Laura M Sanchez

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2023531/publications.pdf

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54	5,158	304743	161849
papers	citations	22 h-index	54 g-index

63	63	63	7427
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sharing and community curation of mass spectrometry data with Global Natural Products Social Molecular Networking. Nature Biotechnology, 2016, 34, 828-837.	17.5	2,802
2	Molecular Networking as a Dereplication Strategy. Journal of Natural Products, 2013, 76, 1686-1699.	3.0	475
3	The Natural Products Atlas: An Open Access Knowledge Base for Microbial Natural Products Discovery. ACS Central Science, 2019, 5, 1824-1833.	11.3	258
4	Mass spectrometry of natural products: current, emerging and future technologies. Natural Product Reports, 2014, 31, 718.	10.3	165
5	Indexing the Pseudomonas specialized metabolome enabled the discovery of poaeamide B and the bananamides. Nature Microbiology, 2017, 2, 16197.	13.3	121
6	Ralstonia solanacearum lipopeptide induces chlamydospore development in fungi and facilitates bacterial entry into fungal tissues. ISME Journal, 2016, 10, 2317-2330.	9.8	108
7	Real-Time Metabolomics on Living Microorganisms Using Ambient Electrospray Ionization Flow-Probe. Analytical Chemistry, 2013, 85, 7014-7018.	6.5	106
8	Almiramides Aâ^'C: Discovery and Development of a New Class of Leishmaniasis Lead Compounds. Journal of Medicinal Chemistry, 2010, 53, 4187-4197.	6.4	99
9	A community resource for paired genomic and metabolomic data mining. Nature Chemical Biology, 2021, 17, 363-368.	8.0	81
10	Examining the Fish Microbiome: Vertebrate-Derived Bacteria as an Environmental Niche for the Discovery of Unique Marine Natural Products. PLoS ONE, 2012, 7, e35398.	2.5	79
11	Conserved Responses in a War of Small Molecules between a Plant-Pathogenic Bacterium and Fungi. MBio, 2018, 9, .	4.1	73
12	Coupling MALDI-TOF mass spectrometry protein and specialized metabolite analyses to rapidly discriminate bacterial function. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4981-4986.	7.1	68
13	Microbiota of Healthy Corals Are Active against Fungi in a Light-Dependent Manner. ACS Chemical Biology, 2014, 9, 2300-2308.	3.4	58
14	An Integrated Metabolomic and Genomic Mining Workflow To Uncover the Biosynthetic Potential of Bacteria. MSystems, 2016, 1, .	3.8	55
15	Imaging mass spectrometry for natural products discovery: a review of ionization methods. Natural Product Reports, 2020, 37, 150-162.	10.3	54
16	Bacterialâ€"fungal interactions revealed by genome-wide analysis of bacterial mutant fitness. Nature Microbiology, 2021, 6, 87-102.	13.3	49
17	Coproporphyrin III Produced by the Bacterium Glutamicibacter arilaitensis Binds Zinc and Is Upregulated by Fungi in Cheese Rinds. MSystems, 2018, 3, .	3.8	41
18	Examination of the Mode of Action of the Almiramide Family of Natural Products against the Kinetoplastid Parasite Trypanosoma brucei. Journal of Natural Products, 2013, 76, 630-641.	3.0	37

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19	Calling All Hosts: Bacterial Communication In Situ. CheM, 2017, 2, 334-358.	11.7	37
20	Spatial Molecular Architecture of the Microbial Community of a Peltigera Lichen. MSystems, 2016, 1, .	3.8	36
21	Pyrroloacridine Alkaloids from Plakortis quasiamphiaster:â€‰ Structures and Bioactivity. Journal of Natural Products, 2007, 70, 95-99.	3.0	35
22	Biofilm Formation and Detachment in Gram-Negative Pathogens Is Modulated by Select Bile Acids. PLoS ONE, 2016, 11, e0149603.	2.5	31
23	The neurotransmitter receptor Gabbr1 regulates proliferation and function of hematopoietic stem and progenitor cells. Blood, 2021, 137, 775-787.	1.4	28
24	Marine Mammal Microbiota Yields Novel Antibiotic with Potent Activity Against Clostridium difficile. ACS Infectious Diseases, 2018, 4, 59-67.	3.8	22
25	Imaging Mass Spectrometry Reveals Crosstalk between the Fallopian Tube and the Ovary that Drives Primary Metastasis of Ovarian Cancer. ACS Central Science, 2018, 4, 1360-1370.	11.3	19
26	Pseudomonas aeruginosa PumA acts on an endogenous phenazine to promote self-resistance. Microbiology (United Kingdom), 2018, 164, 790-800.	1.8	19
27	Staring into the void: demystifying microbial metabolomics. FEMS Microbiology Letters, 2019, 366, .	1.8	17
28	Versatile Method for the Detection of Covalently Bound Substrates on Solid Supports by DART Mass Spectrometry. Organic Letters, 2011, 13, 3770-3773.	4.6	16
29	Minimizing Taxonomic and Natural Product Redundancy in Microbial Libraries Using MALDI-TOF MS and the Bioinformatics Pipeline IDBac. Journal of Natural Products, 2019, 82, 2167-2173.	3.0	16
30	A Small Molecule Coordinates Symbiotic Behaviors in a Host Organ. MBio, 2021, 12, .	4.1	12
31	Using the Open-Source MALDI TOF-MS IDBac Pipeline for Analysis of Microbial Protein and Specialized Metabolite Data. Journal of Visualized Experiments, 2019, , .	0.3	11
32	BLANKA: an Algorithm for Blank Subtraction in Mass Spectrometry of Complex Biological Samples. Journal of the American Society for Mass Spectrometry, 2019, 30, 1426-1434.	2.8	11
33	Whole Cell MALDI Fingerprinting Is a Robust Tool for Differential Profiling of Two-Component Mammalian Cell Mixtures. Journal of the American Society for Mass Spectrometry, 2019, 30, 344-354.	2.8	11
34	Biofilm Inhibitor Taurolithocholic Acid Alters Colony Morphology, Specialized Metabolism, and Virulence of Pseudomonas aeruginosa. ACS Infectious Diseases, 2020, 6, 603-612.	3.8	10
35	Capturing Small Molecule Communication Between Tissues and Cells Using Imaging Mass Spectrometry. Journal of Visualized Experiments, 2019, , .	0.3	9
36	A Family of Nonribosomal Peptides Modulate Collective Behavior in Pseudovibrio Bacteria Isolated from Marine Sponges**. Angewandte Chemie - International Edition, 2021, 60, 15891-15898.	13.8	9

