# Max Crsemann

## List of Publications by Citations



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|---|---|---|---|
| 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 | Sharing and community curation of mass spectrometry data with Global Natural Products Social Molecular Networking. *Nature Biotechnology*, **2016**, 34, 828-837 | 44.5 | 1566 |
| 46 | An environmental bacterial taxon with a large and distinct metabolic repertoire. *Nature*, **2014**, 506, 58-62 | 50.4 | 421 |
| 45 | Microbial and biochemical basis of a Fusarium wilt-suppressive soil. *ISME Journal*, **2016**, 10, 119-29 | 11.9 | 224 |
| 44 | Molecular networking and pattern-based genome mining improves discovery of biosynthetic gene clusters and their products from Salinispora species. *Chemistry and Biology*, **2015**, 22, 460-471 | | 122 |
| 43 | Prioritizing Natural Product Diversity in a Collection of 146 Bacterial Strains Based on Growth and Extraction Protocols. *Journal of Natural Products*, **2017**, 80, 588-597 | 4.9 | 78 |
| 42 | Insights into the biosynthesis of hormaomycin, an exceptionally complex bacterial signaling metabolite. *Chemistry and Biology*, **2011**, 18, 381-91 | | 75 |
| 41 | Evolution-guided engineering of nonribosomal peptide synthetase adenylation domains. *Chemical Science*, **2013**, 4, 1041-1045 | 9.4 | 56 |
| 40 | Direct capture and heterologous expression of Salinispora natural product genes for the biosynthesis of enterocin. *Journal of Natural Products*, **2015**, 78, 539-42 | 4.9 | 52 |
| 39 | Function-related replacement of bacterial siderophore pathways. *ISME Journal*, **2018**, 12, 320-329 | 11.9 | 40 |
| 38 | Biosynthetic origin of the antibiotic cyclocarbamate brabantamide A (SB-253514) in plant-associated Pseudomonas. *ChemBioChem*, **2014**, 15, 259-66 | 3.8 | 39 |
| 37 | A community resource for paired genomic and metabolomic data mining. *Nature Chemical Biology*, **2021**, 17, 363-368 | 11.7 | 32 |
| 36 | Heterologous Expression, Biosynthetic Studies, and Ecological Function of the Selective Gq-Signaling Inhibitor FR900359. *Angewandte Chemie - International Edition*, **2018**, 57, 836-840 | 16.4 | 30 |
| 35 | Marine-derived myxobacteria of the suborder Nannocystineae: An underexplored source of structurally intriguing and biologically active metabolites. *Beilstein Journal of Organic Chemistry*, **2016**, 12, 969-984 | 2.5 | 26 |
| 34 | Triterpene glycosides from the leaves of Pittosporum angustifolium. *Planta Medica*, **2013**, 79, 1461-9 | 3.1 | 25 |
| 33 | Analysis of the Genome and Metabolome of Marine Myxobacteria Reveals High Potential for Biosynthesis of Novel Specialized Metabolites. *Scientific Reports*, **2018**, 8, 16600 | 4.9 | 22 |
| 32 | Rational design of a heterotrimeric G protein subunit with artificial inhibitor sensitivity. *Journal of Biological Chemistry*, **2019**, 294, 5747-5758 | 5.4 | 20 |
| 31 | Applying Molecular Networking for the Detection of Natural Sources and Analogues of the Selective Gq Protein Inhibitor FR900359. *Journal of Natural Products*, **2018**, 81, 1628-1635 | 4.9 | 19 |

