

Mara Eugenia Monge

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46
papers

1,378
citations

16
h-index

37
g-index

52
ext. papers

1,617
ext. citations

7.9
avg, IF

4.59
L-index

#	Paper	IF	Citations
46	Mass spectrometry: recent advances in direct open air surface sampling/ionization. <i>Chemical Reviews</i> , 2013 , 113, 2269-308	68.1	410
45	Light changes the atmospheric reactivity of soot. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 6605-9	11.5	206
44	Nitrogen dioxide removal and nitrous acid formation on titanium oxide surfaces--an air quality remediation process?. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 8991-8	3.6	91
43	Alternative pathway for atmospheric particles growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 6840-4	11.5	78
42	Ambient mass spectrometry in metabolomics. <i>Analyst, The</i> , 2017 , 142, 3101-3117	5	48
41	Feasibility of detecting prostate cancer by ultraperformance liquid chromatography-mass spectrometry serum metabolomics. <i>Journal of Proteome Research</i> , 2014 , 13, 3444-54	5.6	43
40	Ozone formation from illuminated titanium dioxide surfaces. <i>Journal of the American Chemical Society</i> , 2010 , 132, 8234-5	16.4	41
39	Photoenhanced NO ₂ loss on simulated urban grime. <i>ChemPhysChem</i> , 2010 , 11, 3956-61	3.2	36
38	Falsified medicines in Africa: all talk, no action. <i>The Lancet Global Health</i> , 2014 , 2, e509-e510	13.6	35
37	Increased steady state uptake of ozone on soot due to UV/Vis radiation. <i>Journal of Geophysical Research</i> , 2011 , 116,		35
36	Challenges in Identifying the Dark Molecules of Life. <i>Annual Review of Analytical Chemistry</i> , 2019 , 12, 177-199	12.5	26
35	Feasibility of Early Detection of Cystic Fibrosis Acute Pulmonary Exacerbations by Exhaled Breath Condensate Metabolomics: A Pilot Study. <i>Journal of Proteome Research</i> , 2017 , 16, 550-558	5.6	23
34	Time dependence of the aroma pattern emitted by an encapsulated essence studied by means of electronic noses and chemometric analysis. <i>Food Research International</i> , 2010 , 43, 797-804	7	20
33	Preoperative Metabolic Signatures of Prostate Cancer Recurrence Following Radical Prostatectomy. <i>Journal of Proteome Research</i> , 2019 , 18, 1316-1327	5.6	19
32	Mass Spectrometry-Based Non-targeted Metabolic Profiling for Disease Detection: Recent Developments. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 118, 158-169	14.6	16
31	Dissemination and analysis of the quality assurance (QA) and quality control (QC) practices of LC-MS based untargeted metabolomics practitioners. <i>Metabolomics</i> , 2020 , 16, 113	4.7	16
30	Robotic plasma probe ionization mass spectrometry (RoPPI-MS) of non-planar surfaces. <i>Analyst, The</i> , 2014 , 139, 2658-62	5	15

