

# Roland D Kersten

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

6,102  
citations

304368

22  
h-index

454577

30  
g-index

32  
all docs

32  
docs citations

32  
times ranked

7824  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sharing and community curation of mass spectrometry data with Global Natural Products Social Molecular Networking. <i>Nature Biotechnology</i> , 2016, 34, 828-837.	9.4	2,802
2	Mass spectral molecular networking of living microbial colonies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E1743-52.	3.3	804
3	Direct cloning and refactoring of a silent lipopeptide biosynthetic gene cluster yields the antibiotic taromycin A. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1957-1962.	3.3	403
4	A mass spectrometry-guided genome mining approach for natural product peptidogenomics. <i>Nature Chemical Biology</i> , 2011, 7, 794-802.	3.9	329
5	MS/MS networking guided analysis of molecule and gene cluster families. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2611-20.	3.3	250
6	Biosynthesis of polybrominated aromatic organic compounds by marine bacteria. <i>Nature Chemical Biology</i> , 2014, 10, 640-647.	3.9	246
7	Bacterial Biosynthesis and Maturation of the Didemnin Anti-cancer Agents. <i>Journal of the American Chemical Society</i> , 2012, 134, 8625-8632.	6.6	155
8	Automated Genome Mining of Ribosomal Peptide Natural Products. <i>ACS Chemical Biology</i> , 2014, 9, 1545-1551.	1.6	133
9	Nonribosomal Peptides, Key Biocontrol Components for <i>Pseudomonas fluorescens</i> In5, Isolated from a Greenlandic Suppressive Soil. <i>MBio</i> , 2015, 6, e00079.	1.8	104
10	Glycogenomics as a mass spectrometry-guided genome-mining method for microbial glycosylated molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E4407-16.	3.3	101
11	Bioactivity-Guided Genome Mining Reveals the Lomaiviticin Biosynthetic Gene Cluster in <i>Salinispora tropica</i> . <i>ChemBioChem</i> , 2013, 14, 955-962.	1.3	82
12	NRPquest: Coupling Mass Spectrometry and Genome Mining for Nonribosomal Peptide Discovery. <i>Journal of Natural Products</i> , 2014, 77, 1902-1909.	1.5	81
13	Imaging Mass Spectrometry and Genome Mining via Short Sequence Tagging Identified the Anti-Infective Agent Arylomycin in <i>Streptomyces roseosporus</i> . <i>Journal of the American Chemical Society</i> , 2011, 133, 18010-18013.	6.6	79
14	MS/MS-based networking and peptidogenomics guided genome mining revealed the stenothricin gene cluster in <i>Streptomyces roseosporus</i> . <i>Journal of Antibiotics</i> , 2014, 67, 99-104.	1.0	64
15	Biosynthetic Multitasking Facilitates Thalassospiramide Structural Diversity in Marine Bacteria. <i>Journal of the American Chemical Society</i> , 2013, 135, 1155-1162.	6.6	55
16	A Red Algal Bourbonane Sesquiterpene Synthase Defined by Microgram-Scale NMR-Coupled Crystalline Sponge X-ray Diffraction Analysis. <i>Journal of the American Chemical Society</i> , 2017, 139, 16838-16844.	6.6	55
17	Crystalline-Sponge-Based Structural Analysis of Crude Natural Product Extracts. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3671-3675.	7.2	55
18	Novel Phenol-soluble Modulins in Community-associated Methicillin-resistant <i>Staphylococcus aureus</i> Identified through Imaging Mass Spectrometry. <i>Journal of Biological Chemistry</i> , 2012, 287, 13889-13898.	1.6	53

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19	Gene-guided discovery and engineering of branched cyclic peptides in plants. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10961-E10969.	3.3	52
20	Iron acquisition in the marine actinomycete genus <i>Salinispora</i> is controlled by the desferrioxamine family of siderophores. FEMS Microbiology Letters, 2012, 335, 95-103.	0.7	36
21	Discovery and biosynthesis of cyclic plant peptides via autocatalytic cyclases. Nature Chemical Biology, 2022, 18, 18-28.	3.9	36
22	Secondary Metabolomics: Natural Products Mass Spectrometry Goes Global. ACS Chemical Biology, 2009, 4, 599-601.	1.6	24
23	Mechanism-Based Post-Translational Modification and Inactivation in Terpene Synthases. ACS Chemical Biology, 2015, 10, 2501-2511.	1.6	21
24	Practical 4 <sup>th</sup> -Phosphopantetheine Active Site Discovery from Proteomic Samples. Journal of Proteome Research, 2011, 10, 320-329.	1.8	16
25	Gene-Guided Discovery and Ribosomal Biosynthesis of Moroidin Peptides. Journal of the American Chemical Society, 2022, 144, 7686-7692.	6.6	16
26	Natural product nitrosation. Nature Chemical Biology, 2010, 6, 636-637.	3.9	13
27	Crystalline Sponges-Based Structural Analysis of Crude Natural Product Extracts. Angewandte Chemie, 2018, 130, 3733-3737.	1.6	12
28	Plant Copper Metalloenzymes As Prospects for New Metabolism Involving Aromatic Compounds. Frontiers in Plant Science, 2021, 12, 692108.	1.7	12
29	Uptake of Phytoplankton-Derived Carbon and Cobalamins by Novel <i>Acidobacteria</i> Genera in <i>Microcystis</i> Blooms Inferred from Metagenomic and Metatranscriptomic Evidence. Applied and Environmental Microbiology, 2022, 88, .	1.4	7
30	Cover Picture: Connecting Chemotypes and Phenotypes of Cultured Marine Microbial Assemblages by Imaging Mass Spectrometry (Angew. Chem. Int. Ed. 26/2011). Angewandte Chemie - International Edition, 2011, 50, 5773-5773.	7.2	0