

Diogo Noin de Oliveira

List of Publications by Year in descending order

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57
papers

1,002
citations

430874

18
h-index

526287

27
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62
all docs

62
docs citations

62
times ranked

1886
citing authors

#	ARTICLE	IF	CITATIONS
1	Covid-19 Automated Diagnosis and Risk Assessment through Metabolomics and Machine Learning. <i>Analytical Chemistry</i> , 2021, 93, 2471-2479.	6.5	66
2	A Lipidomics Approach in the Characterization of Zika-Infected Mosquito Cells: Potential Targets for Breaking the Transmission Cycle. <i>PLoS ONE</i> , 2016, 11, e0164377.	2.5	58
3	Novel R-(+)-limonene-based thiosemicarbazones and their antitumor activity against human tumor cell lines. <i>European Journal of Medicinal Chemistry</i> , 2014, 79, 110-116.	5.5	55
4	Migration from plastic packaging into meat. <i>Food Research International</i> , 2018, 109, 320-324.	6.2	45
5	Mass Spectrometry Imaging: An Expeditious and Powerful Technique for Fast <i>in Situ</i> Lignin Assessment in <i>Eucalyptus</i> . <i>Analytical Chemistry</i> , 2014, 86, 3415-3419.	6.5	43
6	Resolvin RvD2 reduces hypothalamic inflammation and rescues mice from diet-induced obesity. <i>Journal of Neuroinflammation</i> , 2017, 14, 5.	7.2	38
7	Serum Metabolic Alterations upon Zika Infection. <i>Frontiers in Microbiology</i> , 2017, 8, 1954.	3.5	36
8	Pravastatin Chronic Treatment Sensitizes Hypercholesterolemic Mice Muscle to Mitochondrial Permeability Transition: Protection by Creatine or Coenzyme Q10. <i>Frontiers in Pharmacology</i> , 2017, 8, 185.	3.5	32
9	Irradiated Riboflavin Diminishes the Aggressiveness of Melanoma <i>In Vitro</i> and <i>In Vivo</i> . <i>PLoS ONE</i> , 2013, 8, e54269.	2.5	31
10	The role of lipids in the inception, maintenance and complications of dengue virus infection. <i>Scientific Reports</i> , 2018, 8, 11826.	3.3	31
11	Combining Machine Learning and Metabolomics to Identify Weight Gain Biomarkers. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 6.	4.1	26
12	Cosmetic Analysis Using Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Imaging (MALDI-MSI). <i>Materials</i> , 2013, 6, 1000-1010.	2.9	25
13	Mass spectrometry imaging: a new vision in differentiating <i>Schistosoma mansoni</i> strains. <i>Journal of Mass Spectrometry</i> , 2014, 49, 86-92.	1.6	25
14	Skin Imprinting in Silica Plates: A Potential Diagnostic Methodology for Leprosy Using High-Resolution Mass Spectrometry. <i>Analytical Chemistry</i> , 2015, 87, 3585-3592.	6.5	25
15	A Machine Learning Application Based in Random Forest for Integrating Mass Spectrometry-Based Metabolomic Data: A Simple Screening Method for Patients With Zika Virus. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018, 6, 31.	4.1	25
16	Rapid and Simultaneous <i>In Situ</i> Assessment of Aflatoxins and Stilbenes Using Silica Plate Imprinting Mass Spectrometry Imaging. <i>PLoS ONE</i> , 2014, 9, e90901.	2.5	23
17	Thermal degradation of sucralose: a combination of analytical methods to determine stability and chlorinated byproducts. <i>Scientific Reports</i> , 2015, 5, 9598.	3.3	22
18	Oxidative stress and susceptibility to mitochondrial permeability transition precedes the onset of diabetes in autoimmune non-obese diabetic mice. <i>Free Radical Research</i> , 2014, 48, 1494-1504.	3.3	20

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19	Lipid characterization of embryo zones by silica plate laser desorption ionization mass spectrometry imaging (SP-LDI-MSI). <i>Analytica Chimica Acta</i> , 2014, 807, 96-102.	5.4	19
20	Synthesis and comparison of antileishmanial and cytotoxic activities of S-(α)-limonene benzaldehyde thiosemicarbazones with their R-(+)-analogues. <i>Journal of Molecular Structure</i> , 2019, 1179, 252-262.	3.6	19
21	Revealing praziquantel molecular targets using mass spectrometry imaging: an expeditious approach applied to <i>Schistosoma mansoni</i> . <i>International Journal for Parasitology</i> , 2015, 45, 385-391.	3.1	18
22	Inflammation markers in the saliva of infants born from Zika-infected mothers: exploring potential mechanisms of microcephaly during fetal development. <i>Scientific Reports</i> , 2019, 9, 13606.	3.3	18
23	Screening the life cycle of <i>Schistosoma mansoni</i> using high-resolution mass spectrometry. <i>Analytica Chimica Acta</i> , 2014, 845, 62-69.	5.4	17
24	A Metabolomic Overview of Follicular Fluid in Cows. <i>Frontiers in Veterinary Science</i> , 2018, 5, 10.	2.2	17
25	In situ assessment of atorvastatin impurity using MALDI mass spectrometry imaging (MALDI-MSI). <i>Analytica Chimica Acta</i> , 2014, 818, 32-38.	5.4	16
26	Analysis and characterisation of bovine oocyte and embryo biomarkers by matrix-assisted desorption ionisation mass spectrometry imaging. <i>Reproduction, Fertility and Development</i> , 2016, 28, 293.	0.4	15
27	The presence of ochratoxin A does not influence <i>Saccharomyces cerevisiae</i> growth kinetics but leads to the formation of modified ochratoxins. <i>Food and Chemical Toxicology</i> , 2019, 133, 110756.	3.6	15
28	High-throughput analysis by SP-LDI-MS for fast identification of adulterations in commercial balsamic vinegars. <i>Analytica Chimica Acta</i> , 2014, 838, 86-92.	5.4	14
29	Coenzyme Q10 or Creatine Counteract Pravastatin-Induced Liver Redox Changes in Hypercholesterolemic Mice. <i>Frontiers in Pharmacology</i> , 2018, 9, 685.	3.5	14
30	Direct analysis of lipsticks by Sorptive tape-like extraction laser desorption/ionization mass spectrometry imaging. <i>International Journal of Cosmetic Science</i> , 2013, 35, 467-471.	2.6	13
31	Fast fingerprinting of cannabinoid markers by laser desorption ionization using silica plate extraction. <i>Analytical Methods</i> , 2014, 6, 1350.	2.7	12
32	Skin Biomarkers for Cystic Fibrosis: A Potential Non-Invasive Approach for Patient Screening. <i>Frontiers in Pediatrics</i> , 2017, 5, 290.	1.9	12
33	Metabolomics and Machine Learning Approaches Combined in Pursuit for More Accurate Paracoccidioidomycosis Diagnoses. <i>MSystems</i> , 2020, 5, .	3.8	12
34	Direct metabolic fingerprinting of olive oils using STELDI-MS. <i>Journal of Food Composition and Analysis</i> , 2015, 38, 131-134.	3.9	11
35	Characterization and quantification of bioactive compounds from <i>Ilex paraguariensis</i> residue by HPLC-ESI-QTOF-MS from plants cultivated under different cultivation systems. <i>Journal of Food Science</i> , 2021, 86, 1599-1619.	3.1	11
36	A fast semi-quantitative screening for cocoa content in chocolates using MALDI-MSI. <i>Food Research International</i> , 2018, 103, 8-11.	6.2	10

