

# Emilia Marchei

## List of Publications by Citations

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|-------------------|-------------------------|----------------|-----------------|
| 87<br>papers      | 2,147<br>citations      | 28<br>h-index  | 41<br>g-index   |
| 89<br>ext. papers | 2,420<br>ext. citations | 3.5<br>avg, IF | 4.58<br>L-index |

| #  | Paper   | IF   | Citations |
|----|---|------|-----------|
| 87 | Assessment of exposure to opiates and cocaine during pregnancy in a Mediterranean city: preliminary results of the "Meconium Project". <i>Forensic Science International</i> , <b>2005</b> , 153, 59-65   | 2.6  | 80        |
| 86 | Liquid chromatography/electrospray ionization tandem mass spectrometry assay for determination of nicotine and metabolites, caffeine and arecoline in breast milk. <i>Rapid Communications in Mass Spectrometry</i> , <b>2007</b> , 21, 2693-703  | 2.2  | 74        |
| 85 | Simultaneous analysis of frequently used licit and illicit psychoactive drugs in breast milk by liquid chromatography tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2011</b> , 55, 309-16   | 3.5  | 72        |
| 84 | Ethyl glucuronide and ethyl sulfate in meconium and hair-potential biomarkers of intrauterine exposure to ethanol. <i>Forensic Science International</i> , <b>2010</b> , 196, 74-7  | 2.6  | 70        |
| 83 | Evaluation of cannabinoids concentration and stability in standardized preparations of cannabis tea and cannabis oil by ultra-high performance liquid chromatography tandem mass spectrometry. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2017</b> , 55, 1555-1563                                | 5.9  | 68        |
| 82 | Method Development in Forensic Toxicology. <i>Current Pharmaceutical Design</i> , <b>2017</b> , 23, 5455-5467   | 3.3  | 63        |
| 81 | Development and validation of a high-performance liquid chromatography-mass spectrometry assay for determination of amphetamine, methamphetamine, and methylenedioxy derivatives in meconium. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 2124-32   | 7.8  | 54        |
| 80 | A rapid and simple procedure for the determination of cannabinoids in hemp food products by gas chromatography-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2005</b> , 36, 939-46   | 3.5  | 54        |
| 79 | High performance liquid chromatography-diode array and electrospray-mass spectrometry analysis of vardenafil, sildenafil, tadalafil, testosterone and local anesthetics in cosmetic creams sold on the Internet web sites. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2009</b> , 50, 362-9 | 3.5  | 52        |
| 78 | Liquid chromatography-tandem mass spectrometry for fatty acid ethyl esters in meconium: assessment of prenatal exposure to alcohol in two European cohorts. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2008</b> , 48, 927-33   | 3.5  | 51        |
| 77 | Development and validation of a liquid chromatography-mass spectrometry assay for the determination of opiates and cocaine in meconium. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2003</b> , 794, 281-92   | 3.2  | 49        |
| 76 | Liquid chromatography-atmospheric pressure ionization electrospray mass spectrometry determination of "hallucinogenic designer drugs" in urine of consumers. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2008</b> , 47, 335-42  | 3.5  | 47        |
| 75 | New synthetic opioids in biological and non-biological matrices: A review of current analytical methods. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2018</b> , 102, 1-15   | 14.6 | 46        |
| 74 | Assessment of prenatal exposure to ethanol by meconium analysis: results of an Italian multicenter study. <i>Alcoholism: Clinical and Experimental Research</i> , <b>2012</b> , 36, 417-24  | 3.7  | 45        |
| 73 | Quantification of the plant-derived hallucinogen Salvinorin A in conventional and non-conventional biological fluids by gas chromatography/mass spectrometry after Salvia divinorum smoking. <i>Rapid Communications in Mass Spectrometry</i> , <b>2005</b> , 19, 1649-56                                     | 2.2  | 45        |
