

# Roderich D SÃ¼ssmuth

## List of Publications by Year in descending order

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250  
papers

16,969  
citations

16451

64  
h-index

19749

117  
g-index

276  
all docs

276  
docs citations

276  
times ranked

12991  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | The Bacterial and Fungal Microbiota of the Mexican Rubiaceae Family Medicinal Plant <i>Bouvardia ternifolia</i> . <i>Microbial Ecology</i> , 2022, 84, 510-526.   | 2.8  | 6         |
| 2  | Specificity and genetic polymorphism in the Vfm quorum sensing system of plant pathogenic bacteria of the genus <i>Dickeya</i> . <i>Environmental Microbiology</i> , 2022, 24, 1467-1483.   | 3.8  | 8         |
| 3  | Insights into the mode of action of the two-peptide lantibiotic lichenicidin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 211, 112308.  | 5.0  | 10        |
| 4  | Assessing the potential of the two-peptide lantibiotic lichenicidin as a new generation antimicrobial. <i>World Journal of Microbiology and Biotechnology</i> , 2022, 38, 18.   | 3.6  | 6         |
| 5  | Aurora Kinase A Is Involved in Controlling the Localization of Aquaporin-2 in Renal Principal Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 763.  | 4.1  | 3         |
| 6  | Does <i>Bacillus velezensis</i> Strain RP137 from the Persian Gulf Really Produce an Aminoglycoside?. <i>Current Microbiology</i> , 2022, 79, 75.   | 2.2  | 1         |
| 7  | Total Synthesis and Biosynthesis of Cyclodepsipeptide Cochimicin. <i>Organic Letters</i> , 2022, 24, 2344-2348.   | 4.6  | 2         |
| 8  | Quantum Chemistry-based Molecular Dynamics Simulations as a Tool for the Assignment of ESI-MS/MS Spectra of Drug Molecules. <i>Chemistry - A European Journal</i> , 2022, 28, .   | 3.3  | 8         |
| 9  | Total Synthesis and Biological Evaluation of Paenilamicins from the Honey Bee Pathogen <i>Paenibacillus larvae</i> . <i>Journal of the American Chemical Society</i> , 2022, 144, 288-296.  | 13.7 | 6         |
| 10 | Molecular basis of antibiotic self-resistance in a bee larvae pathogen. <i>Nature Communications</i> , 2022, 13, 2349.  | 12.8 | 4         |
| 11 | New developments in RiPP discovery, enzymology and engineering. <i>Natural Product Reports</i> , 2021, 38, 130-239.   | 10.3 | 412       |
| 12 | Characterization of the Plant-Associated Bacterial Microbiota of the Mexican Medicinal Species <i>Bouvardia ternifolia</i> . <i>Proceedings (mdpi)</i> , 2021, 66, .  | 0.2  | 1         |
| 13 | Eliciting the silent lucensomycin biosynthetic pathway in <i>Streptomyces cyanogenus</i> S136 via manipulation of the global regulatory gene <i>adpA</i> . <i>Scientific Reports</i> , 2021, 11, 3507.  | 3.3  | 14        |
| 14 | An ultrafast and flexible liquid chromatography/tandem mass spectrometry system paves the way for machine learning driven <i>in vivo</i> sample processing in early drug discovery. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e9096. | 1.5  | 0         |
| 15 | Acetylenic Replacement of Albicidin's Methacrylamide Residue Circumvents Detrimental E / Z Photoisomerization and Preserves Antibacterial Activity. <i>Chemistry - A European Journal</i> , 2021, 27, 9077-9086.  | 3.3  | 8         |
| 16 | Old World Vipers' A Review about Snake Venom Proteomics of Viperinae and Their Variations. <i>Toxins</i> , 2021, 13, 427.   | 3.4  | 36        |
| 17 | Hexapod Assassins'™ Potion: Venom Composition and Bioactivity from the Eurasian Assassin Bug <i>Rhynocoris iracundus</i> . <i>Biomedicines</i> , 2021, 9, 819.  | 3.2  | 5         |
| 18 | Iodine-Mediated Tryptathionine Formation Facilitates the Synthesis of Amanitins. <i>Journal of the American Chemical Society</i> , 2021, 143, 14322-14331.  | 13.7 | 7         |

