

Andreas Kulik

List of Publications by Year in descending order

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72
papers

2,199
citations

218381

26
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243296

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75
all docs

75
docs citations

75
times ranked

2941
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovery of a Cryptic Nitro Intermediate in the Biosynthesis of the 3-(<i>trans</i> -2-aminocyclopropyl)alanine Moiety of Belactosin A. <i>Organic Letters</i> , 2022, 24, 736-740.	2.4	11
2	New insights into the resistance mechanism for the BceAB-type transporter SaNsrFP. <i>Scientific Reports</i> , 2022, 12, 4232.	1.6	2
3	A Second Gamma-Glutamylpolyamine Synthetase, GlnA2, Is Involved in Polyamine Catabolism in <i>Streptomyces coelicolor</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 3752.	1.8	7
4	Mining Indonesian Microbial Biodiversity for Novel Natural Compounds by a Combined Genome Mining and Molecular Networking Approach. <i>Marine Drugs</i> , 2021, 19, 316.	2.2	14
5	Engineering of <i>Streptoalloteichus tenebrarius</i> 2444 for Sustainable Production of Tobramycin. <i>Molecules</i> , 2021, 26, 4343.	1.7	2
6	A Regulator Based "Semi-Targeted" Approach to Activate Silent Biosynthetic Gene Clusters. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7567.	1.8	10
7	Bioreporters for direct mode of action-informed screening of antibiotic producer strains. <i>Cell Chemical Biology</i> , 2021, 28, 1242-1252.e4.	2.5	11
8	Stereodivergent Nitrocyclopropane Formation during Biosynthesis of Belactosins and Hormaomycins. <i>Journal of the American Chemical Society</i> , 2021, 143, 18413-18418.	6.6	30
9	Development of an agar-plug cultivation system for bioactivity assays of actinomycete strain collections. <i>PLoS ONE</i> , 2021, 16, e0258934.	1.1	8
10	Investigation of the Autoregulator-Receptor System in the Pristinamycin Producer <i>Streptomyces pristinaespiralis</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 580990.	1.5	3
11	Genetic engineering approaches for the fermentative production of phenylglycines. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 3433-3444.	1.7	9
12	Disclosing the Potential of the SARP-Type Regulator PapR2 for the Activation of Antibiotic Gene Clusters in Streptomycetes. <i>Frontiers in Microbiology</i> , 2020, 11, 225.	1.5	38
13	Identification of Novel β -Pyrone from <i>Conexibacter woesei</i> Serving as Sulfate Shuttles. <i>ACS Chemical Biology</i> , 2019, 14, 1972-1980.	1.6	4
14	Initial Metabolic Step of a Novel Ethanolamine Utilization Pathway and Its Regulation in <i>Streptomyces coelicolor</i> M145. <i>MBio</i> , 2019, 10, .	1.8	13
15	Kistamicin biosynthesis reveals the biosynthetic requirements for production of highly crosslinked glycopeptide antibiotics. <i>Nature Communications</i> , 2019, 10, 2613.	5.8	48
16	Biosynthetic reconstitution of deoxysugar phosphoramidate metalloprotease inhibitors using an N ⁶ -P-bond-forming kinase. <i>Chemical Science</i> , 2019, 10, 4486-4490.	3.7	7
17	Antitumor astins originate from the fungal endophyte <i>Cyanoderma asteris</i> living within the medicinal plant <i>Aster tataricus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26909-26917.	3.3	39
18	Characterization of the Actinonin Biosynthetic Gene Cluster. <i>ChemBioChem</i> , 2018, 19, 1189-1195.	1.3	8

