

Josep Marcos

List of Publications by Year in descending order

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66
papers

3,012
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147801

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168389

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docs citations

66
times ranked

3205
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Evaluation of Metabolic Changes in Acute Intermittent Porphyrin Patients by Targeted Metabolomics. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3219. | 4.1 | 7 |
| 2 | SULFATION PATHWAYS: Alternate steroid sulfation pathways targeted by LC-MS/MS analysis of disulfates: application to prenatal diagnosis of steroid synthesis disorders. <i>Journal of Molecular Endocrinology</i> , 2018, 61, M1-M12. | 2.5 | 20 |
| 3 | Targeting human urinary metabolome by LC-MS/MS: a review. <i>Bioanalysis</i> , 2018, 10, 489-516. | 1.5 | 42 |
| 4 | Evaluation of markers out of the steroid profile for the screening of testosterone misuse. Part II: Intramuscular administration. <i>Drug Testing and Analysis</i> , 2018, 10, 849-859. | 2.6 | 12 |
| 5 | Evaluation of markers out of the steroid profile for the screening of testosterone misuse. Part I: Transdermal administration. <i>Drug Testing and Analysis</i> , 2018, 10, 821-831. | 2.6 | 16 |
| 6 | GC/MS in Recent Years Has Defined the Normal and Clinically Disordered Steroidome: Will It Soon Be Surpassed by LC/Tandem MS in This Role?. <i>Journal of the Endocrine Society</i> , 2018, 2, 974-996. | 0.2 | 57 |
| 7 | 2-picolyamine derivatization for high sensitivity detection of abscisic acid in apicomplexan blood-infecting parasites. <i>Talanta</i> , 2017, 168, 130-135. | 5.5 | 6 |
| 8 | Quantifying endogenous androgens, estrogens, pregnenolone and progesterone metabolites in human urine by gas chromatography tandem mass spectrometry. <i>Talanta</i> , 2017, 169, 20-29. | 5.5 | 40 |
| 9 | Binge ethanol drinking during adolescence modifies cocaine responses in mice. <i>Journal of Psychopharmacology</i> , 2017, 31, 86-95. | 4.0 | 8 |
| 10 | Comprehensive analysis of the tryptophan metabolome in urine of patients with acute intermittent porphyria. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1060, 347-354. | 2.3 | 23 |
| 11 | Targeting tryptophan and tyrosine metabolism by liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1434, 91-101. | 3.7 | 72 |
| 12 | Potential of atmospheric pressure chemical ionization source in gas chromatography tandem mass spectrometry for the screening of urinary exogenous androgenic anabolic steroids. <i>Analytica Chimica Acta</i> , 2016, 906, 128-138. | 5.4 | 29 |
| 13 | Current LC-MS methods and procedures applied to the identification of new steroid metabolites. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 162, 41-56. | 2.5 | 44 |
| 14 | Chronic pain causes a persistent anxiety state leading to increased ethanol intake in CD1 mice. <i>Journal of Psychopharmacology</i> , 2016, 30, 188-203. | 4.0 | 29 |
| 15 | Maternal separation induces neuroinflammation and long-lasting emotional alterations in mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2016, 65, 104-117. | 4.8 | 110 |
| 16 | Factors affecting urinary excretion of testosterone metabolites conjugated with cysteine. <i>Drug Testing and Analysis</i> , 2016, 8, 110-119. | 2.6 | 7 |
| 17 | Mass spectrometric characterisation of a condensation product between porphobilinogen and indolylacryloylglycine in urine of patients with acute intermittent porphyria. <i>Journal of Mass Spectrometry</i> , 2015, 50, 929-937. | 1.6 | 1 |
| 18 | Increased and Mistimed Sex Hormone Production in Night Shift Workers. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2015, 24, 854-863. | 2.5 | 54 |