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|----|---|------|-----------|
| 19 | Overcoming AlbD Protease Resistance and Improving Potency: Synthesis and Bioactivity of Antibacterial Albicidin Analogues with Amide Bond Isosteres. <i>Organic Letters</i> , 2021, 23, 7023-7027.  | 4.6  | 6         |
| 20 | Identification of the Catalytic Residues in the Cyclase Domain of the Class IV Lanthipeptide Synthetase SgbL. <i>ChemBioChem</i> , 2021, 22, 3169-3172.   | 2.6  | 11        |
| 21 | Labyrinthopeptin A1 inhibits dengue and Zika virus infection by interfering with the viral phospholipid membrane. <i>Virology</i> , 2021, 562, 74-86.   | 2.4  | 12        |
| 22 | Pentapeptide repeat protein QnrB1 requires ATP hydrolysis to rejuvenate poisoned gyrase complexes. <i>Nucleic Acids Research</i> , 2021, 49, 1581-1596.   | 14.5 | 7         |
| 23 | Improvement of the antimicrobial potency, pharmacokinetic and pharmacodynamic properties of albicidin by incorporation of nitrogen atoms. <i>Chemical Science</i> , 2021, 12, 14606-14617.  | 7.4  | 9         |
| 24 | Combined Molecular and Elemental Mass Spectrometry Approaches for Absolute Quantification of Proteomes: Application to the Venomics Characterization of the Two Species of Desert Black Cobras, <i>Walterinnesia aegyptia</i> and <i>Walterinnesia morgani</i> . <i>Journal of Proteome Research</i> , 2021, 20, 5064-5078. | 3.7  | 10        |
| 25 | Short self-assembling cationic antimicrobial peptide mimetics based on a 3,5-diaminobenzoic acid scaffold. <i>Peptide Science</i> , 2020, 112, e24130.  | 1.8  | 13        |
| 26 | A Convergent Total Synthesis of the Death Cap Toxin $\hat{\pm}$ Amanitin. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5500-5504.   | 13.8 | 33        |
| 27 | Labyrinthopeptins Exert Broad-Spectrum Antiviral Activity through Lipid-Binding-Mediated Virolysis. <i>Journal of Virology</i> , 2020, 94, .  | 3.4  | 30        |
| 28 | Matters of class: coming of age of class III and IV lanthipeptides. <i>RSC Chemical Biology</i> , 2020, 1, 110-127.   | 4.1  | 47        |
| 29 | Concentration Dependence of the Unbound Partition Coefficient $K_{p,uu}$ and Its Application to Correct for Exposure-Related Discrepancies between Biochemical and Cellular Potency of KAT6A Inhibitors. <i>Drug Metabolism and Disposition</i> , 2020, 48, 553-562.  | 3.3  | 12        |
| 30 | Eine amphipathische $\alpha$ -Helix lenkt die Modifizierung ribosomal-synthetisierter Lipolanthine. <i>Angewandte Chemie</i> , 2020, 132, 16920.  | 2.0  | 7         |
| 31 | An Amphipathic $\alpha$ -Helix Guides Maturation of the Ribosomally-Synthesized Lipolanthines. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16777-16785.  | 13.8 | 43        |
| 32 | Self-Assembled Monolayer Epitope Bridges for Molecular Imprinting and Cancer Biomarker Sensing. <i>Analytical Chemistry</i> , 2020, 92, 4798-4806.  | 6.5  | 54        |
| 33 | RÄ¼cktitelbild: Eine konvergente Totalsynthese des Pilztoxins $\hat{\pm}$ Amanitin ( <i>Angew. Chem.</i> 14/2020). <i>Angewandte Chemie</i> , 2020, 132, 5902-5902.   | 2.0  | 0         |
| 34 | Extended Snake Venomics by Top-Down In-Source Decay: Investigating the Newly Discovered Anatolian Meadow Viper Subspecies, <i>Vipera anatolica senliki</i> . <i>Journal of Proteome Research</i> , 2020, 19, 1731-1749.   | 3.7  | 15        |
| 35 | Eine konvergente Totalsynthese des Pilztoxins $\hat{\pm}$ Amanitin. <i>Angewandte Chemie</i> , 2020, 132, 5542-5546.  | 2.0  | 3         |
| 36 | Lichenicidin rational site-directed mutagenesis library: A tool to generate bioengineered lantibiotics. <i>Biotechnology and Bioengineering</i> , 2019, 116, 3053-3062.   | 3.3  | 9         |

