

Sara Crotti

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.

50
papers

699
citations

14
h-index

25
g-index

52
ext. papers

951
ext. citations

4.9
avg, IF

4.3
L-index

#	Paper	IF	Citations
50	Recent Advances in Understanding the Protein Corona of Nanoparticles and in the Formulation of "Stealthy" Nanomaterials. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 166	5.8	92
49	Extracellular Matrix and Colorectal Cancer: How Surrounding Microenvironment Affects Cancer Cell Behavior?. <i>Journal of Cellular Physiology</i> , 2017 , 232, 967-975	7	84
48	Compartmentalized activities of the pyruvate dehydrogenase complex sustain lipogenesis in prostate cancer. <i>Nature Genetics</i> , 2018 , 50, 219-228	36.3	71
47	Some thoughts on electrospray ionization mechanisms. <i>European Journal of Mass Spectrometry</i> , 2011 , 17, 85-99	1.1	51
46	Tryptophan in health and disease. <i>Advances in Clinical Chemistry</i> , 2020 , 95, 165-218	5.8	44
45	Decellularized colorectal cancer matrix as bioactive microenvironment for in vitro 3D cancer research. <i>Journal of Cellular Physiology</i> , 2018 , 233, 5937-5948	7	43
44	Altered plasma levels of decanoic acid in colorectal cancer as a new diagnostic biomarker. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 6321-8	4.4	26
43	Predictive response biomarkers in rectal cancer neoadjuvant treatment. <i>Frontiers in Bioscience - Scholar</i> , 2014 , 6, 110-9	2.4	21
42	Nanovectors Design for Theranostic Applications in Colorectal Cancer. <i>Journal of Oncology</i> , 2019 , 2019, 2740923	4.5	19
41	Liposomal delivery of a Pin1 inhibitor complexed with cyclodextrins as new therapy for high-grade serous ovarian cancer. <i>Journal of Controlled Release</i> , 2018 , 281, 1-10	11.7	18
40	Mass spectrometry in the pharmacokinetic studies of anticancer natural products. <i>Mass Spectrometry Reviews</i> , 2017 , 36, 213-251	11	16
39	Analytical aspects of sunitinib and its geometric isomerism towards therapeutic drug monitoring in clinical routine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 160, 360-367	3.5	16
38	Tryptophan metabolism along the kynurenine and serotonin pathways reveals substantial differences in colon and rectal cancer. <i>Metabolomics</i> , 2017 , 13, 1	4.7	16
37	Surface-activated chemical ionization ion trap mass spectrometry for the analysis of cocaine and benzoylecgonine in hair after extraction and sample dilution. <i>Rapid Communications in Mass Spectrometry</i> , 2007 , 21, 2515-23	2.2	15
36	Clinical predictive circulating peptides in rectal cancer patients treated with neoadjuvant chemoradiotherapy. <i>Journal of Cellular Physiology</i> , 2015 , 230, 1822-8	7	13
35	Elemental labeling for the identification of proteinaceous-binding media in art works by ICP-MS. <i>Journal of Mass Spectrometry</i> , 2011 , 46, 1297-303	2.2	12
34	Aspects of the role of surfaces in ionization processes. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2009 , 12, 125-36	1.3	12

