

# Sara Crotti

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

1,173  
citations

566801

15  
h-index

414034

32  
g-index

52  
all docs

52  
docs citations

52  
times ranked

2041  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.0	212
2	Tryptophan in health and disease. <i>Advances in Clinical Chemistry</i> , 2020, 95, 165-218.	1.8	150
3	Compartmentalized activities of the pyruvate dehydrogenase complex sustain lipogenesis in prostate cancer. <i>Nature Genetics</i> , 2018, 50, 219-228.	9.4	139
4	Extracellular Matrix and Colorectal Cancer: How Surrounding Microenvironment Affects Cancer Cell Behavior?. <i>Journal of Cellular Physiology</i> , 2017, 232, 967-975.	2.0	108
5	Some Thoughts on Electrospray Ionization Mechanisms. <i>European Journal of Mass Spectrometry</i> , 2011, 17, 85-99.	0.5	62
6	Decellularized colorectal cancer matrix as bioactive microenvironment for in vitro 3D cancer research. <i>Journal of Cellular Physiology</i> , 2018, 233, 5937-5948.	2.0	61
7	Altered plasma levels of decanoic acid in colorectal cancer as a new diagnostic biomarker. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 6321-6328.	1.9	37
8	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.	4.8	29
9	Predictive response biomarkers in rectal cancer neoadjuvant treatment. <i>Frontiers in Bioscience - Scholar</i> , 2014, S6, 110-119.	0.8	26
10	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.	1.4	23
11	Tryptophan metabolism along the kynurenine and serotonin pathways reveals substantial differences in colon and rectal cancer. <i>Metabolomics</i> , 2017, 13, 1.	1.4	20
12	Nanovectors Design for Theranostic Applications in Colorectal Cancer. <i>Journal of Oncology</i> , 2019, 2019, 1-27.	0.6	20
13	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, 2515-2523.	0.7	18
14	Clinical Predictive Circulating Peptides in Rectal Cancer Patients Treated with Neoadjuvant Chemoradiotherapy. <i>Journal of Cellular Physiology</i> , 2015, 230, 1822-1828.	2.0	17
15	Mass spectrometry in the pharmacokinetic studies of anticancer natural products. <i>Mass Spectrometry Reviews</i> , 2017, 36, 213-251.	2.8	17
16	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, 1512-1520.	0.7	15
17	Alterations of the Plasma Peptidome Profiling in Colorectal Cancer Progression. <i>Journal of Cellular Physiology</i> , 2016, 231, 915-925.	2.0	15
18	The role of mass spectrometry in studies of glycation processes and diabetes management. <i>Mass Spectrometry Reviews</i> , 2019, 38, 112-146.	2.8	15

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19	Experimental Evidence of the Presence of Bimolecular Caffeine/Catechin Complexes in Green Tea Extracts. <i>Journal of Natural Products</i> , 2018, 81, 2338-2347.	1.5	14
20	Aspects of the Role of Surfaces in Ionization Processes. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2009, 12, 125-136.	0.6	13
21	Elemental labeling for the identification of proteinaceous-binding media in art works by ICP-MS. <i>Journal of Mass Spectrometry</i> , 2011, 46, 1298-1304.	0.7	12
22	Sieve-based device for MALDI sample preparation. II. Instrumental parameterization. <i>Journal of Mass Spectrometry</i> , 2009, 44, 1579-1586.	0.7	10
23	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, 5369-5377.	1.9	10
24	Circulating Biomarkers for Response Prediction of Rectal Cancer to Neoadjuvant Chemoradiotherapy. <i>Current Medicinal Chemistry</i> , 2020, 27, 4274-4294.	1.2	10
25	Claisen rearrangement induced by low-energy collision of ESI-generated, protonated benzyloxy indoles. <i>Journal of Mass Spectrometry</i> , 2007, 42, 1562-1568.	0.7	9
26	Medium chain fatty acids in intrauterine growth restricted and small for gestational age pregnancies. <i>Metabolomics</i> , 2017, 13, 1.	1.4	9
27	Tandem mass spectrometry approaches for recognition of isomeric compounds mixtures. <i>Mass Spectrometry Reviews</i> , 2023, 42, 1244-1260.	2.8	9
28	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. <i>European Journal of Mass Spectrometry</i> , 2014, 20, 445-459.	0.5	7
29	Peptide Patterns as Discriminating Biomarkers in Plasma of Patients With Familial Adenomatous Polyposis. <i>Clinical Colorectal Cancer</i> , 2016, 15, e75-e92.	1.0	7
30	Reduced Plasma Levels of Very-Long-Chain Dicarboxylic Acid 28:4 in Italian and Brazilian Colorectal Cancer Patient Cohorts. <i>Metabolites</i> , 2018, 8, 91.	1.3	7
31	New Mass Spectrometric Approaches for the Quantitative Evaluation of Anticancer Drug Levels in Treated Patients. <i>Therapeutic Drug Monitoring</i> , 2019, 41, 1-10.	1.0	6
32	Tryptophan Catabolism and Response to Therapy in Locally Advanced Rectal Cancer (LARC) Patients. <i>Frontiers in Oncology</i> , 2020, 10, 583228.	1.3	6
33	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, 959-962.	0.7	5
34	Tryptophan Metabolism as Source of New Prognostic Biomarkers for FAP Patients. <i>International Journal of Tryptophan Research</i> , 2019, 12, 117864691989029.	1.0	5
35	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.	1.4	5
36	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, 2134-2138.	0.7	4

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37	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.	0.5	4
38	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.	0.7	4
39	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, 253.	1.3	4
40	Diagnostic Devices for Circulating Biomarkers Detection and Quantification. <i>Current Medicinal Chemistry</i> , 2018, 25, 4304-4327.	1.2	4
41	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.	1.4	3
42	Mass spectrometry in the study of molecular complexes between 5-fluorouracil and catechins. <i>Journal of Mass Spectrometry</i> , 2021, 56, e4682.	0.7	3
43	A rhabdomyosarcoma hydrogel model to unveil cell-extracellular matrix interactions. <i>Biomaterials Science</i> , 2021, 10, 124-137.	2.6	3
44	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.	0.8	3
45	Chemical Aspects of the Primary Ionization Mechanisms in Matrix-Assisted Laser Desorption Ionization. <i>European Journal of Mass Spectrometry</i> , 2014, 20, 437-443.	0.5	2
46	Evidence of noncovalent complexes in some natural extracts: Ceylon tea and mate extracts. <i>Journal of Mass Spectrometry</i> , 2020, 55, e4459.	0.7	2
47	Role of mass spectrometry in the study of interactions between amylin and metal ions. <i>Mass Spectrometry Reviews</i> , 2021, , .	2.8	2
48	Advanced Spectroscopic Detectors for Identification and Quantification. , 2013, , 307-331.		1
49	Some Applications of Liquid Chromatography-Mass Spectrometry in the Biomedical Field. <i>Comprehensive Analytical Chemistry</i> , 2018, 79, 329-375.	0.7	1
50	An electrospray ionization study on complexes of amylin with Cu(II) and Cu(I). <i>Journal of Mass Spectrometry</i> , 2021, 56, e4773.	0.7	1
51	Advanced spectroscopic detectors for identification and quantification: Mass spectrometry. , 2017, , 431-462.		0