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|----|--|------|-----------|
| 37 | Extensive Structure–Activity Relationship Study of Albicidin's C-Terminal Dipeptidic p-Aminobenzoic Acid Moiety. <i>Chemistry - A European Journal</i> , 2019, 25, 16538-16543.  | 3.3  | 17        |
| 38 | Probing Exchange Units for Combining Iterative and Linear Fungal Nonribosomal Peptide Synthetases. <i>Cell Chemical Biology</i> , 2019, 26, 1526-1534.e2.  | 5.2  | 10        |
| 39 | The biosynthetic implications of late-stage condensation domain selectivity during glycopeptide antibiotic biosynthesis. <i>Chemical Science</i> , 2019, 10, 118-133.  | 7.4  | 26        |
| 40 | Integrated Approaches Toward High-Affinity Artificial Protein Binders Obtained via Computationally Simulated Epitopes for Protein Recognition. <i>Advanced Functional Materials</i> , 2019, 29, 1807332.   | 14.9 | 36        |
| 41 | Noursamycins, Chlorinated Cyclohexapeptides Identified from Molecular Networking of <i>Streptomyces noursei</i> NTR-SR4. <i>Journal of Natural Products</i> , 2019, 82, 1478-1486.   | 3.0  | 25        |
| 42 | Unlocking the Spatial Control of Secondary Metabolism Uncovers Hidden Natural Product Diversity in <i>Nostoc punctiforme</i> . <i>ACS Chemical Biology</i> , 2019, 14, 1271-1279.  | 3.4  | 32        |
| 43 | Total Synthesis of the Death Cap Toxin Phalloidin: Atropoisomer Selectivity Explained by Molecular-Dynamics Simulations. <i>Chemistry - A European Journal</i> , 2019, 25, 8030-8034.  | 3.3  | 15        |
| 44 | Pregnane X receptor mediates steatotic effects of propiconazole and tebuconazole in human liver cell lines. <i>Archives of Toxicology</i> , 2019, 93, 1311-1322.   | 4.2  | 41        |
| 45 | Desymmetrization of Cyclodepsipeptides by Assembly Mode Switching of Iterative Nonribosomal Peptide Synthetases. <i>ACS Synthetic Biology</i> , 2019, 8, 661-667.  | 3.8  | 9         |
| 46 | Investigating the cytotoxic effects of the venom proteome of two species of the Viperidae family ( <i>Cerastes cerastes</i> and <i>Cryptelytrops purpureomaculatus</i> ) from various habitats. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019, 220, 20-30. | 2.6  | 15        |
| 47 | Intact protein mass spectrometry reveals intraspecies variations in venom composition of a local population of <i>Vipera kaznakovi</i> in Northeastern Turkey. <i>Journal of Proteomics</i> , 2019, 199, 31-50.  | 2.4  | 22        |
| 48 | How Many –Donor Groups in Enterobactin Does It Take to Bind a Metal Cation?. <i>Chemistry - A European Journal</i> , 2019, 25, 6955-6962.  | 3.3  | 7         |
| 49 | Solenodon genome reveals convergent evolution of venom in eulipotyphlan mammals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 25745-25755.  | 7.1  | 42        |
| 50 | Recognition of protein biomarkers using epitope-mediated molecularly imprinted films: Histidine or cysteine modified epitopes?. <i>Biosensors and Bioelectronics</i> , 2019, 123, 260-268.   | 10.1 | 49        |
| 51 | Unexpected Effects of Propiconazole, Tebuconazole, and Their Mixture on the Receptors CAR and PXR in Human Liver Cells. <i>Toxicological Sciences</i> , 2018, 163, 170-181.  | 3.1  | 33        |
| 52 | <i>Streptomyces</i> Ach 505 triggers production of a salicylic acid analogue in the fungal pathogen <i>Heterobasidion abietinum</i> that enhances infection of Norway spruce seedlings. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 691-704.   | 1.7  | 12        |
| 53 | <i>Aspergillus niger</i> is a superior expression host for the production of bioactive fungal cyclodepsipeptides. <i>Fungal Biology and Biotechnology</i> , 2018, 5, 4.  | 5.1  | 32        |
| 54 | The medical threat of mamba envenoming in sub-Saharan Africa revealed by genus-wide analysis of venom composition, toxicity and antivenomics profiling of available antivenoms. <i>Journal of Proteomics</i> , 2018, 172, 173-189.   | 2.4  | 80        |