33	Alterations of the Plasma Peptidome Profiling in Colorectal Cancer Progression. <i>Journal of Cellular Physiology</i> , 2016 , 231, 915-25	7	12
32	Sieve-based device for MALDI sample preparation. I. Influence of sample deposition conditions in oligonucleotide analysis to achieve significant increases in both sensitivity and resolution. <i>Journal of Mass Spectrometry</i> , 2008 , 43, 1512-20	2.2	11
31	The role of mass spectrometry in studies of glycation processes and diabetes management. <i>Mass Spectrometry Reviews</i> , 2019 , 38, 112-146	11	11
30	Claisen rearrangement induced by low-energy collision of ESI-generated, protonated benzyloxy indoles. <i>Journal of Mass Spectrometry</i> , 2007 , 42, 1562-8	2.2	8
29	Experimental Evidence of the Presence of Bimolecular Caffeine/Catechin Complexes in Green Tea Extracts. <i>Journal of Natural Products</i> , 2018 , 81, 2338-2347	4.9	8
28	Cross-validation of a mass spectrometric-based method for the therapeutic drug monitoring of irinotecan: implementation of matrix-assisted laser desorption/ionization mass spectrometry in pharmacokinetic measurements. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 5369-77	4.4	7
27	Peptide Patterns as Discriminating Biomarkers in Plasma of Patients With Familial Adenomatous Polyposis. <i>Clinical Colorectal Cancer</i> , 2016 , 15, e75-92	3.8	6
26	Matrix-assisted laser desorption/ionization, nanostructure-assisted laser desorption/ionization and carbon nanohorns in the detection of antineoplastic drugs. 1. The cases of irinotecan, sunitinib and 6- α -hydroxy paclitaxel. <i>European Journal of Mass Spectrometry</i> , 2014 , 20, 445-59	1.1	6
25	Sieve-based device for MALDI sample preparation. II. Instrumental parameterization. <i>Journal of Mass Spectrometry</i> , 2009 , 44, 1579-86	2.2	6
24	Medium chain fatty acids in intrauterine growth restricted and small for gestational age pregnancies. <i>Metabolomics</i> , 2017 , 13, 1	4.7	5
23	New Mass Spectrometric Approaches for the Quantitative Evaluation of Anticancer Drug Levels in Treated Patients. <i>Therapeutic Drug Monitoring</i> , 2019 , 41, 1-10	3.2	5
22	Field-assisted paper spray mass spectrometry for therapeutic drug monitoring: 1. the case of imatinib in plasma. <i>Journal of Mass Spectrometry</i> , 2017 , 52, 283-289	2.2	4
21	The development of a matrix-assisted laser desorption/ionization (MALDI)-based analytical method for determination of irinotecan levels in human plasma: preliminary results. <i>Journal of Mass Spectrometry</i> , 2015 , 50, 959-62	2.2	4
20	Circulating Biomarkers for Response Prediction of Rectal Cancer to Neoadjuvant Chemoradiotherapy. <i>Current Medicinal Chemistry</i> , 2020 , 27, 4274-4294	4.3	4
19	Reduced Plasma Levels of Very-Long-Chain Dicarboxylic Acid 28:4 in Italian and Brazilian Colorectal Cancer Patient Cohorts. <i>Metabolites</i> , 2018 , 8,	5.6	4
18	On the coupling of ion-exchange chromatography to surface-activated chemical ionization in the analysis of highly polar metabolites in diluted urine samples. <i>Rapid Communications in Mass Spectrometry</i> , 2008 , 22, 2134-8	2.2	3
17	Diagnostic Devices for Circulating Biomarkers Detection and Quantification. <i>Current Medicinal Chemistry</i> , 2018 , 25, 4304-4327	4.3	3
16	Field-assisted paper spray mass spectrometry for the quantitative evaluation of imatinib levels in plasma. <i>European Journal of Mass Spectrometry</i> , 2016 , 22, 217-228	1.1	3

15	Mass spectrometry in the study of molecular complexes between 5-fluorouracil and catechins. <i>Journal of Mass Spectrometry</i> , 2021 , 56, e4682	2.2	3
14	Tryptophan Catabolism and Response to Therapy in Locally Advanced Rectal Cancer (LARC) Patients. <i>Frontiers in Oncology</i> , 2020 , 10, 583228	5.3	2
13	Chemical aspects of the primary ionization mechanisms in matrix-assisted laser desorption ionization. <i>European Journal of Mass Spectrometry</i> , 2014 , 20, 437-44	1.1	2
12	Evidence of noncovalent complexes in some natural extracts: Ceylon tea and mate extracts. <i>Journal of Mass Spectrometry</i> , 2020 , 55, e4459	2.2	2
11	Tryptophan Metabolism as Source of New Prognostic Biomarkers for FAP Patients. <i>International Journal of Tryptophan Research</i> , 2019 , 12, 1178646919890293	5.6	2
10	Advanced Spectroscopic Detectors for Identification and Quantification: Mass Spectrometry 2013 , 307-331		1
9	Tandem mass spectrometry approaches for recognition of isomeric compounds mixtures. <i>Mass Spectrometry Reviews</i> , 2021 , e21757	11	1
8	A rhabdomyosarcoma hydrogel model to unveil cell-extracellular matrix interactions. <i>Biomaterials Science</i> , 2021 ,	7.4	1
7	Increased Tenascin C, Osteopontin and HSP90 Levels in Plasmatic Small Extracellular Vesicles of Pediatric ALK-Positive Anaplastic Large Cell Lymphoma: New Prognostic Biomarkers?. <i>Diagnostics</i> , 2021 , 11,	3.8	1
6	Some Applications of Liquid Chromatography-Mass Spectrometry in the Biomedical Field: New Analytical Methodologies and Instrumental Approaches. <i>Comprehensive Analytical Chemistry</i> , 2018 , 79, 329-375	1.9	1
5	A method for assessing plasma free fatty acids from C2 to C18 and its application for the early detection of colorectal cancer.. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022 , 215, 114762	3.5	1
4	Voltammetric responses at modified electrodes and aggregation effects of two anticancer molecules: irinotecan and sunitinib. <i>New Journal of Chemistry</i> , 2020 , 44, 18233-18241	3.6	0
3	An investigation on [5 fluorouracil and epigallocatechin-3-gallate] complex activity on HT-29 cell death and its stability in gastrointestinal fluid.. <i>Oncotarget</i> , 2022 , 13, 476-489	3.3	0
2	Advanced spectroscopic detectors for identification and quantification: Mass spectrometry 2017 , 431-462		
1	An electrospray ionization study on complexes of amylin with Cu(II) and Cu(I). <i>Journal of Mass Spectrometry</i> , 2021 , 56, e4773	2.2	