

# Max Crsemann

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47  
papers

3,061  
citations

18  
h-index

52  
g-index

52  
ext. papers

4,179  
ext. citations

7.8  
avg. IF

4.36  
L-index

#	Paper	IF	Citations
47	Coupling Mass Spectral and Genomic Information to Improve Bacterial Natural Product Discovery Workflows. <i>Marine Drugs</i> , <b>2021</b> , 19,	6	2
46	Biosynthesis and Mechanism of Action of the Cell Wall Targeting Antibiotic Hypeptin. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 13691-13698	3.6	0
45	Biosynthesis and Mechanism of Action of the Cell Wall Targeting Antibiotic Hypeptin. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 13579-13586	16.4	4
44	Feature-Based Molecular Networking for the Targeted Identification of G-Inhibiting FR900359 Derivatives. <i>Journal of Natural Products</i> , <b>2021</b> , 84, 1941-1953	4.9	0
43	A biaryl-linked tripeptide from <i>Planomonospora</i> reveals a widespread class of minimal RiPP gene clusters. <i>Cell Chemical Biology</i> , <b>2021</b> , 28, 733-739.e4	8.2	8
42	: A Metabolomics Perspective on an Underexplored Actinobacteria Genus. <i>Journal of Natural Products</i> , <b>2021</b> , 84, 204-219	4.9	10
41	Induction of antibiotic specialized metabolism by co-culturing in a collection of phyllosphere bacteria. <i>Environmental Microbiology</i> , <b>2021</b> , 23, 2132-2151	5.2	4
40	Thioesterase-mediated side chain transesterification generates potent Gq signaling inhibitor FR900359. <i>Nature Communications</i> , <b>2021</b> , 12, 144	17.4	12
39	A community resource for paired genomic and metabolomic data mining. <i>Nature Chemical Biology</i> , <b>2021</b> , 17, 363-368	11.7	32
38	Effective approaches to discover new microbial metabolites in a large strain library. <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2021</b> , 48,	4.2	2
37	An experimental strategy to probe Gq contribution to signal transduction in living cells. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 296, 100472	5.4	6
36	The chromodepsins - chemistry, biology and biosynthesis of a selective Gq inhibitor natural product family. <i>Natural Product Reports</i> , <b>2021</b> ,	15.1	1
35	and Venom: A New Source of Conopeptides with Analgesic Activity. <i>Avicenna Journal of Medical Biotechnology</i> , <b>2020</b> , 12, 179-185	1.4	
34	From Persian Gulf to Indonesia: interrelated phylogeographic distance and chemistry within the genus <i>Peronia</i> (Onchidiidae, Gastropoda, Mollusca). <i>Scientific Reports</i> , <b>2020</b> , 10, 13048	4.9	2
33	Metabolome of the Species Complex (Nudibranchia, Heterobranchia, Gastropoda) Reveals Rare Dichloroimidic Sesquiterpene Derivatives from a Phylogenetically Distinct and Undescribed Clade. <i>Journal of Natural Products</i> , <b>2020</b> , 83, 2785-2796	4.9	4
32	Isolation of fungi using the diffusion chamber device FIND technology. <i>Beilstein Journal of Organic Chemistry</i> , <b>2019</b> , 15, 2191-2203	2.5	5
31	Rational design of a heterotrimeric G protein $\beta$ subunit with artificial inhibitor sensitivity. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 5747-5758	5.4	20

