in human plasma by liquid chromatography with fluorescence detection. Analytica Chimica Acta, 2007, 591, 141-147.	5.4	17

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73	Evaluation of the pharmacokinetics, safety and clinical efficacy of sertraline used to treat social anxiety. Expert Opinion on Drug Metabolism and Toxicology, 2013, 9, 1495-1505.	3.3	17
74	î"9-Tetrahydrocannabinol-induced anti-inflammatory responses in adolescent mice switch to proinflammatory in adulthood. Journal of Leukocyte Biology, 2014, 96, 523-534.	3.3	17
75	An Original HPLC Method with Coulometric Detection to Monitor Hydroxyl Radical Generation via Fenton Chemistry. Molecules, 2019, 24, 3066.	3.8	16
76	Determination of the antidepressant mirtazapine and its two main metabolites in human plasma by liquid chromatography with fluorescence detection. Analytica Chimica Acta, 2006, 556, 281-288.	5.4	15
77	Discriminating different Cannabis sativa L. chemotypes using attenuated total reflectance - infrared (ATR-FTIR) spectroscopy: A proof of concept. Journal of Pharmaceutical and Biomedical Analysis, 2021, 204, 114270.	2.8	15
78	Novel Atypical Antipsychotics: Metabolism and Therapeutic Drug Monitoring (TDM). Current Drug Metabolism, 2015, 16, 141-151.	1.2	15
79	Evaluation of the pharmacokinetics, safety and clinical efficacy of ziprasidone for the treatment of schizophrenia and bipolar disorder. Expert Opinion on Drug Metabolism and Toxicology, 2015, 11, 149-174.	3.3	14
80	Dried Urine Microsampling Coupled to Liquid Chromatography—Tandem Mass Spectrometry (LC–MS/MS) for the Analysis of Unconjugated Anabolic Androgenic Steroids. Molecules, 2020, 25, 3210.	3.8	14
81	Chiral analysis of amphetamines, methadone and metabolites in biological samples by electrodriven methods. Electrophoresis, 2011, 32, 2629-2639.	2.4	12
82	Analysis of \hat{l}^3 -hydroxy butyrate by combining capillary electrophoresis-indirect detection and wall dynamic coating: application to dried matrices. Analytical and Bioanalytical Chemistry, 2015, 407, 8893-8901.	3.7	12
83	Bioactive molecules as authenticity markers of Italian Chinotto (Citrus×myrtifolia) fruits and beverages. Journal of Pharmaceutical and Biomedical Analysis, 2015, 104, 75-80.	2.8	12
84	Dialyzability of Oxycodone and Its Metabolites in Chronic Noncancer Pain Patients with Endâ€Stage Renal Disease. Pain Practice, 2017, 17, 604-615.	1.9	12
85	Enhanced urinary stability of peptide hormones and growth factors by dried urine microsampling. Journal of Pharmaceutical and Biomedical Analysis, 2021, 204, 114234.	2.8	12
86	Validation of a dried blood spot LC–MS/MS approach for cyclosporin A in cat blood: Comparison with a classical sample preparation. Journal of Pharmaceutical and Biomedical Analysis, 2012, 66, 298-305.	2.8	11
87	A simple, cheap but reliable method for evaluation of zinc chelating properties. Bioorganic Chemistry, 2018, 77, 287-292.	4.1	11
88	VAMS and StAGE as innovative tools for the enantioselective determination of clenbuterol in urine by LC-MS/MS. Journal of Pharmaceutical and Biomedical Analysis, 2021, 195, 113873.	2.8	11
89	Dried Volumetric Microsampling Approaches for the Therapeutic Drug Monitoring of Psychiatric Patients Undergoing Clozapine Treatment. Frontiers in Psychiatry, 2022, 13, .	2.6	11
90	Comparison of analytical methods for the quality control of a new formulation containing soy extract and melatonin. Journal of Separation Science, 2008, 31, 1851-1859.	2.5	10