| 72 | Evaluation of long-term stability of cannabinoids in standardized preparations of cannabis flowering tops and cannabis oil by ultra-high-performance liquid chromatography tandem mass spectrometry. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2018</b> , 56, 94-96                              | 5.9  | 45        |
| 71 | Testing ethylglucuronide in maternal hair and nails for the assessment of fetal exposure to alcohol: comparison with meconium testing. <i>Therapeutic Drug Monitoring</i> , <b>2013</b> , 35, 402-7   | 3.2  | 43        |

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|----|---|------|----|
| 70 | A rapid and simple procedure for the determination of ephedrine alkaloids in dietary supplements by gas chromatography-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2006</b> , 41, 1633-41  | 3.5  | 40 |
| 69 | Ultra-high performance liquid chromatography tandem mass spectrometry (UHPLC-MS/MS) for determination of GHB, precursors and metabolites in different specimens: Application to clinical and forensic cases. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2017</b> , 137, 123-131          | 3.5  | 39 |
| 68 | Liquid chromatography-electrospray ionization mass spectrometry determination of methylphenidate and ritalinic acid in conventional and non-conventional biological matrices. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2009</b> , 49, 434-9  | 3.5  | 36 |
| 67 | High-performance liquid chromatography-diode array and electrospray-mass spectrometry analysis of non-allowed substances in cosmetic products for preventing hair loss and other hormone-dependent skin diseases. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2008</b> , 48, 641-8        | 3.5  | 36 |
| 66 | New vesicular ampicillin-loaded delivery systems for topical application: characterization, in vitro permeation experiments and antimicrobial activity. <i>Journal of Controlled Release</i> , <b>2004</b> , 95, 67-74  | 11.7 | 36 |
| 65 | Liquid chromatography with tandem mass spectrometric detection for the measurement of ethyl glucuronide and ethyl sulfate in meconium: new biomarkers of gestational ethanol exposure?. <i>Therapeutic Drug Monitoring</i> , <b>2008</b> , 30, 725-32   | 3.2  | 35 |
| 64 | Prevalence of gestational exposure to cannabis in a Mediterranean city by meconium analysis. <i>Acta Paediatrica, International Journal of Paediatrics</i> , <b>2007</b> , 96, 1734-7   | 3.1  | 35 |
| 63 | Development and validation of a high-performance liquid chromatography-mass spectrometry assay for methylxanthines and taurine in dietary supplements. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2005</b> , 37, 499-507   | 3.5  | 33 |
| 62 | Antiretroviral prophylaxis for breastfeeding transmission in Malawi: drug concentrations, virological efficacy and safety. <i>Antiviral Therapy</i> , <b>2012</b> , 17, 1511-9  | 1.6  | 32 |
| 61 | Population Baseline of Meconium Ethyl Glucuronide and Ethyl Sulfate Concentrations in Newborns of Nondrinking Women in 2 Mediterranean Cohorts. <i>Therapeutic Drug Monitoring</i> , <b>2010</b> , 32, 359-63   | 3.2  | 32 |
| 60 | Quantification of Delta9-tetrahydrocannabinol and its major metabolites in meconium by gas chromatographic-mass spectrometric assay: assay validation and preliminary results of the "meconium project". <i>Therapeutic Drug Monitoring</i> , <b>2006</b> , 28, 700-6                                       | 3.2  | 29 |
| 59 | Quantification of arecoline (areca nut alkaloid) in neonatal biological matrices by high-performance liquid chromatography/electrospray quadrupole mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2003</b> , 17, 1958-64  | 2.2  | 28 |
| 58 | Fetal exposure to ethanol: relationship between ethyl glucuronide in maternal hair during pregnancy and ethyl glucuronide in neonatal meconium. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2016</b> , 54, 427-35  | 5.9  | 27 |