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19	Engineering metabolic pathways in <i>Amycolatopsis japonicum</i> for the optimization of the precursor supply for heterologous brasilicardin congeners production. <i>Synthetic and Systems Biotechnology</i> , 2018, 3, 56-63.	1.8	18
20	<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.	0.7	12
21	The Immunosuppressant Brasilicardin: Determination of the Biosynthetic Gene Cluster in the Heterologous Host <i>Amycolatopsis japonicum</i> . <i>Biotechnology Journal</i> , 2018, 13, 1700527.	1.8	19
22	Complete Genome Sequence of <i>Streptomyces</i> sp. Strain SHP22-7, a New Species Isolated from Mangrove of Enggano Island, Indonesia. <i>Microbiology Resource Announcements</i> , 2018, 7, .	0.3	7
23	Xanthocidin Derivatives from the Endophytic <i>Streptomyces</i> sp. AcE210 Provide Insight into Xanthocidin Biosynthesis. <i>ChemBioChem</i> , 2018, 19, 2472-2480.	1.3	3
24	Novel Production of Two New Nonpolyenic Antifungal Macrolide Derivatives by <i>Streptomyces</i> Z26 Isolated from Moroccan Rhizospheric Soil. <i>OnLine Journal of Biological Sciences</i> , 2018, 18, 176-185.	0.2	8
25	Characterization of the phenylglycine aminotransferase PglE from <i>Streptomyces pristinaespiralis</i> . <i>Journal of Biotechnology</i> , 2018, 278, 34-38.	1.9	7
26	Polyketide Bioderivatization Using the Promiscuous Acyltransferase KirCII. <i>ACS Synthetic Biology</i> , 2017, 6, 421-427.	1.9	42
27	AGOS: A Plug-and-Play Method for the Assembly of Artificial Gene Operons into Functional Biosynthetic Gene Clusters. <i>ACS Synthetic Biology</i> , 2017, 6, 817-825.	1.9	21
28	Biosynthesis of the β -Lactone Proteasome Inhibitors Belactosin and Cystargolide. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6665-6668.	7.2	35
29	Die Biosynthese der β -Lactonhaltigen Proteasominhibitoren Belactosin und Cystargolid. <i>Angewandte Chemie</i> , 2017, 129, 6765-6769.	1.6	4
30	Linking secondary metabolites to biosynthesis genes in the fungal endophyte <i>Cyanoderma asteris</i> : The anti-cancer bisanthraquinone skyrin. <i>Journal of Biotechnology</i> , 2017, 257, 233-239.	1.9	33
31	Pharmacological Potential of Phylogenetically Diverse Actinobacteria Isolated from Deep-Sea Coral Ecosystems of the Submarine Avil�s Canyon in the Cantabrian Sea. <i>Microbial Ecology</i> , 2017, 73, 338-352.	1.4	33
32	Warhead biosynthesis and the origin of structural diversity in hydroxamate metalloproteinase inhibitors. <i>Nature Communications</i> , 2017, 8, 1965.	5.8	32
33	Gamma-Glutamylpolyamine Synthetase GlnA3 Is Involved in the First Step of Polyamine Degradation Pathway in <i>Streptomyces coelicolor</i> M145. <i>Frontiers in Microbiology</i> , 2017, 8, 726.	1.5	28
34	High Frequency and Diversity of Antimicrobial Activities Produced by Nasal <i>Staphylococcus</i> Strains against Bacterial Competitors. <i>PLoS Pathogens</i> , 2016, 12, e1005812.	2.1	124
35	The cyclochlorotine mycotoxin is produced by the nonribosomal peptide synthetase CctN in <i>Talaromyces islandicus</i> ($\hat{=}$ <i>Penicillium islandicum</i> TM). <i>Environmental Microbiology</i> , 2016, 18, 3728-3741.	1.8	15
36	Epoxomicin and Eponemycin Biosynthesis Involves <i>gem</i> -Dimethylation and an Acyl-CoA Dehydrogenase-Like Enzyme. <i>ChemBioChem</i> , 2016, 17, 792-798.	1.3	18

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37	Distinct mechanisms contribute to immunity in the lantibiotic <i>Micromonospora</i> 107 producer strain <i>Micromonospora</i> ATCC PTA 5024. <i>Environmental Microbiology</i> , 2016, 18, 118-132.	1.8	24
38	The VanRS Homologous Two-Component System VnRSAb of the Glycopeptide Producer <i>Amycolatopsis balhimycina</i> Activates Transcription of the vanHAXS Genes in <i>Streptomyces coelicolor</i> , but not in <i>A. balhimycina</i> . <i>Microbial Drug Resistance</i> , 2016, 22, 499-509.	0.9	19
39	DNA affinity capturing identifies new regulators of the heterologously expressed novobiocin gene cluster in <i>Streptomyces coelicolor</i> M512. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 4495-4509.	1.7	11
40	Rare actinomycetes <i>Nocardia caishijiensis</i> and <i>Pseudonocardia carboxydivorans</i> as endophytes, their bioactivity and metabolites evaluation. <i>Microbiological Research</i> , 2016, 185, 22-35.	2.5	35
41	Identification and activation of novel biosynthetic gene clusters by genome mining in the kirromycin producer <i>Streptomyces collinus</i> TÅ¼ 365. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016, 43, 277-291.	1.4	37
42	Isolation and characterization of bioactive fungi from shark <i>Carcharodon carcharias</i> ™ gill with biopharmaceutical prospects. <i>Chinese Journal of Oceanology and Limnology</i> , 2016, 34, 186-199.	0.7	2
43	Streptocollin, a Type IV Lanthipeptide Produced by <i>Streptomyces collinus</i> TÅ¼ 365. <i>ChemBioChem</i> , 2015, 16, 2615-2623.	1.3	43
44	Diversity of ABBA Prenyltransferases in Marine <i>Streptomyces</i> sp. CNQ-509: Promiscuous Enzymes for the Biosynthesis of Mixed Terpenoid Compounds. <i>PLoS ONE</i> , 2015, 10, e0143237.	1.1	27
45	Endotoxicity of Lipopolysaccharide as a Determinant of T-Cell Mediated Colitis Induction in Mice. <i>Gastroenterology</i> , 2014, 146, 765-775.	0.6	86
46	New Aminocoumarins from the Rare Actinomycete <i>Catenulispora acidiphila</i> DSM 44928: Identification, Structure Elucidation, and Heterologous Production. <i>ChemBioChem</i> , 2014, 15, 612-621.	1.3	33
47	Overproduction of Ristomycin A by Activation of a Silent Gene Cluster in <i>Amycolatopsis japonicum</i> MG417-CF17. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 6185-6196.	1.4	71
48	Five gene products are required for assembly of the central pyrrole moiety of coumermycin A1. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2013, 40, 915-925.	1.4	1
49	The AT ₂ Domain of KirCI Loads Malonyl Extender Units to the ACPs of the Kirromycin PKS. <i>ChemBioChem</i> , 2013, 14, 1343-1352.	1.3	26
50	A two-step sulfation in antibiotic biosynthesis requires a type III polyketide synthase. <i>Nature Chemical Biology</i> , 2013, 9, 610-615.	3.9	36
51	Identification of Mureidomycin Analogues and Functional Analysis of an N-Acetyltransferase in Napsamycin Biosynthesis. <i>ChemBioChem</i> , 2013, 14, 2248-2255.	1.3	8
52	Elaiomycins K and L, new azoxy antibiotics from <i>Streptomyces</i> sp. TÅ¼ 6399*. <i>Journal of Antibiotics</i> , 2013, 66, 85-88.	1.0	14
53	Phage P1-Derived Artificial Chromosomes Facilitate Heterologous Expression of the FK506 Gene Cluster. <i>PLoS ONE</i> , 2013, 8, e69319.	1.1	80
54	Mutational analysis of a phenazine biosynthetic gene cluster in <i>Streptomyces anulatus</i> 9663. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 501-513.	1.3	29