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91	Enhanced expression of the neuronal K+/Clâ^' cotransporter, KCC2, in spontaneously depressed Flinders Sensitive Line rats. Brain Research, 2010, 1325, 112-120.	2.2	10
92	Phytochemical analysis and antibacterial activity towards methicillin-resistant Staphylococcus aureus of leaf extracts from Argania spinosa (L.) Skeels. Plant Biosystems, 2017, 151, 649-656.	1.6	10
93	Effects of oral d-aspartate on sperm quality in B6N mice. Theriogenology, 2018, 121, 53-61.	2.1	10
94	Analysis of Artemisia annua extracts and related products by high performance liquid chromatography-tandem mass spectrometry coupled to sample treatment miniaturisation. Journal of Pharmaceutical and Biomedical Analysis, 2019, 174, 81-88.	2.8	10
95	Separation and non-separation methods for the analysis of cannabinoids in Cannabis sativa L Journal of Pharmaceutical and Biomedical Analysis, 2021, 206, 114346.	2.8	10
96	Volumetric Absorptive Microsampling of Blood for Untargeted Lipidomics. Molecules, 2021, 26, 262.	3.8	9
97	Discontinued anxiolytic drugs (2009 – 2014). Expert Opinion on Investigational Drugs, 2015, 24, 557-573.	4.1	8
98	α-Linolenic Acid–Valproic Acid Conjugates: Toward Single-Molecule Polypharmacology for Multiple Sclerosis. ACS Medicinal Chemistry Letters, 2020, 11, 2406-2413.	2.8	8
99	Efficient enantioresolution of aromatic \hat{l} ±-hydroxy acids with Cinchona alkaloid-based zwitterionic stationary phases and volatile polar-ionic eluents. Analytica Chimica Acta, 2021, 1180, 338928.	5.4	8
100	Improved Achiral and Chiral HPLC-UV Analysis of Ruxolitinib in Two Different Drug Formulations. Separations, 2020, 7, 47.	2.4	7
101	Unambiguous determination of farnesol and tyrosol in vaginal fluid using fast and sensitive UHPLC-MS/MS method. Analytical and Bioanalytical Chemistry, 2020, 412, 6529-6541.	3.7	6
102	Metabolism of Drugs Used in the Therapy of Seizures: An Analytical Point of View. Part 1. Current Drug Metabolism, 2017, 18, 735-756.	1.2	6
103	Ketoconazole-Associated Preferential Increase in Dopamine D2 Receptor Occupancy in Striatum Compared to Pituitary In Vivo. Journal of Clinical Psychopharmacology, 2012, 32, 110-113.	1.4	5
104	Venlafaxine and O-desmethylvenlafaxine serum levels are positively associated with antidepressant response in elder depressed out-patients. World Journal of Biological Psychiatry, 2022, 23, 183-190.	2.6	5
105	Extraction, Encapsulation into Lipid Vesicular Systems, and Biological Activity of Rosa canina L. Bioactive Compounds for Dermocosmetic Use. Molecules, 2022, 27, 3025.	3.8	5
106	Original enantioseparation of illicit fentanyls with cellulose-based chiral stationary phases under polar-ionic conditions. Journal of Chromatography A, 2021, 1643, 462088.	3.7	4
107	Metabolic Syndrome in Schizophrenia: Focus on the Role of Antipsychotic Medications and Indications for Therapeutic Drug Monitoring (TDM) Methods. Frontiers in Clinical Drug Research Diabetes and Obesity, 2020, , 1-65.	0.1	4
108	MASSIVE OPEN ONLINE COURSES (MOOCS) WITH OPEN EDUCATIONAL RESOURCES FOR TOXICOLOGY LEARNING - DRUGS AND POLLUTANTS AS XENOBIOTICS. Environmental Engineering and Management Journal, 2019, 18, 1833-1842.	0.6	4

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109	Switch to 3-Month Long-Acting Injectable Paliperidone May Decrease Plasma Levels. Journal of Clinical Psychopharmacology, 2021, 41, 694-696.	1.4	3
110	New Psychoactive Substances. , 2019, , 247-258.		2
111	Extremely High-Dosage Zolpidem Poisoning With Favorable Outcome. Journal of Clinical Psychopharmacology, 2021, 41, 222-223.	1.4	2
112	Ion-Channel Antiepileptic Drugs: An Analytical Perspective on the Therapeutic Drug Monitoring (TDM) of Ezogabine, Lacosamide, and Zonisamide. Analyticaâ€"A Journal of Analytical Chemistry and Chemical Analysis, 2021, 2, 171-194.	1.7	2
113	Enantioselective analysis of the methamphetamine precursors ephedrine and pseudoephedrine by capillary electrokinetic chromatography using cyclodextrins as chiral selectors. Journal of Chromatography Open, 2022, 2, 100032.	2.2	2
114	Oral D-Aspartate Treatment Improves Sperm Fertility in Both Young and Adult B6N Mice. Animals, 2022, 12, 1350.	2.3	1
115	Optimized Extraction of Amikacin from Murine Whole Blood. Molecules, 2021, 26, 665.	3.8	O
116	Therapeutic Drug Monitoring of Antidepressant by Minimally-Invasive Techniques in Eating Disorders Patients: A Clinical Research Report with A Focus on Vortioxetine. Archives of Clinical and Medical Case Reports, 2021, 05, .	0.1	0