| 57 | Ultra-high-pressure liquid chromatography tandem mass spectrometry determination of hallucinogenic drugs in hair of psychedelic plants and mushrooms consumers. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2014</b> , 100, 284-289   | 3.5  | 27 |
| 56 | Ultra-high-pressure liquid chromatography tandem mass spectrometry determination of antidepressant and anxiolytic drugs in neonatal meconium and maternal hair. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2016</b> , 118, 9-16  | 3.5  | 26 |
| 55 | Identification and quantification of 11-nor-9-tetrahydrocannabinol-9-carboxylic acid glucuronide (THC-COOH-glu) in hair by ultra-performance liquid chromatography tandem mass spectrometry as a potential hair biomarker of cannabis use. <i>Forensic Science International</i> , <b>2015</b> , 249, 47-51 | 2.6  | 26 |
| 54 | On-site screening and GC-MS analysis of cocaine and heroin metabolites in body-packers urine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2008</b> , 48, 383-7  | 3.5  | 25 |
| 53 | Neonatal withdrawal syndrome after chronic maternal drinking of mate. <i>Therapeutic Drug Monitoring</i> , <b>2007</b> , 29, 127-9  | 3.2  | 25 |

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|----|--|-----|----|
| 52 | Development and validation of a gas chromatography-mass spectrometry assay for opiates and cocaine in human teeth. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2006</b> , 40, 662-8  | 3.5 | 24 |
| 51 | Concentrations of tenofovir, lamivudine and efavirenz in mothers and children enrolled under the Option B-Plus approach in Malawi. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2016</b> , 71, 1027-30  | 5.1 | 24 |
| 50 | Simultaneous determination of zidovudine and nevirapine in human plasma by RP-LC. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2002</b> , 29, 1081-8  | 3.5 | 23 |
| 49 | Dilute and shoot ultra-high performance liquid chromatography tandem mass spectrometry (UHPLC-MS/MS) analysis of psychoactive drugs in oral fluid. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2019</b> , 170, 63-67                       | 3.5 | 22 |
| 48 | Development and validation of a liquid chromatography-tandem mass spectrometry assay for hair analysis of atomoxetine and its metabolites: Application in clinical practice. <i>Forensic Science International</i> , <b>2012</b> , 218, 62-7                 | 2.6 | 22 |
| 47 | Correlation between methylphenidate and ritalinic acid concentrations in oral fluid and plasma. <i>Clinical Chemistry</i> , <b>2010</b> , 56, 585-92   | 5.5 | 22 |
| 46 | 3,4-methylenedioxymethamphetamine (MDMA) intoxication in an infant chronically exposed to cocaine. <i>Therapeutic Drug Monitoring</i> , <b>2005</b> , 27, 409-11   | 3.2 | 22 |
| 45 | Identification and quantification of psychoactive drugs in whole blood using dried blood spot (DBS) by ultra-performance liquid chromatography tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2016</b> , 128, 53-60 | 3.5 | 22 |
| 44 | Pharmacokinetics of methylphenidate in oral fluid and sweat of a pediatric subject. <i>Forensic Science International</i> , <b>2010</b> , 196, 59-63   | 2.6 | 21 |
| 43 | Are false-positive phencyclidine immunoassay instant-view multi-test results caused by overdose concentrations of Ibuprofen, metamizol, and dextromethorphan?. <i>Therapeutic Drug Monitoring</i> , <b>2007</b> , 29, 671-3                                  | 3.2 | 21 |
| 42 | Determination of arecoline (areca nut alkaloid) and nicotine in hair by high-performance liquid chromatography/electrospray quadrupole mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2005</b> , 19, 3416-8                        | 2.2 | 21 |
| 41 | Determination of atomoxetine and its metabolites in conventional and non-conventional biological matrices by liquid chromatography-tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2012</b> , 60, 26-31              | 3.5 | 20 |
| 40 | Development and validation of a liquid chromatography-mass spectrometry assay for hair analysis of methylphenidate. <i>Forensic Science International</i> , <b>2008</b> , 176, 42-6  | 2.6 | 20 |
| 39 | Maternal hair testing to disclose self-misreporting in drinking and smoking behavior during pregnancy. <i>Alcohol</i> , <b>2018</b> , 67, 1-6  | 2.7 | 20 |