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|----|--|------|-----------|
| 55 | Propiconazole is an activator of AHR and causes concentration additive effects with an established AHR ligand. Archives of Toxicology, 2018, 92, 3471-3486.                                  | 4.2  | 13        |
| 56 | Comprehensive Snake Venomics of the Okinawa Habu Pit Viper, Protobothrops flavoviridis, by Complementary Mass Spectrometry-Guided Approaches. Molecules, 2018, 23, 1893.                     | 3.8  | 18        |
| 57 | Comparative Venomics of the Vipera ammodytes transcaucasiana and Vipera ammodytes montandoni from Turkey Provides Insights into Kinship. Toxins, 2018, 10, 23.                               | 3.4  | 22        |
| 58 | Molecular insights into antibiotic resistance - how a binding protein traps albicidin. Nature Communications, 2018, 9, 3095.   | 12.8 | 32        |
| 59 | The anti-staphylococcal lipolanthines are ribosomally synthesized lipopeptides. Nature Chemical Biology, 2018, 14, 652-654.  | 8.0  | 95        |
| 60 | Making the mute speak again. Environmental Microbiology, 2017, 19, 423-425.  | 3.8  | 0         |
| 61 | Phylogenomic Analysis of the Microviridin Biosynthetic Pathway Coupled with Targeted Chemo-Enzymatic Synthesis Yields Potent Protease Inhibitors. ACS Chemical Biology, 2017, 12, 1538-1546. | 3.4  | 45        |
| 62 | Combined venom profiling and cytotoxicity screening of the Radde's mountain viper (Montivipera) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 A549 lung carcinoma cells. Toxicon, 2017, 135, 71-83.   | 1.6  | 30        |
| 63 | Nonribosomal Peptide Synthesis€”Principles and Prospects. Angewandte Chemie - International Edition, 2017, 56, 3770-3821.  | 13.8 | 633       |
| 64 | Nicht€”ribosomale Peptidsynthese €” Prinzipien und Perspektiven. Angewandte Chemie, 2017, 129, 3824-3878.  | 2.0  | 91        |
| 65 | Harnessing fungal nonribosomal cyclodepsipeptide synthetases for mechanistic insights and tailored engineering. Chemical Science, 2017, 8, 7834-7843.  | 7.4  | 36        |
| 66 | Prerequisites of Isopeptide Bond Formation in Microcystin Biosynthesis. ChemBioChem, 2017, 18, 2376-2379.  | 2.6  | 6         |
| 67 | Total Synthesis and Biological Assessment of Novel Albicidins Discovered by Mass Spectrometric Networking. Chemistry - A European Journal, 2017, 23, 15316-15321.                            | 3.3  | 29        |
| 68 | A Self€”sacrificing N-Methyltransferase Is the Precursor of the Fungal Natural Product Omphalotin. Angewandte Chemie - International Edition, 2017, 56, 9994-9997.                           | 13.8 | 79        |
| 69 | Eine sich selbst opfernde N-Methyltransferase ist die Vorstufe des pilzlichen SekundÄrmetaboliten Omphalotin. Angewandte Chemie, 2017, 129, 10127-10130.                                     | 2.0  | 5         |
| 70 | Bioactive Peptide Natural Products as Lead Structures for Medicinal Use. Accounts of Chemical Research, 2017, 50, 1566-1576.   | 15.6 | 111       |
| 71 | Halogenation of glycopeptide antibiotics occurs at the amino acid level during non-ribosomal peptide synthesis. Chemical Science, 2017, 8, 5992-6004.  | 7.4  | 48        |
| 72 | The Natural Fungal Metabolite Beauvericin Exerts Anticancer Activity In Vivo: A Pre-Clinical Pilot Study. Toxins, 2017, 9, 258.  | 3.4  | 22        |