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|----|--|------|-----------|
| 19 | Formation of $\hat{1}$ and $\hat{6}$ testosterone metabolites by human hepatocytes. <i>Steroids</i> , 2015, 95, 66-72. | 1.8 | 7 |
| 20 | Untargeted Metabolomics in Doping Control: Detection of New Markers of Testosterone Misuse by Ultrahigh Performance Liquid Chromatography Coupled to High-Resolution Mass Spectrometry. <i>Analytical Chemistry</i> , 2015, 87, 8373-8380. | 6.5 | 39 |
| 21 | Urinary cysteinyl progestogens: Occurrence and origin. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015, 152, 53-61. | 2.5 | 10 |
| 22 | Derivatization of steroids in biological samples for GC-MS and LC-MS analyses. <i>Bioanalysis</i> , 2015, 7, 2515-2536. | 1.5 | 71 |
| 23 | Ultra high performance liquid chromatography tandem mass spectrometric detection of glucuronides resistant to enzymatic hydrolysis: Implications to doping control analysis. <i>Analytica Chimica Acta</i> , 2015, 895, 35-44. | 5.4 | 17 |
| 24 | Evaluation of the reporting level to detect triamcinolone acetonide misuse in sports. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015, 145, 94-102. | 2.5 | 18 |
| 25 | Detection and characterization of triamcinolone acetonide metabolites in human urine by liquid chromatography/tandem mass spectrometry after intramuscular administration. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1829-1839. | 1.5 | 21 |
| 26 | Microwave-assisted derivatization: Application to steroid profiling by gas chromatography/mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 960, 8-13. | 2.3 | 24 |
| 27 | Analytical strategies based on mass spectrometric techniques for the study of steroid metabolism. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 53, 106-116. | 11.4 | 74 |
| 28 | Evaluation of urinary excretion of androgens conjugated to cysteine in human pregnancy by mass spectrometry. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2014, 139, 192-200. | 2.5 | 18 |
| 29 | Investigation of endogenous corticosteroids profiles in human urine based on liquid chromatography tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2014, 812, 92-104. | 5.4 | 60 |
| 30 | Circadian Variation of Melatonin, Light Exposure, and Diurnal Preference in Day and Night Shift Workers of Both Sexes. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2014, 23, 1176-1186. | 2.5 | 66 |
| 31 | Mass spectrometric behavior of anabolic androgenic steroids using gas chromatography coupled to atmospheric pressure chemical ionization source. Part I: Ionization. <i>Journal of Mass Spectrometry</i> , 2014, 49, 509-521. | 1.6 | 33 |
| 32 | Adrenal hormonal imbalance in acute intermittent porphyria patients: results of a case control study. <i>Orphanet Journal of Rare Diseases</i> , 2014, 9, 54. | 2.7 | 11 |
| 33 | Detection, synthesis and characterization of metabolites of steroid hormones conjugated with cysteine. <i>Steroids</i> , 2013, 78, 327-336. | 1.8 | 37 |
| 34 | Urinary profile of methylprednisolone and its metabolites after oral and topical administrations. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013, 138, 214-221. | 2.5 | 31 |
| 35 | Alternative long-term markers for the detection of methyltestosterone misuse. <i>Steroids</i> , 2013, 78, 44-52. | 1.8 | 67 |
| 36 | Gas chromatography-mass spectrometry profiling of steroids in urine of patients with acute intermittent porphyria. <i>Clinical Biochemistry</i> , 2013, 46, 819-824. | 1.9 | 14 |

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|----|---|-----|-----------|
| 37 | Large-scale metabolome analysis and quantitative integration with genomics and proteomics data in <i>Mycoplasma pneumoniae</i> . <i>Molecular BioSystems</i> , 2013, 9, 1743. | 2.9 | 27 |
| 38 | Use of LC-MS/MS for the Open Detection of Steroid Metabolites Conjugated with Glucuronic Acid. <i>Analytical Chemistry</i> , 2013, 85, 5005-5014. | 6.5 | 93 |
| 39 | Discrimination of Prohibited Oral Use From Authorized Inhaled Treatment of Budesonide in Sports. <i>Therapeutic Drug Monitoring</i> , 2013, 35, 118-128. | 2.0 | 27 |
| 40 | Dissecting the energy metabolism in <i>Mycoplasma pneumoniae</i> through genome-scale metabolic modeling. <i>Molecular Systems Biology</i> , 2013, 9, 653. | 7.2 | 69 |
| 41 | New potential markers for the detection of boldenone misuse. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2012, 132, 239-246. | 2.5 | 59 |
| 42 | Detection and characterization of urinary metabolites of boldione by LC-MS/MS. Part II: Conjugates with cysteine and N-acetylcysteine. <i>Drug Testing and Analysis</i> , 2012, 4, 786-797. | 2.6 | 15 |
| 43 | Detection and characterization of urinary metabolites of boldione by LC-MS/MS. Part I: Phase I metabolites excreted free, as glucuronide and sulfate conjugates, and released after alkaline treatment of the urine. <i>Drug Testing and Analysis</i> , 2012, 4, 775-785. | 2.6 | 26 |
| 44 | Recent developments in MS for small molecules: application to human doping control analysis. <i>Bioanalysis</i> , 2012, 4, 197-212. | 1.5 | 18 |
| 45 | Using complementary mass spectrometric approaches for the determination of methylprednisolone metabolites in human urine. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 541-553. | 1.5 | 29 |
| 46 | Identification of budesonide metabolites in human urine after oral administration. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 325-340. | 3.7 | 37 |
| 47 | Sensitive and robust method for anabolic agents in human urine by gas chromatography-triple quadrupole mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 897, 85-89. | 2.3 | 24 |
| 48 | Alternative markers for the long-term detection of oral testosterone misuse. <i>Steroids</i> , 2011, 76, 1367-1376. | 1.8 | 29 |
| 49 | Detection of dihydrotestosterone gel, oral dehydroepiandrosterone, and testosterone gel misuse through the quantification of testosterone metabolites released after alkaline treatment. <i>Drug Testing and Analysis</i> , 2011, 3, 828-835. | 2.6 | 31 |
| 50 | Quantification of testosterone and metabolites released after alkaline treatment in human urine. <i>Drug Testing and Analysis</i> , 2010, 2, 630-636. | 2.6 | 21 |
| 51 | Testosterone metabolism revisited: discovery of new metabolites. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 1759-1770. | 3.7 | 43 |
| 52 | Prevalence of steroid sulfatase deficiency in California according to race and ethnicity. <i>Prenatal Diagnosis</i> , 2010, 30, 893-898. | 2.3 | 37 |
| 53 | Maternal urine and serum steroid measurements to identify steroid sulfatase deficiency (STSD) in second trimester pregnancies. <i>Prenatal Diagnosis</i> , 2009, 29, 771-780. | 2.3 | 26 |
| 54 | Cholesterol biosynthesis from birth to adulthood in a mouse model for 7-dehydrosterol reductase deficiency (Smith-Lemli-Opitz syndrome). <i>Steroids</i> , 2007, 72, 802-808. | 1.8 | 27 |