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| 30 | Salinipyrone and Pacificanone Are Biosynthetic By-products of the Rosamicin Polyketide Synthase. *ChemBioChem*, **2015**, 16, 1443-7 | 3.8 | 18 |
| 29 | Manipulation of regulatory genes reveals complexity and fidelity in hormaomycin biosynthesis. *Chemistry and Biology*, **2013**, 20, 839-46 | | 17 |
| 28 | PCR-Independent Method of Transformation-Associated Recombination Reveals the Cosmomycin Biosynthetic Gene Cluster in an Ocean Streptomycete. *Journal of Natural Products*, **2017**, 80, 1200-1204 | 4.9 | 16 |
| 27 | Biosynthesis of phenylnannolone A, a multidrug resistance reversal agent from the halotolerant myxobacterium Nannocystis pusilla B150. *ChemBioChem*, **2014**, 15, 757-65 | 3.8 | 16 |
| 26 | Deciphering Specificity Determinants for FR900359-Derived G Inhibitors Based on Computational and Structure-Activity Studies. *ChemMedChem*, **2018**, 13, 1634-1643 | 3.7 | 15 |
| 25 | Identification and heterologous expression of the kocurin biosynthetic gene cluster. *Microbiology (United Kingdom)*, **2017**, 163, 1409-1414 | 2.9 | 15 |
| 24 | Cyclopropane-Containing Fatty Acids from the Marine Bacterium sp. 011 with Antimicrobial and GPR84 Activity. *Marine Drugs*, **2018**, 16, | 6 | 15 |
| 23 | Thioesterase-mediated side chain transesterification generates potent Gq signaling inhibitor FR900359. *Nature Communications*, **2021**, 12, 144 | 17.4 | 12 |
| 22 | Diversity and Antimicrobial Potential of Predatory Bacteria from the Peruvian Coastline. *Marine Drugs*, **2017**, 15, | 6 | 11 |
| 21 | Volatiles from the fungal microbiome of the marine sponge Callyspongia cf. flammea. *Organic and Biomolecular Chemistry*, **2017**, 15, 7411-7421 | 3.9 | 10 |
| 20 | : A Metabolomics Perspective on an Underexplored Actinobacteria Genus. *Journal of Natural Products*, **2021**, 84, 204-219 | 4.9 | 10 |
| 19 | A biaryl-linked tripeptide from Planomonospora reveals a widespread class of minimal RiPP gene clusters. *Cell Chemical Biology*, **2021**, 28, 733-739.e4 | 8.2 | 8 |
| 18 | Antimicrobial Dialkylresorcins from Marine-Derived Microorganisms: Insights into Their Mode of Action and Putative Ecological Relevance. *Planta Medica*, **2018**, 84, 1363-1371 | 3.1 | 7 |
| 17 | An experimental strategy to probe Gq contribution to signal transduction in living cells. *Journal of Biological Chemistry*, **2021**, 296, 100472 | 5.4 | 6 |
| 16 | Biosynthetic Studies on Acetosellin and Structure Elucidation of a New Acetosellin Derivative. *Planta Medica*, **2017**, 83, 1044-1052 | 3.1 | 5 |
| 15 | Isolation of fungi using the diffusion chamber device FIND technology. *Beilstein Journal of Organic Chemistry*, **2019**, 15, 2191-2203 | 2.5 | 5 |
| 14 | Biosynthetic Basis for Structural Diversity of Aminophenylpyrrole-Derived Alkaloids. *ACS Chemical Biology*, **2019**, 14, 176-181 | 4.9 | 5 |
| 13 | Metabolome of the Species Complex (Nudibranchia, Heterobranchia, Gastropoda) Reveals Rare Dichloroimidic Sesquiterpene Derivatives from a Phylogenetically Distinct and Undescribed Clade. *Journal of Natural Products*, **2020**, 83, 2785-2796 | 4.9 | 4 |

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| 12 | Biosynthesis and Mechanism of Action of the Cell Wall Targeting Antibiotic Hypeptin. *Angewandte Chemie - International Edition*, **2021**, 60, 13579-13586 | 16.4 | 4 |
| 11 | Induction of antibiotic specialized metabolism by co-culturing in a collection of phyllosphere bacteria. *Environmental Microbiology*, **2021**, 23, 2132-2151 | 5.2 | 4 |
| 10 | Planomonospora: a Metabolomics Perspective on an Underexplored Actinobacteria Genus | | 2 |
| 9 | From Persian Gulf to Indonesia: interrelated phylogeographic distance and chemistry within the genus Peronia (Onchidiidae, Gastropoda, Mollusca). *Scientific Reports*, **2020**, 10, 13048 | 4.9 | 2 |
| 8 | Coupling Mass Spectral and Genomic Information to Improve Bacterial Natural Product Discovery Workflows. *Marine Drugs*, **2021**, 19, | 6 | 2 |
| 7 | Effective approaches to discover new microbial metabolites in a large strain library. *Journal of Industrial Microbiology and Biotechnology*, **2021**, 48, | 4.2 | 2 |
| 6 | A biaryl-linked tripeptide from Planomonospora leads to widespread class of minimal RiPP gene clusters | | 1 |
| 5 | Heterologe Expression, Biosynthese und ökologische Funktion des selektiven Gq-Signaltransduktionsinhibitors FR900359. *Angewandte Chemie*, **2018**, 130, 844-849 | 3.6 | 1 |
| 4 | The chromodepsins - chemistry, biology and biosynthesis of a selective Gq inhibitor natural product family. *Natural Product Reports*, **2021**, | 15.1 | 1 |
| 3 | Biosynthesis and Mechanism of Action of the Cell Wall Targeting Antibiotic Hypeptin. *Angewandte Chemie*, **2021**, 133, 13691-13698 | 3.6 | 0 |
| 2 | Feature-Based Molecular Networking for the Targeted Identification of G-Inhibiting FR900359 Derivatives. *Journal of Natural Products*, **2021**, 84, 1941-1953 | 4.9 | 0 |
| 1 | and Venom: A New Source of Conopeptides with Analgesic Activity. *Avicenna Journal of Medical Biotechnology*, **2020**, 12, 179-185 | 1.4 | |