Sara Crotti

List of Publications by Year in Descending Order

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	An investigation on [5 fluorouracil and epigallocatechin-3-gallate] complex activity on HT-29 cell death and its stability in gastrointestinal fluid.. *Oncotarget*, **2022**, 13, 476-489	3.3	0
49	A method for assessing plasma free fatty acids from C2 to C18 and its application for the early detection of colorectal cancer.. *Journal of Pharmaceutical and Biomedical Analysis*, **2022**, 215, 114762	3.5	1
48	Tandem mass spectrometry approaches for recognition of isomeric compounds mixtures. *Mass Spectrometry Reviews*, **2021**, e21757	11	1
47	A rhabdomyosarcoma hydrogel model to unveil cell-extracellular matrix interactions. *Biomaterials Science*, **2021**,	7.4	1
46	An electrospray ionization study on complexes of amylin with Cu(II) and Cu(I). *Journal of Mass Spectrometry*, **2021**, 56, e4773	2.2	
45	Increased Tenascin C, Osteopontin and HSP90 Levels in Plasmatic Small Extracellular Vesicles of Pediatric ALK-Positive Anaplastic Large Cell Lymphoma: New Prognostic Biomarkers?. *Diagnostics*, **2021**, 11,	3.8	1
44	Mass spectrometry in the study of molecular complexes between 5-fluorouracil and catechins. *Journal of Mass Spectrometry*, **2021**, 56, e4682	2.2	3
43	Tryptophan Catabolism and Response to Therapy in Locally Advanced Rectal Cancer (LARC) Patients. *Frontiers in Oncology*, **2020**, 10, 583228	5.3	2
42	Circulating Biomarkers for Response Prediction of Rectal Cancer to Neoadjuvant Chemoradiotherapy. *Current Medicinal Chemistry*, **2020**, 27, 4274-4294	4.3	4
41	Evidence of noncovalent complexes in some natural extracts: Ceylon tea and mate extracts. *Journal of Mass Spectrometry*, **2020**, 55, e4459	2.2	2
40	Voltammetric responses at modified electrodes and aggregation effects of two anticancer molecules: irinotecan and sunitinib. *New Journal of Chemistry*, **2020**, 44, 18233-18241	3.6	0
39	Tryptophan in health and disease. *Advances in Clinical Chemistry*, **2020**, 95, 165-218	5.8	44
38	Recent Advances in Understanding the Protein Corona of Nanoparticles and in the Formulation of "Stealthy" Nanomaterials. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 166	5.8	92
37	Nanovectors Design for Theranostic Applications in Colorectal Cancer. *Journal of Oncology*, **2019**, 2019, 2740923	4.5	19
36	Tryptophan Metabolism as Source of New Prognostic Biomarkers for FAP Patients. *International Journal of Tryptophan Research*, **2019**, 12, 1178646919890293	5.6	2
35	New Mass Spectrometric Approaches for the Quantitative Evaluation of Anticancer Drug Levels in Treated Patients. *Therapeutic Drug Monitoring*, **2019**, 41, 1-10	3.2	5
34	The role of mass spectrometry in studies of glycation processes and diabetes management. *Mass Spectrometry Reviews*, **2019**, 38, 112-146	11	11

