

# Sara Crotti

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/766866/publications.pdf>

Version: 2024-02-01

51  
papers

1,173  
citations

567281

15  
h-index

414414

32  
g-index

52  
all docs

52  
docs citations

52  
times ranked

2041  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Tandem mass spectrometry approaches for recognition of isomeric compounds mixtures. <i>Mass Spectrometry Reviews</i> , 2023, 42, 1244-1260.  | 5.4 | 9         |
| 2  | 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.                           | 1.8 | 3         |
| 3  | 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.          | 2.8 | 5         |
| 4  | 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. | 2.6 | 4         |
| 5  | An electrospray ionization study on complexes of amylin with Cu(II) and Cu(I). <i>Journal of Mass Spectrometry</i> , 2021, 56, e4773.  | 1.6 | 1         |
| 6  | Role of mass spectrometry in the study of interactions between amylin and metal ions. <i>Mass Spectrometry Reviews</i> , 2021, , .   | 5.4 | 2         |
| 7  | Mass spectrometry in the study of molecular complexes between 5-fluorouracil and catechins. <i>Journal of Mass Spectrometry</i> , 2021, 56, e4682.   | 1.6 | 3         |
| 8  | A rhabdomyosarcoma hydrogel model to unveil cell-extracellular matrix interactions. <i>Biomaterials Science</i> , 2021, 10, 124-137.   | 5.4 | 3         |
| 9  | Tryptophan in health and disease. <i>Advances in Clinical Chemistry</i> , 2020, 95, 165-218.   | 3.7 | 150       |
| 10 | Evidence of noncovalent complexes in some natural extracts: Ceylon tea and mate extracts. <i>Journal of Mass Spectrometry</i> , 2020, 55, e4459.   | 1.6 | 2         |
| 11 | 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.                                  | 2.8 | 3         |
| 12 | Tryptophan Catabolism and Response to Therapy in Locally Advanced Rectal Cancer (LARC) Patients. <i>Frontiers in Oncology</i> , 2020, 10, 583228.  | 2.8 | 6         |
| 13 | 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.                          | 4.1 | 212       |
| 14 | Circulating Biomarkers for Response Prediction of Rectal Cancer to Neoadjuvant Chemoradiotherapy. <i>Current Medicinal Chemistry</i> , 2020, 27, 4274-4294.  | 2.4 | 10        |
| 15 | Nanovectors Design for Theranostic Applications in Colorectal Cancer. <i>Journal of Oncology</i> , 2019, 2019, 1-27.   | 1.3 | 20        |
| 16 | Tryptophan Metabolism as Source of New Prognostic Biomarkers for FAP Patients. <i>International Journal of Tryptophan Research</i> , 2019, 12, 117864691989029.  | 2.3 | 5         |
| 17 | New Mass Spectrometric Approaches for the Quantitative Evaluation of Anticancer Drug Levels in Treated Patients. <i>Therapeutic Drug Monitoring</i> , 2019, 41, 1-10.  | 2.0 | 6         |
| 18 | The role of mass spectrometry in studies of glycation processes and diabetes management. <i>Mass Spectrometry Reviews</i> , 2019, 38, 112-146.   | 5.4 | 15        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | Compartmentalized activities of the pyruvate dehydrogenase complex sustain lipogenesis in prostate cancer. <i>Nature Genetics</i> , 2018, 50, 219-228.  | 21.4 | 139       |
| 20 | Decellularized colorectal cancer matrix as bioactive microenvironment for in vitro 3D cancer research. <i>Journal of Cellular Physiology</i> , 2018, 233, 5937-5948.  | 4.1  | 61        |
| 21 | 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.   | 2.9  | 7         |
| 22 | Experimental Evidence of the Presence of Bimolecular Caffeine/Catechin Complexes in Green Tea Extracts. <i>Journal of Natural Products</i> , 2018, 81, 2338-2347.   | 3.0  | 14        |
| 23 | Some Applications of Liquid Chromatography-Mass Spectrometry in the Biomedical Field. <i>Comprehensive Analytical Chemistry</i> , 2018, 79, 329-375.  | 1.3  | 1         |