30	Biosynthetic Basis for Structural Diversity of Aminophenylpyrrole-Derived Alkaloids. <i>ACS Chemical Biology</i> , <b>2019</b> , 14, 176-181	4.9	5
29	Function-related replacement of bacterial siderophore pathways. <i>ISME Journal</i> , <b>2018</b> , 12, 320-329	11.9	40
28	Antimicrobial Dialkylresorcins from Marine-Derived Microorganisms: Insights into Their Mode of Action and Putative Ecological Relevance. <i>Planta Medica</i> , <b>2018</b> , 84, 1363-1371	3.1	7
27	Deciphering Specificity Determinants for FR900359-Derived G $\alpha$ Inhibitors Based on Computational and Structure-Activity Studies. <i>ChemMedChem</i> , <b>2018</b> , 13, 1634-1643	3.7	15
26	Heterologous Expression, Biosynthetic Studies, and Ecological Function of the Selective Gq-Signaling Inhibitor FR900359. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 836-840	16.4	30
25	Heterologe Expression, Biosynthese und Biologische Funktion des selektiven Gq-Signaltransduktionsinhibitors FR900359. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 844-849	3.6	1
24	Analysis of the Genome and Metabolome of Marine Myxobacteria Reveals High Potential for Biosynthesis of Novel Specialized Metabolites. <i>Scientific Reports</i> , <b>2018</b> , 8, 16600	4.9	22
23	Cyclopropane-Containing Fatty Acids from the Marine Bacterium sp. 011 with Antimicrobial and GPR84 Activity. <i>Marine Drugs</i> , <b>2018</b> , 16,	6	15
22	Applying Molecular Networking for the Detection of Natural Sources and Analogues of the Selective Gq Protein Inhibitor FR900359. <i>Journal of Natural Products</i> , <b>2018</b> , 81, 1628-1635	4.9	19
21	Biosynthetic Studies on Acetosellin and Structure Elucidation of a New Acetosellin Derivative. <i>Planta Medica</i> , <b>2017</b> , 83, 1044-1052	3.1	5
20	PCR-Independent Method of Transformation-Associated Recombination Reveals the Cosmomycin Biosynthetic Gene Cluster in an Ocean Streptomyces. <i>Journal of Natural Products</i> , <b>2017</b> , 80, 1200-1204	4.9	16
19	Volatiles from the fungal microbiome of the marine sponge <i>Callyspongia cf. flammea</i> . <i>Organic and Biomolecular Chemistry</i> , <b>2017</b> , 15, 7411-7421	3.9	10
18	Prioritizing Natural Product Diversity in a Collection of 146 Bacterial Strains Based on Growth and Extraction Protocols. <i>Journal of Natural Products</i> , <b>2017</b> , 80, 588-597	4.9	78
17	Diversity and Antimicrobial Potential of Predatory Bacteria from the Peruvian Coastline. <i>Marine Drugs</i> , <b>2017</b> , 15,	6	11
16	Identification and heterologous expression of the kocurin biosynthetic gene cluster. <i>Microbiology (United Kingdom)</i> , <b>2017</b> , 163, 1409-1414	2.9	15
15	Microbial and biochemical basis of a <i>Fusarium</i> wilt-suppressive soil. <i>ISME Journal</i> , <b>2016</b> , 10, 119-29	11.9	224
14	Marine-derived myxobacteria of the suborder Nannocystineae: An underexplored source of structurally intriguing and biologically active metabolites. <i>Beilstein Journal of Organic Chemistry</i> , <b>2016</b> , 12, 969-984	2.5	26
13	Sharing and community curation of mass spectrometry data with Global Natural Products Social Molecular Networking. <i>Nature Biotechnology</i> , <b>2016</b> , 34, 828-837	44.5	1566

12	Molecular networking and pattern-based genome mining improves discovery of biosynthetic gene clusters and their products from <i>Salinispora</i> species. <i>Chemistry and Biology</i> , <b>2015</b> , 22, 460-471		122
11	Direct capture and heterologous expression of <i>Salinispora</i> natural product genes for the biosynthesis of enterocin. <i>Journal of Natural Products</i> , <b>2015</b> , 78, 539-42	4.9	52
10	Salinipyronone and Pacificanone Are Biosynthetic By-products of the Rosamicin Polyketide Synthase. <i>ChemBioChem</i> , <b>2015</b> , 16, 1443-7	3.8	18
9	An environmental bacterial taxon with a large and distinct metabolic repertoire. <i>Nature</i> , <b>2014</b> , 506, 58-62	50.4	421
8	Biosynthesis of phenylannolone A, a multidrug resistance reversal agent from the halotolerant myxobacterium <i>Nannocystis pusilla</i> B150. <i>ChemBioChem</i> , <b>2014</b> , 15, 757-65	3.8	16
7	Biosynthetic origin of the antibiotic cyclocarbamate brabantamide A (SB-253514) in plant-associated <i>Pseudomonas</i> . <i>ChemBioChem</i> , <b>2014</b> , 15, 259-66	3.8	39
6	Manipulation of regulatory genes reveals complexity and fidelity in hormaomycin biosynthesis. <i>Chemistry and Biology</i> , <b>2013</b> , 20, 839-46		17
5	Evolution-guided engineering of nonribosomal peptide synthetase adenylation domains. <i>Chemical Science</i> , <b>2013</b> , 4, 1041-1045	9.4	56
4	Triterpene glycosides from the leaves of <i>Pittosporum angustifolium</i> . <i>Planta Medica</i> , <b>2013</b> , 79, 1461-9	3.1	25
3	Insights into the biosynthesis of hormaomycin, an exceptionally complex bacterial signaling metabolite. <i>Chemistry and Biology</i> , <b>2011</b> , 18, 381-91		75
2	A biaryl-linked tripeptide from <i>Planomonospora</i> leads to widespread class of minimal RiPP gene clusters		1
1	<i>Planomonospora</i> : a Metabolomics Perspective on an Underexplored Actinobacteria Genus		2