33	Compartmentalized activities of the pyruvate dehydrogenase complex sustain lipogenesis in prostate cancer. *Nature Genetics*, **2018**, 50, 219-228	36.3	71
32	Liposomal delivery of a Pin1 inhibitor complexed with cyclodextrins as new therapy for high-grade serous ovarian cancer. *Journal of Controlled Release*, **2018**, 281, 1-10	11.7	18
31	Analytical aspects of sunitinib and its geometric isomerism towards therapeutic drug monitoring in clinical routine. *Journal of Pharmaceutical and Biomedical Analysis*, **2018**, 160, 360-367	3.5	16
30	Diagnostic Devices for Circulating Biomarkers Detection and Quantification. *Current Medicinal Chemistry*, **2018**, 25, 4304-4327	4.3	3
29	Decellularized colorectal cancer matrix as bioactive microenvironment for in vitro 3D cancer research. *Journal of Cellular Physiology*, **2018**, 233, 5937-5948	7	43
28	Reduced Plasma Levels of Very-Long-Chain Dicarboxylic Acid 28:4 in Italian and Brazilian Colorectal Cancer Patient Cohorts. *Metabolites*, **2018**, 8,	5.6	4
27	Experimental Evidence of the Presence of Bimolecular Caffeine/Catechin Complexes in Green Tea Extracts. *Journal of Natural Products*, **2018**, 81, 2338-2347	4.9	8
26	Some Applications of Liquid Chromatography-Mass Spectrometry in the Biomedical Field: New Analytical Methodologies and Instrumental Approaches. *Comprehensive Analytical Chemistry*, **2018**, 79, 329-375	1.9	1
25	Mass spectrometry in the pharmacokinetic studies of anticancer natural products. *Mass Spectrometry Reviews*, **2017**, 36, 213-251	11	16
24	Field-assisted paper spray mass spectrometry for therapeutic drug monitoring: 1. the case of imatinib in plasma. *Journal of Mass Spectrometry*, **2017**, 52, 283-289	2.2	4
23	Medium chain fatty acids in intrauterine growth restricted and small for gestational age pregnancies. *Metabolomics*, **2017**, 13, 1	4.7	5
22	Advanced spectroscopic detectors for identification and quantification: Mass spectrometry **2017**, 431-462		
21	Tryptophan metabolism along the kynurenine and serotonin pathways reveals substantial differences in colon and rectal cancer. *Metabolomics*, **2017**, 13, 1	4.7	16
20	Extracellular Matrix and Colorectal Cancer: How Surrounding Microenvironment Affects Cancer Cell Behavior?. *Journal of Cellular Physiology*, **2017**, 232, 967-975	7	84
19	Peptide Patterns as Discriminating Biomarkers in Plasma of Patients With Familial Adenomatous Polyposis. *Clinical Colorectal Cancer*, **2016**, 15, e75-92	3.8	6
18	Altered plasma levels of decanoic acid in colorectal cancer as a new diagnostic biomarker. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 6321-8	4.4	26
17	Alterations of the Plasma Peptidome Profiling in Colorectal Cancer Progression. *Journal of Cellular Physiology*, **2016**, 231, 915-25	7	12
16	Field-assisted paper spray mass spectrometry for the quantitative evaluation of imatinib levels in plasma. *European Journal of Mass Spectrometry*, **2016**, 22, 217-228	1.1	3

15	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. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 5369-77	4.4	7
14	Clinical predictive circulating peptides in rectal cancer patients treated with neoadjuvant chemoradiotherapy. *Journal of Cellular Physiology*, **2015**, 230, 1822-8	7	13
13	The development of a matrix-assisted laser desorption/ionization (MALDI)-based analytical method for determination of irinotecan levels in human plasma: preliminary results. *Journal of Mass Spectrometry*, **2015**, 50, 959-62	2.2	4
12	Chemical aspects of the primary ionization mechanisms in matrix-assisted laser desorption ionization. *European Journal of Mass Spectrometry*, **2014**, 20, 437-44	1.1	2
11	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-alpha-hydroxy paclitaxel. *European Journal of Mass Spectrometry*, **2014**, 20, 445-59	1.1	6
10	Predictive response biomarkers in rectal cancer neoadjuvant treatment. *Frontiers in Bioscience - Scholar*, **2014**, 6, 110-9	2.4	21
9	Advanced Spectroscopic Detectors for Identification and Quantification: Mass Spectrometry **2013**, 307-331		1
8	Some thoughts on electrospray ionization mechanisms. *European Journal of Mass Spectrometry*, **2011**, 17, 85-99	1.1	51
7	Elemental labeling for the identification of proteinaceous-binding media in art works by ICP-MS. *Journal of Mass Spectrometry*, **2011**, 46, 1297-303	2.2	12
6	Sieve-based device for MALDI sample preparation. II. Instrumental parameterization. *Journal of Mass Spectrometry*, **2009**, 44, 1579-86	2.2	6
5	Aspects of the role of surfaces in ionization processes. *Combinatorial Chemistry and High Throughput Screening*, **2009**, 12, 125-36	1.3	12
4	On the coupling of ion-exchange chromatography to surface-activated chemical ionization in the analysis of highly polar metabolites in diluted urine samples. *Rapid Communications in Mass Spectrometry*, **2008**, 22, 2134-8	2.2	3
3	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. *Journal of Mass Spectrometry*, **2008**, 43, 1512-20	2.2	11
2	Claisen rearrangement induced by low-energy collision of ESI-generated, protonated benzyloxy indoles. *Journal of Mass Spectrometry*, **2007**, 42, 1562-8	2.2	8
1	Surface-activated chemical ionization ion trap mass spectrometry for the analysis of cocaine and benzoylecgonine in hair after extraction and sample dilution. *Rapid Communications in Mass Spectrometry*, **2007**, 21, 2515-23	2.2	15