| 38 | Intoxication caused by new psychostimulants: analytical methods to disclose acute and chronic use of benzofurans and ethylphenidate. <i>International Journal of Legal Medicine</i> , <b>2017</b> , 131, 1543-1553   | 3.1 | 19 |
| 37 | Rapid extraction, identification and quantification of drugs of abuse in hair by immunoassay and ultra-performance liquid chromatography tandem mass spectrometry. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2014</b> , 52, 679-86              | 5.9 | 19 |
| 36 | Ultrasensitive detection of nicotine and cotinine in teeth by high-performance liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2008</b> , 22, 2609-12  | 2.2 | 19 |
| 35 | A rapid and simple procedure for the determination of synephrine in dietary supplements by gas chromatography-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2006</b> , 41, 1468-72  | 3.5 | 19 |

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|----|---|-----|----|
| 34 | Application of a validated high-performance liquid chromatography-mass spectrometry assay to the analysis of m- and p-hydroxybenzoylecgonine in meconium. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2005</b> , 820, 151-6                              | 3.2 | 18 |
| 33 | Advances in the analysis of non-allowed pharmacologically active substances in cosmetic products. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2011</b> , 55, 842-7  | 3.5 | 17 |
| 32 | Stability of cannabinoids in cannabis FM1 flowering tops and oil preparation evaluated by ultra-high performance liquid chromatography tandem mass spectrometry. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2019</b> , 57, e165-e168  | 5.9 | 17 |
| 31 | Chemsex intoxication involving sildenafil as an adulterant of GHB. <i>Drug Testing and Analysis</i> , <b>2017</b> , 9, 956-959  | 3.5 | 15 |
| 30 | Segmental hair testing to disclose chronic exposure to psychoactive drugs. <i>Revista De Psicologia De La Salud</i> , <b>2016</b> , 28, 158-62  | 1   | 14 |
| 29 | Assessment of unsuspected exposure to drugs of abuse in children from a Mediterranean city by hair testing. <i>International Journal of Environmental Research and Public Health</i> , <b>2014</b> , 11, 2288-98  | 4.6 | 12 |
| 28 | Hair and urine testing to assess drugs of abuse consumption in couples undergoing assisted reproductive technology (ART). <i>Forensic Science International</i> , <b>2012</b> , 218, 57-61  | 2.6 | 12 |
| 27 | Usefulness of sweat testing for the detection of methylphenidate after fast- and extended-release drug administration: a pilot study. <i>Therapeutic Drug Monitoring</i> , <b>2010</b> , 32, 508-11   | 3.2 | 11 |
| 26 | Breast Milk and Hair Testing to Detect Illegal Drugs, Nicotine, and Caffeine in Donors to a Human Milk Bank. <i>Journal of Human Lactation</i> , <b>2016</b> , 32, 542-5  | 2.6 | 10 |
| 25 | Drugs of abuse in maternal hair and paired neonatal meconium: an objective assessment of foetal exposure to gestational consumption. <i>Drug Testing and Analysis</i> , <b>2016</b> , 8, 864-8  | 3.5 | 10 |
| 24 | Concentrations of atomoxetine and its metabolites in plasma and oral fluid from paediatric patients with attention deficit/hyperactivity disorder. <i>Drug Testing and Analysis</i> , <b>2013</b> , 5, 446-52   | 3.5 | 9  |
| 23 | Sweat testing for the detection of atomoxetine from paediatric patients with attention deficit/hyperactivity disorder: application to clinical practice. <i>Drug Testing and Analysis</i> , <b>2013</b> , 5, 191-5  | 3.5 | 9  |
| 22 | Magic truffles or Philosopher's stones: a legal way to sell psilocybin?. <i>Drug Testing and Analysis</i> , <b>2013</b> , 5, 182-5  | 3.5 | 9  |
| 21 | Assay of gamma-glutamylcysteine synthetase activity in <i>Plasmodium berghei</i> by liquid chromatography with electrochemical detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2001</b> , 25, 759-65   | 3.5 | 9  |
| 20 | UHPLC-HRMS and GC-MS Screening of a Selection of Synthetic Cannabinoids and Metabolites in Urine of Consumers. <i>Medicina (Lithuania)</i> , <b>2020</b> , 56,  | 3.1 | 8  |