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|----|--|------|-----------|
| 73 | Synthesis and Antimicrobial Activity of Albicidin Derivatives with Variations of the Central Cyanoalanine Building Block. <i>ChemMedChem</i> , 2016, 11, 1499-1502.  | 3.2  | 23        |
| 74 | Leader Peptide-Free In Vitro Reconstitution of Microviridin Biosynthesis Enables Design of Synthetic Protease-Targeted Libraries. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9398-9401.                                      | 13.8 | 55        |
| 75 | Reprogramming the Biosynthesis of Cyclodepsipeptide Synthetases to Obtain New Enniatins and Beauvericins. <i>ChemBioChem</i> , 2016, 17, 283-287.  | 2.6  | 34        |
| 76 | Leader Peptide-Free In Vitro Reconstitution of Microviridin Biosynthesis Enables Design of Synthetic Protease-Targeted Libraries. <i>Angewandte Chemie</i> , 2016, 128, 9544-9547.   | 2.0  | 7         |
| 77 | Towards Biocontained Cell Factories: An Evolutionarily Adapted <i>Escherichia coli</i> Strain Produces a New-to-nature Bioactive Lantibiotic Containing Thienopyrrole-Alanine. <i>Scientific Reports</i> , 2016, 6, 33447.                     | 3.3  | 31        |
| 78 | Laxitextines A and B, Cyathane Xylosides from the Tropical Fungus <i>Laxitextum incrustatum</i> . <i>Journal of Natural Products</i> , 2016, 79, 894-898.  | 3.0  | 35        |
| 79 | Deuterium-Labeled Precursor Feeding Reveals a New pABA-Containing Meroterpenoid from the Mango Pathogen <i>Xanthomonas citri</i> pv. <i>mangiferaeindicae</i> . <i>Journal of Natural Products</i> , 2016, 79, 1532-1537.                      | 3.0  | 12        |
| 80 | Biochemical Dissection of the Natural Diversification of Microcystin Provides Lessons for Synthetic Biology of NRPS. <i>Cell Chemical Biology</i> , 2016, 23, 462-471.   | 5.2  | 99        |
| 81 | Understanding the crucial interactions between Cytochrome P450s and non-ribosomal peptide synthetases during glycopeptide antibiotic biosynthesis. <i>Current Opinion in Structural Biology</i> , 2016, 41, 46-53.                             | 5.7  | 47        |
| 82 | Synthesis of Albicidin Derivatives: Assessing the Role of N-terminal Acylation on the Antibacterial Activity. <i>ChemMedChem</i> , 2016, 11, 1899-1903.  | 3.2  | 22        |
| 83 | Top-down venomomics of the East African green mamba, <i>Dendroaspis angusticeps</i> , and the black mamba, <i>Dendroaspis polylepis</i> , highlight the complexity of their toxin arsenals. <i>Journal of Proteomics</i> , 2016, 146, 148-164. | 2.4  | 60        |
| 84 | The O-Carbamoyl-Transferase Alb15 Is Responsible for the Modification of Albicidin. <i>ACS Chemical Biology</i> , 2016, 11, 1198-1204.   | 3.4  | 20        |
| 85 | Rational biosynthetic approaches for the production of new-to-nature compounds in fungi. <i>Fungal Genetics and Biology</i> , 2016, 89, 89-101.  | 2.1  | 19        |
| 86 | Mouse tissue distribution and persistence of the food-born fusariotoxins Enniatin B and Beauvericin. <i>Toxicology Letters</i> , 2016, 247, 35-44.   | 0.8  | 51        |
| 87 | Upcyte Human Hepatocytes: a Potent In Vitro Tool for the Prediction of Hepatic Clearance of Metabolically Stable Compounds. <i>Drug Metabolism and Disposition</i> , 2016, 44, 435-444.  | 3.3  | 26        |
| 88 | The Supersized Class III Lanthipeptide Stackepeptin Displays Motif Multiplication in the Core Peptide. <i>ACS Chemical Biology</i> , 2016, 11, 69-76.  | 3.4  | 28        |
| 89 | Biological Role of Paenilarvins, Iturin-Like Lipopeptide Secondary Metabolites Produced by the Honey Bee Pathogen <i>Paenibacillus larvae</i> . <i>PLoS ONE</i> , 2016, 11, e0164656.  | 2.5  | 16        |
| 90 | Biosynthesis of the Peptide Antibiotic Feglymycin by a Linear Nonribosomal Peptide Synthetase Mechanism. <i>ChemBioChem</i> , 2015, 16, 2610-2614.   | 2.6  | 21        |