| 24 | 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.  | 9.9  | 29        |
| 25 | 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.   | 2.8  | 23        |
| 26 | Diagnostic Devices for Circulating Biomarkers Detection and Quantification. <i>Current Medicinal Chemistry</i> , 2018, 25, 4304-4327.   | 2.4  | 4         |
| 27 | Mass spectrometry in the pharmacokinetic studies of anticancer natural products. <i>Mass Spectrometry Reviews</i> , 2017, 36, 213-251.  | 5.4  | 17        |
| 28 | 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.   | 1.6  | 4         |
| 29 | Medium chain fatty acids in intrauterine growth restricted and small for gestational age pregnancies. <i>Metabolomics</i> , 2017, 13, 1.  | 3.0  | 9         |
| 30 | Advanced spectroscopic detectors for identification and quantification: Mass spectrometry. , 2017, , 431-462.   |      | 0         |
| 31 | Tryptophan metabolism along the kynurenine and serotonin pathways reveals substantial differences in colon and rectal cancer. <i>Metabolomics</i> , 2017, 13, 1.  | 3.0  | 20        |
| 32 | Extracellular Matrix and Colorectal Cancer: How Surrounding Microenvironment Affects Cancer Cell Behavior?. <i>Journal of Cellular Physiology</i> , 2017, 232, 967-975.   | 4.1  | 108       |
| 33 | Altered plasma levels of decanoic acid in colorectal cancer as a new diagnostic biomarker. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 6321-6328.  | 3.7  | 37        |
| 34 | Alterations of the Plasma Peptidome Profiling in Colorectal Cancer Progression. <i>Journal of Cellular Physiology</i> , 2016, 231, 915-925.   | 4.1  | 15        |
| 35 | 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.  | 1.0  | 4         |
| 36 | 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. | 3.7  | 10        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Peptide Patterns as Discriminating Biomarkers in Plasma of Patients With Familial Adenomatous Polyposis. <i>Clinical Colorectal Cancer</i> , 2016, 15, e75-e92.  | 2.3 | 7         |
| 38 | 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.   | 1.6 | 5         |
| 39 | Clinical Predictive Circulating Peptides in Rectal Cancer Patients Treated with Neoadjuvant Chemoradiotherapy. <i>Journal of Cellular Physiology</i> , 2015, 230, 1822-1828.   | 4.1 | 17        |
| 40 | Chemical Aspects of the Primary Ionization Mechanisms in Matrix-Assisted Laser Desorption Ionization. <i>European Journal of Mass Spectrometry</i> , 2014, 20, 437-443.  | 1.0 | 2         |
| 41 | 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. | 1.0 | 7         |
| 42 | Predictive response biomarkers in rectal cancer neoadjuvant treatment. <i>Frontiers in Bioscience - Scholar</i> , 2014, S6, 110-119.   | 2.1 | 26        |
| 43 | Advanced Spectroscopic Detectors for Identification and Quantification. , 2013, , 307-331.   |     | 1         |
| 44 | Some Thoughts on Electrospray Ionization Mechanisms. <i>European Journal of Mass Spectrometry</i> , 2011, 17, 85-99.   | 1.0 | 62        |
| 45 | 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.  | 1.6 | 12        |
| 46 | Sieve-based device for MALDI sample preparation. II. Instrumental parameterization. <i>Journal of Mass Spectrometry</i> , 2009, 44, 1579-1586.   | 1.6 | 10        |
| 47 | Aspects of the Role of Surfaces in Ionization Processes. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2009, 12, 125-136.   | 1.1 | 13        |
| 48 | 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.  | 1.5 | 4         |
| 49 | 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.  | 1.6 | 15        |
| 50 | Claisen rearrangement induced by low-energy collision of ESI-generated, protonated benzyloxy indoles. <i>Journal of Mass Spectrometry</i> , 2007, 42, 1562-1568.   | 1.6 | 9         |
| 51 | 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.   | 1.5 | 18        |