| 19 | Stability and Degradation Pathways of Different Psychoactive Drugs in Neat and in Buffered Oral Fluid. <i>Journal of Analytical Toxicology</i> , <b>2020</b> , 44, 570-579  | 2.9 | 7  |
| 18 | Nonnucleoside reverse transcriptase inhibitor concentrations during treatment interruptions and the emergence of resistance: a substudy of the ISS-PART Trial. <i>AIDS Research and Human Retroviruses</i> , <b>2010</b> , 26, 541-5  | 1.6 | 7  |
| 17 | Ultra-High Performance Liquid Chromatography-High Resolution Mass Spectrometry and High-Sensitivity Gas Chromatography-Mass Spectrometry Screening of Classic Drugs and New Psychoactive Substances and Metabolites in Urine of Consumers. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22, | 6.3 | 7  |

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|----|---|-----|---|
| 16 | Measurement of iodide and caffeine content in cellulite reduction cosmetic products sold in the European market. <i>Analytical Methods</i> , <b>2013</b> , 5, 376-383   | 3.2 | 6 |
| 15 | SIMULTANEOUS LIQUID CHROMATOGRAPHIC DETERMINATION OF INDINAVIR, SAQUINAVIR, AND RITONAVIR IN HUMAN PLASMA WITH COMBINED ULTRAVIOLET ABSORBANCE AND ELECTROCHEMICAL DETECTION. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>2001</b> , 24, 2325-2336                    | 1.3 | 5 |
| 14 | Is "light cannabis" really light? Determination of cannabinoids content in commercial products. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2020</b> , 58, e175-e177   | 5.9 | 5 |
| 13 | Determination of the Synthetic Cannabinoids JWH-122, JWH-210, UR-144 in Oral Fluid of Consumers by GC-MS and Quantification of Parent Compounds and Metabolites by UHPLC-MS/MS. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,  | 6.3 | 4 |
| 12 | Novel fast ultra-performance liquid chromatography-tandem mass spectrometry (UHPLC-MS/MS) and extraction of ethylglucuronide in meconium samples. <i>Drug Testing and Analysis</i> , <b>2019</b> , 11, 1471-1475  | 3.5 | 3 |
| 11 | The importance of biomarkers of fetal exposure to alcohol and psychotropic drugs in early diagnosis: A case report. <i>Drug Testing and Analysis</i> , <b>2018</b> , 10, 895-898  | 3.5 | 3 |
| 10 | Analytical Strategies to Disclose Repeated Consumption of New Psychoactive Substances by Hair Analysis. <i>Current Pharmaceutical Biotechnology</i> , <b>2017</b> , 18, 834-839   | 2.6 | 3 |
| 9  | Systematic toxicological analysis of Indian herbal ready-to-chew pouches by gas chromatography mass spectrometry. <i>Toxicologie Analytique Et Clinique</i> , <b>2011</b> , 23, 205-210   | 0.4 | 3 |
| 8  | Role of Neonatal Biomarkers of Exposure to Psychoactive Substances to Identify Maternal Socio-Demographic Determinants. <i>Biology</i> , <b>2021</b> , 10,  | 4.9 | 2 |
| 7  | High Performance Liquid Chromatography Tandem Mass Spectrometry Measurement of Bimatoprost, Latanoprost and Travoprost in Eyelash Enhancing Cosmetic Serums. <i>Cosmetics</i> , <b>2016</b> , 3, 4  | 2.7 | 2 |
| 6  | Prevalence of Licit and Illicit Drugs Use during Pregnancy in Mexican Women.. <i>Pharmaceuticals</i> , <b>2022</b> , 15,  | 5.2 | 2 |
| 5  | Morphological analysis of the interaction of charged surfactant vesicles (SVs) with human cultured cells. <i>Biotechnic and Histochemistry</i> , <b>1999</b> , 74, 77-84  | 1.8 | 1 |
| 4  | Assessment of licit and illicit drugs consumption during pregnancy by Ultra-High Performance Liquid Chromatography-High Resolution Mass Spectrometry (UHPLC-HRMS) target screening in Mexican women hair.. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2022</b> , 211, 114607 | 3.5 | 1 |
| 3  | New Synthetic Opioids Use among Patients in Treatment for an Opioid Use Disorder in Barcelona.. <i>European Addiction Research</i> , <b>2022</b> , 1-8  | 4.6 | 1 |
| 2  | New Psychoactive Substances Consumption in Opioid-Use Disorder Patients. <i>Biology</i> , <b>2022</b> , 11, 645   | 4.9 | 0 |
| 1  | Clinical features and risk factors associated with prenatal exposure to drugs of abuse. <i>Anales De Pediatr a (English Edition)</i> , <b>2021</b> , 95, 307-320  | 0.4 |   |