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| 91  | Streptocollin, a Typeâ€...IV Lanthipeptide Produced by <i>Streptomyces collinus</i> 365. <i>ChemBioChem</i> , 2015, 16, 2615-2623.   | 2.6  | 43        |
| 92  | Multiple Attack on Bacteria by the New Antibiotic Teixobactin. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6684-6686.   | 13.8 | 43        |
| 93  | What makes <i>Xanthomonas albilineans</i> unique amongst xanthomonads?. <i>Frontiers in Plant Science</i> , 2015, 6, 289.  | 3.6  | 32        |
| 94  | Scale-up bioprocess development for production of the antibiotic valinomycin in <i>Escherichia coli</i> based on consistent fed-batch cultivations. <i>Microbial Cell Factories</i> , 2015, 14, 83.    | 4.0  | 33        |
| 95  | The naturally born fusariotoxin enniatin B and sorafenib exert synergistic activity against cervical cancer in vitro and in vivo. <i>Biochemical Pharmacology</i> , 2015, 93, 318-331.                 | 4.4  | 28        |
| 96  | The gyrase inhibitor albicidin consists of p-aminobenzoic acids and cyanoalanine. <i>Nature Chemical Biology</i> , 2015, 11, 195-197.  | 8.0  | 126       |
| 97  | Culturable bioactive actinomycetes from the Great Indian Thar Desert. <i>Annals of Microbiology</i> , 2015, 65, 1901-1914.   | 2.6  | 26        |
| 98  | The Albicidin Resistance Factor AlbD Is a Serine Endopeptidase That Hydrolyzes Unusual Oligoaromatic-Type Peptides. <i>Journal of the American Chemical Society</i> , 2015, 137, 7608-7611.            | 13.7 | 26        |
| 99  | Lipocarbazole, an efficient lipid peroxidation inhibitor anchored in the membrane. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 4866-4870.  | 3.0  | 13        |
| 100 | Involvement of secondary metabolites in the pathogenesis of the American foulbrood of honey bees caused by <i>Paenibacillus</i> larvae. <i>Natural Product Reports</i> , 2015, 32, 765-778.            | 10.3 | 36        |
| 101 | Engineering the heterologous expression of lanthipeptides in <i>Escherichia coli</i> by multigene assembly. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 6351-6361.                       | 3.6  | 30        |
| 102 | Structural aspects of phenylglycines, their biosynthesis and occurrence in peptide natural products. <i>Natural Product Reports</i> , 2015, 32, 1207-1235.   | 10.3 | 90        |
| 103 | Venom Proteomics of Indonesian King Cobra, <i>Ophiophagus hannah</i> : Integrating Top-Down and Bottom-Up Approaches. <i>Journal of Proteome Research</i> , 2015, 14, 2539-2556.                       | 3.7  | 90        |
| 104 | Sources for Leads: Natural Products and Libraries. <i>Handbook of Experimental Pharmacology</i> , 2015, 232, 91-123.   | 1.8  | 7         |
| 105 | Minimum Information about a Biosynthetic Gene cluster. <i>Nature Chemical Biology</i> , 2015, 11, 625-631.   | 8.0  | 715       |
| 106 | Mass spectrometry guided venom profiling and bioactivity screening of the Anatolian Meadow Viper, <i>Vipera anatolica</i> . <i>Toxicon</i> , 2015, 107, 163-174.                                       | 1.6  | 41        |
| 107 | Total Synthesis of Albicidin: A Lead Structure from <i>Xanthomonas albilineans</i> for Potent Antibacterial Gyrase Inhibitors. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1969-1973. | 13.8 | 55        |
| 108 | <i>Bacillus subtilis</i> as heterologous host for the secretory production of the non-ribosomal cyclodepsipeptide enniatin. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 681-691.         | 3.6  | 55        |