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37	Optimization of a minimal sample preparation protocol for imaging mass spectrometry of unsectioned juvenile invertebrates. Journal of Mass Spectrometry, 2020, 55, e4458.	1.6	8
38	Using Tumor Explants for Imaging Mass Spectrometry Visualization of Unlabeled Peptides and Small Molecules. ACS Medicinal Chemistry Letters, 2018, 9, 768-772.	2.8	7
39	Detection of Ovarian Cancer Using Samples Sourced from the Vaginal Microenvironment. Journal of Proteome Research, 2020, 19, 503-510.	3.7	7
40	Spatial Analyses of Specialized Metabolites: The Key to Studying Function in Hosts. MSystems, 2018, 3, .	3.8	6
41	Virulence caught green-handed. Nature Chemistry, 2013, 5, 155-157.	13.6	5
42	Chemically transformed monolayers on acene thin films for improved metal/organic interfaces. Chemical Communications, 2019, 55, 13975-13978.	4.1	5
43	Evaluation of Data Analysis Platforms and Compatibility with MALDI-TOF Imaging Mass Spectrometry Data Sets. Journal of the American Society for Mass Spectrometry, 2020, 31, 1313-1320.	2.8	5
44	Toward improvement of screening through mass spectrometry-based proteomics: Ovarian cancer as a case study. International Journal of Mass Spectrometry, 2021, 469, 116679.	1.5	5
45	Utilizing imaging mass spectrometry to analyze microbial biofilm chemical responses to exogenous compounds. Methods in Enzymology, 2022, 665, 281-304.	1.0	5
46	Addition of insoluble fiber to isolation media allows for increased metabolite diversity of lab-cultivable microbes derived from zebrafish gut samples. Gut Microbes, 2020, 11, 1064-1076.	9.8	4
47	Relationship between bacterial phylotype and specialized metabolite production in the culturable microbiome of two freshwater sponges. ISME Communications, 2022, 2, .	4.2	4
48	Models for measuring metabolic chemical changes in the metastasis of high grade serous ovarian cancer: fallopian tube, ovary, and omentum. Molecular Omics, 2021, 17, 819-832.	2.8	3
49	Fallopian Tube-Derived Tumor Cells Induce Testosterone Secretion from the Ovary, Increasing Epithelial Proliferation and Invasion. Cancers, 2021, 13, 1925.	3.7	3
50	Home-Built Spinning Apparatus for Drying Agarose-Based Imaging Mass Spectrometry Samples. Journal of the American Society for Mass Spectrometry, 2022, 33, 1325-1328.	2.8	3
51	A Call to Action: the Need for Standardization in Developing Open-Source Mass Spectrometry-Based Methods for Microbial Subspecies Discrimination. MSystems, 2020, 5, .	3.8	2
52	Automated Microbial Library Generation Using the Bioinformatics Platform IDBac. Molecules, 2022, 27, 2038.	3.8	2
53	The Effects of Water Volume and Bacterial Concentration on the Water Filtration Assay Used in Zebrafish Health Surveillance. Journal of the American Association for Laboratory Animal Science, 2021, 60, 655-660.	1.2	1
54	TIMSCONVERT: a workflow to convert trapped ion mobility data to open data formats. Bioinformatics, 2022, 38, 4046-4047.	4.1	1