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37	Mass spectrometry for the characterization of brewing process. Food Research International, 2016, 89, 281-288.	6.2	9
38	Evaluating the effects of the adulterants in milk using direct-infusion high-resolution mass spectrometry. Food Research International, 2018, 108, 498-504.	6.2	9
39	MALDI imaging detects endogenous digoxin in glioblastoma cells infected by Zika virus. "Would it be the oncolytic key?". Journal of Mass Spectrometry, 2018, 53, 257-263.	1.6	9
40	Identification of compounds from high-fat and extra virgin olive oil-supplemented diets in whole mouse liver extracts and isolated mitochondria using mass spectrometry. Journal of Mass Spectrometry, 2015, 50, 951-958.	1.6	8
41	Nucleophilic Aromatic Substitution with Dianions: Reactions Driven by the Release of Coulomb Repulsion. Journal of the American Society for Mass Spectrometry, 2014, 25, 10-17.	2.8	7
42	Metabolic alterations induced by attenuated Zika virus in glioblastoma cells. Cell and Bioscience, 2018, 8, .	4.8	7
43	Cheese lipid profile using direct imprinting in glass surface mass spectrometry. Analytical Methods, 2015, 7, 2877-2880.	2.7	6
44	Early developmental stages of <i>Ascaris lumbricoides</i> featured by high-resolution mass spectrometry. Parasitology Research, 2016, 115, 4107-4114.	1.6	6
45	Molecular signatures associated with prostate cancer cell line (PC-3) exposure to inactivated Zika virus. Scientific Reports, 2019, 9, 15351.	3.3	6
46	An LDI-MSI approach for targeted and untargeted differentiation and assessment of pharmaceutical formulations. Talanta, 2019, 197, 92-97.	5.5	6
47	In vitro evaluation of Sun Protection Factor and stability of commercial sunscreens using mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 988, 13-19.	2.3	5
48	Anaphylactic reaction to galactose-derived oligosaccharide residues from lactose used as a drug excipient. Pediatric Allergy and Immunology, 2018, 29, 207-210.	2.6	5
49	Multivariate optimization results in an edible extract from <i>Ilex paraguariensis</i> unexplored residues with a high amount of phenolic compounds. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2022, 57, 23-38.	1.5	4
50	MALDI-MSI: a fast and reliable method for direct melatonin quantification in biological fluids. Journal of Analytical Science and Technology, 2016, 7, .	2.1	3
51	New Approach of QuEChERS and GC-MS Triple-Quadrupole for the Determination of Ethyl Carbamate Content in Brazilian cachaças. Frontiers in Nutrition, 2018, 5, 21.	3.7	3
52	Antioxidant activity of grape products and characterization of components by electrospray ionization mass spectrometry. Journal of Food Measurement and Characterization, 2014, 8, 9-14.	3.2	2
53	Impact of drug formulation and free platinum/cisplatin ratio on hypersensitivity reactions to cisplatin: formulation matters. Journal of Clinical Pharmacy and Therapeutics, 2015, 40, 41-47.	1.5	2
54	Capillary-induced Homogenization of Matrix in Paper: A Powerful Approach for the Quantification of Active Pharmaceutical Ingredients Using Mass Spectrometry Imaging. Scientific Reports, 2016, 6, 29970.	3.3	2

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55	An Ethanolic Extract of Boehmeria caudata Aerial Parts Displays Anti-inflammatory and Anti-tumor Activities. <i>Planta Medica International Open</i> , 2020, 7, e17-e25.	0.5	2
56	Does leukotriene F4 play a major role in the infection mechanism of <i>Candida</i> sp.?. <i>Microbial Pathogenesis</i> , 2020, 149, 104394.	2.9	1
57	A 78-Year Old Urothelial Cancer Patient with Faster Recovery from COVID-19: Potential Benefit from Adjuvant Active Immunotherapy. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0