29	Metabolomic serum profiling detects early-stage high-grade serous ovarian cancer in a mouse model. <i>Journal of Proteome Research</i> , 2015 , 14, 917-27	5.6	15
28	Ion mobility and liquid chromatography/mass spectrometry strategies for exhaled breath condensate glucose quantitation in cystic fibrosis studies. <i>Rapid Communications in Mass Spectrometry</i> , 2013 , 27, 2263-71	2.2	15
27	Marine organic matter in the remote environment of the Cape Verde islands: An introduction and overview to the MarParCloud campaign. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 6921-6951	6.8	14
26	New kinetic model of drug release from swollen gels under non-sink conditions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006 , 273, 165-173	5.1	14
25	De novo design approaches targeting an envelope protein pocket to identify small molecules against dengue virus. <i>European Journal of Medicinal Chemistry</i> , 2019 , 182, 111628	6.8	13
24	Flow Injection-Traveling-Wave Ion Mobility-Mass Spectrometry for Prostate-Cancer Metabolomics. <i>Analytical Chemistry</i> , 2018 , 90, 13767-13774	7.8	13
23	Comparison of Ambient and Atmospheric Pressure Ion Sources for Cystic Fibrosis Exhaled Breath Condensate Ion Mobility-Mass Spectrometry Metabolomics. <i>Journal of the American Society for Mass Spectrometry</i> , 2017 , 28, 1489-1496	3.5	12
22	Structural characterization of native high-methoxylated pectin using nuclear magnetic resonance spectroscopy and ultraviolet matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Comparative use of 2,5-dihydroxybenzoic acid and nor-harmane as UV-MALDI matrices. <i>Rapid Communications in Mass Spectrometry</i> , 2007 , 21, 2638-46	2.2	12
21	Metabolic Footprinting of a Clear Cell Renal Cell Carcinoma in Vitro Model for Human Kidney Cancer Detection. <i>Journal of Proteome Research</i> , 2018 , 17, 3877-3888	5.6	12
20	Correlation between rheological properties and limonene release in pectin gels using an electronic nose. <i>Food Hydrocolloids</i> , 2008 , 22, 916-924	10.6	10
19	Improving diagnosis of genitourinary cancers: Biomarker discovery strategies through mass spectrometry-based metabolomics. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020 , 178, 112903	3.5	10
18	A tiered analytical approach for investigating poor quality emergency contraceptives. <i>PLoS ONE</i> , 2014 , 9, e95353	3.7	9
17	A Python-Based Pipeline for Preprocessing LC-MS Data for Untargeted Metabolomics Workflows. <i>Metabolites</i> , 2020 , 10,	5.6	9
16	Electronic nose screening of limonene release from multicomponent essential oils encapsulated in pectin gels. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2004 , 7, 337-44	1.3	8
15	Chapter 1:An Introduction to Ambient Ionization Mass Spectrometry. <i>New Developments in Mass Spectrometry</i> , 2014 , 1-22	2.3	7
14	Early Detection of Cystic Fibrosis Acute Pulmonary Exacerbations by Exhaled Breath Condensate Metabolomics. <i>Journal of Proteome Research</i> , 2020 , 19, 144-152	5.6	7
13	Structures and reactivity of peroxy radicals and dimeric products revealed by online tandem mass spectrometry. <i>Nature Communications</i> , 2021 , 12, 300	17.4	7
12	Plasma-spray ionization (PLASI): a multimodal atmospheric pressure ion source for liquid stream analysis. <i>Journal of the American Society for Mass Spectrometry</i> , 2014 , 25, 1788-93	3.5	6

11	Metabolite profiling by direct analysis in real-time mass spectrometry. <i>Methods in Molecular Biology</i> , 2014 , 1198, 275-89	1.4	4
10	Hydrophobicity-aided potentiometric detection of catecholamines, beta-agonists, and beta-blockers in a mixed-solvent capillary electrophoresis system. <i>Journal of Separation Science</i> , 2009 , 32, 135-46	3.4	3
9	Endogenous formaldehyde scavenges cellular glutathione resulting in cytotoxic redox disruption		3
8	Marine organic matter in the remote environment of the Cape Verde Islands [An introduction and overview to the MarParCloud campaign 2019 ,		3
7	Coupled Mass-Spectrometry-Based Lipidomics Machine Learning Approach for Early Detection of Clear Cell Renal Cell Carcinoma. <i>Journal of Proteome Research</i> , 2021 , 20, 841-857	5.6	3
6	Synthesis, Secondary Structure, and Anion Binding of Acyclic Carbohydrate-Derived Oligo(amide-triazole)s. <i>European Journal of Organic Chemistry</i> , 2018 , 2018, 6787-6799	3.2	3
5	Synthesis and Antichlamydial Activity of Molecules Based on Dysregulators of Cylindrical Proteases. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 4370-4387	8.3	2
4	Seawater analysis by ambient mass-spectrometry-based seaomics. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 6243-6257	6.8	2
3	Endogenous formaldehyde scavenges cellular glutathione resulting in redox disruption and cytotoxicity.. <i>Nature Communications</i> , 2022 , 13, 745	17.4	2
2	Seawater Analysis by Ambient Mass Spectrometry-Based Seaomics and Implications on Secondary Organic Aerosol Formation 2019 ,		1
1	Mass Spectrometry-Based Metabolic Fingerprinting Contributes to Unveil the Role of RSUME in Renal Cell Carcinoma Cell Metabolism. <i>Journal of Proteome Research</i> , 2021 , 20, 786-803	5.6	1