## **Oskar Gonzalez**

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Bioanalytical chromatographic method validation according to current regulations, with a special focus on the non-well defined parameters limit of quantification, robustness and matrix effect. Journal of Chromatography A, 2014, 1353, 10-27.	3.7	182
2	Pharmacokinetic Modeling of Paracetamol Uptake and Clearance in Zebrafish Larvae: Expanding the Allometric Scale in Vertebrates with Five Orders of Magnitude. Zebrafish, 2016, 13, 504-510.	1.1	66
3	LC–MS/MS method for the determination of several drugs used in combined cardiovascular therapy in human plasma. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2010, 878, 2685-2692.	2.3	59
4	Development of an LC–MS/MS method for the quantitation of 55 compounds prescribed in combined cardiovascular therapy. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2011, 879, 243-252.	2.3	57
5	Fumagillin, a Mycotoxin of Aspergillus fumigatus: Biosynthesis, Biological Activities, Detection, and Applications. Toxins, 2020, 12, 7.	3.4	57
6	Optimization of XCMS parameters for LC–MS metabolomics: an assessment of automated versus manual tuning and its effect on the final results. Metabolomics, 2020, 16, 14.	3.0	33
7	Optimization and validation of a SPE-HPLC-PDA-fluorescence method for the simultaneous determination of drugs used in combined cardiovascular therapy in human plasma. Journal of Pharmaceutical and Biomedical Analysis, 2009, 50, 630-639.	2.8	32
8	Validation of a fast liquid chromatography–UV method for the analysis of drugs used in combined cardiovascular therapy in human plasma. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 3045-3053.	2.3	28
9	Evaluation of human plasma sample preparation protocols for untargeted metabolic profiles analyzed by UHPLC-ESI-TOF-MS. Analytical and Bioanalytical Chemistry, 2014, 406, 7641-7652.	3.7	27
10	Matrix Effect Compensation in Small-Molecule Profiling for an LC–TOF Platform Using Multicomponent Postcolumn Infusion. Analytical Chemistry, 2015, 87, 5921-5929.	6.5	22
11	Validation of bioanalytical chromatographic methods for the quantification of drugs in biological fluids. Handbook of Analytical Separations, 2020, , 115-134.	0.8	15
12	Cardiovascular drug determination in bioanalysis: an update. Bioanalysis, 2015, 7, 2399-2417.	1.5	7
13	Quantitative determination of fentanyl in newborn pig plasma and cerebrospinal fluid samples by HPLCâ€MS/MS. Drug Testing and Analysis, 2015, 7, 804-811.	2.6	6
14	Efficient Method Development and Validation for the Determination of Cardiovascular Drugs in Human Plasma by SPE–UHPLC–PDA–FLD. Chromatographia, 2017, 80, 605-615.	1.3	6
15	Chromatographic methods for echinocandin antifungal drugs determination in bioanalysis. Bioanalysis, 2019, 11, 1215-1226.	1.5	5
16	Aspergillus fumigatus Fumagillin Contributes to Host Cell Damage. Journal of Fungi (Basel,) Tj ETQq0 0 0 rgBT /0	Dverlock 1	0 T£ 50 142 T

17	Postcolumn Infusion as a Quality Control Tool for LC-MS-Based Analysis. Journal of the American Society for Mass Spectrometry, 2022, 33, 1077-1080.	2.8	5
18	Quantitative determination of dobutamine in newborn pig plasma samples by HPLC–MS/MS. Journal of Pharmaceutical and Biomedical Analysis, 2017, 145, 178-185.	2.8	4

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19	Analysis of the Heterogeneous Distribution of Amiloride and Propranolol in Dried Blood Spot by UHPLC-FLD and MALDI-IMS. Molecules, 2019, 24, 4320.	3.8	3
20	Determination of antifungal caspofungin in RPMI-1640 cell culture medium by column-switching HPLC-FLD. Journal of Pharmaceutical and Biomedical Analysis, 2020, 188, 113366.	2.8	3
21	Comparison of liver and plasma metabolic profiles in piglets of different ages as animal models for paediatric population. Analyst, The, 2020, 145, 6859-6867.	3.5	2
22	Optimization and Validation of HS-GC/MS Method for the Controlled Release Study of Microencapsulated Specific Bioattractants for Target-Plaguicide Production. Molecules, 2021, 26, 996.	3.8	2
23	Study of antifungal agent caspofungin adsorption to laboratory materials. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2022, 1188, 123060.	2.3	2
24	Metabolomic analysis for the study of maturation in pediatrics: Effect of confounding factors in a pilot study. Electrophoresis, 2017, 38, 2323-2330.	2.4	1
25	A novel SPE-UHPLC-DAD method for the determination of fumagillin produced by Aspergillus fumigatus in cell culture media. Microchemical Journal. 2021, 169, 106605.	4.5	1