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|----|--|-----|-----------|
| 55 | Dehydrosteroid measurements in maternal urine or serum for the prenatal diagnosis of Smithâ€™Lemliâ€™Opitz syndrome (SLOS). American Journal of Medical Genetics, Part A, 2007, 143A, 2129-2136. | 1.2 | 37 |
| 56 | Identification of plasma glucocorticoids in pallid sturgeon in response to stress. General and Comparative Endocrinology, 2007, 154, 98-104. | 1.8 | 52 |
| 57 | Identifying Smithâ€™Lemliâ€™Opitz syndrome in conjunction with prenatal screening for Down syndrome. Prenatal Diagnosis, 2006, 26, 842-849. | 2.3 | 108 |
| 58 | Hexose-6-phosphate Dehydrogenase Knock-out Mice Lack 11â€™-Hydroxysteroid Dehydrogenase Type 1-mediated Glucocorticoid Generation. Journal of Biological Chemistry, 2006, 281, 6546-6551. | 3.4 | 189 |
| 59 | In humans, early cortisol biosynthesis provides a mechanism to safeguard female sexual development. Journal of Clinical Investigation, 2006, 116, 953-960. | 8.2 | 235 |
| 60 | Paralogues of Porcine Aromatase Cytochrome P450: A Novel Hydroxylase Activity Is Associated with the Survival of a Duplicated Gene. Endocrinology, 2004, 145, 2157-2164. | 2.8 | 28 |
| 61 | A novel pathway for sequential transformation of 7â€™dehydrocholesterol and expression of the P450scc system in mammalian skin. FEBS Journal, 2004, 271, 4178-4188. | 0.2 | 219 |
| 62 | Biochemical diagnosis of Antley-Bixler syndrome by steroid analysis. American Journal of Medical Genetics Part A, 2004, 128A, 223-231. | 2.4 | 74 |
| 63 | Prenatal diagnosis of P450 oxidoreductase deficiency (ORD): A disorder causing low pregnancy estriol, maternal and fetal virilization, and the Antley-Bixler syndrome phenotype. American Journal of Medical Genetics Part A, 2004, 129A, 105-112. | 2.4 | 93 |
| 64 | Liquid chromatography clean-up method to improve identification of anabolic agents in human urine by gas chromatographyâ€™mass spectrometry. Analytica Chimica Acta, 2004, 522, 79-88. | 5.4 | 25 |
| 65 | The implications of 7-dehydrosterol-7-reductase deficiency (Smithâ€™Lemliâ€™Opitz syndrome) to neurosteroid production. Steroids, 2004, 69, 51-60. | 1.8 | 48 |
| 66 | Fast screening of anabolic steroids and other banned doping substances in human urine by gas chromatography/tandem mass spectrometry. Journal of Mass Spectrometry, 2002, 37, 1059-1073. | 1.6 | 71 |