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|-----|--|------|-----------|
| 109 | Site-Directed and Global Incorporation of Orthogonal and Isostructural Noncanonical Amino Acids into the Ribosomal Lasso Peptide Capistrin. <i>ChemBioChem</i> , 2015, 16, 503-509.  | 2.6  | 42        |
| 110 | Impact of Domestication in the Production of the Class II Lanthipeptide Lichenicidin by <i>Bacillus licheniformis</i> I89. <i>Current Microbiology</i> , 2015, 70, 364-368.  | 2.2  | 5         |
| 111 | Type II thioesterase improves heterologous biosynthesis of valinomycin in <i>Escherichia coli</i> . <i>Journal of Biotechnology</i> , 2015, 193, 16-22.  | 3.8  | 20        |
| 112 | Production of the Catechol Type Siderophore Bacillibactin by the Honey Bee Pathogen <i>Paenibacillus larvae</i> . <i>PLoS ONE</i> , 2014, 9, e108272.  | 2.5  | 49        |
| 113 | Isolation and structure elucidation of the nucleoside antibiotic strepturidin from <i>Streptomyces albus</i> DSM 40763. <i>Journal of Antibiotics</i> , 2014, 67, 471-477.   | 2.0  | 21        |
| 114 | Dissecting Reactions of Nonlinear Precursor Peptide Processing of the Class III Lanthipeptide Curvopeptin. <i>Journal of the American Chemical Society</i> , 2014, 136, 15222-15228.   | 13.7 | 33        |
| 115 | Biological effects of paenilamicin, a secondary metabolite antibiotic produced by the honey bee pathogenic bacterium <i>Paenibacillus larvae</i> . <i>MicrobiologyOpen</i> , 2014, 3, 642-656.   | 3.0  | 48        |
| 116 | Enhanced production of the nonribosomal peptide antibiotic valinomycin in <i>Escherichia coli</i> through small-scale high cell density fed-batch cultivation. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 591-601.                                | 3.6  | 38        |
| 117 | Stereochemistry and Conformation of Skyclammin, a Non-Ribosomally Synthesized Peptide from <i>Streptomyces</i> sp. Acta 2897. <i>Chemistry - A European Journal</i> , 2014, 20, 4948-4955.   | 3.3  | 25        |
| 118 | Titelbild: Paenilamicin - Struktur und Biosynthese eines hybriden Polyketid-/nichtribosomalen Peptidantibiotikums des bienenpathogenen Bakteriums <i>Paenibacillus larvae</i> ( <i>Angew. Chem.</i> 40/2014). <i>Angewandte Chemie</i> , 2014, 126, 10719-10719. | 2.0  | 0         |
| 119 | Recent advances in the field of bioactive tetronates. <i>Natural Product Reports</i> , 2014, 31, 1554-1584.  | 10.3 | 123       |
| 120 | The Structure of a Transient Complex of a Nonribosomal Peptide Synthetase and a Cytochrome P450 Monooxygenase. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8518-8522.   | 13.8 | 75        |
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