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55	Langkolide, a 32-Membered Macrolactone Antibiotic Produced by <i>Streptomyces</i> sp. Acta 3062. Journal of Natural Products, 2012, 75, 1018-1024.	1.5	23
56	Production of fungal and bacterial growth modulating secondary metabolites is widespread among mycorrhiza-associated streptomycetes. BMC Microbiology, 2012, 12, 164.	1.3	78
57	Activation of a silent phenazine biosynthetic gene cluster reveals a novel natural product and a new resistance mechanism against phenazines. MedChemComm, 2012, 3, 1009.	3.5	21
58	<i>Arabidopsis</i> lysin-motif proteins LYM1 LYM3 CERK1 mediate bacterial peptidoglycan sensing and immunity to bacterial infection. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19824-19829.	3.3	442
59	Atacamycins A-C, 22-membered antitumor macrolactones produced by <i>Streptomyces</i> sp. C38. Journal of Antibiotics, 2011, 64, 775-780.	1.0	68
60	Elaiomycins B and C, novel alkylhydrazides produced by <i>Streptomyces</i> sp. BK 190. Journal of Antibiotics, 2011, 64, 595-597.	1.0	25
61	The phosphopantetheinyl transferase KirP activates the ACP and PCP domains of the kirromycin NRPS/PKS of <i>Streptomyces collinus</i> . FEMS Microbiology Letters, 2011, 319, 26-33.	0.7	20
62	Phenelfamycins G and H, new elfamycin-type antibiotics produced by <i>Streptomyces albospinus</i> Acta 3619. Journal of Antibiotics, 2011, 64, 257-266.	1.0	15
63	The biosynthetic genes for prenylated phenazines are located at two different chromosomal loci of <i>Streptomyces cinnamonensis</i> DSM 1042. Microbial Biotechnology, 2011, 4, 252-262.	2.0	25
64	An Artificial Pathway to 3,4-Dihydroxybenzoic Acid Allows Generation of New Aminocoumarin Antibiotic Recognized by Catechol Transporters of <i>E. coli</i> . Chemistry and Biology, 2011, 18, 304-313.	6.2	25
65	Supramolecular Templating in Kirromycin Biosynthesis: The Acyltransferase KirCII Loads Ethylmalonyl-CoA Extender onto a Specific ACP of the trans-AT PKS. Chemistry and Biology, 2011, 18, 438-444.	6.2	50
66	Self-Resistance and Cell Wall Composition in the Glycopeptide Producer <i>Amycolatopsis balhimycina</i> . Antimicrobial Agents and Chemotherapy, 2011, 55, 4283-4289.	1.4	40
67	Grecoacyclines: New Angucyclines from <i>Streptomyces</i> sp. Acta 1362. European Journal of Organic Chemistry, 2010, 2010, 2344-2350.	1.2	17
68	Spirodionic Acid, a Novel Metabolite from <i>Streptomyces</i> sp., Part 1: Structure Elucidation and Diels-Alder-Type Biosynthesis. Chemistry - A European Journal, 2007, 13, 7416-7423.	1.7	9
69	Some aspects of the purification of anthraquinone antibiotics by preparative reversed-phase liquid chromatography. Journal of Chromatography A, 1998, 812, 117-121.	1.8	4
70	Tigloside: a New Tigloylated Tetrasaccharide from <i>Amycolatopsis</i> sp.. Acta Chemica Scandinavica, 1998, 52, 1239-1242.	0.7	9
71	Biosynthetic capacities of actinomycetes. 2. Juglomycin Z, a new naphthoquinone antibiotic from <i>Streptomyces tendae</i> . Journal of Antibiotics, 1994, 47, 1116-1122.	1.0	23
72	Bioprospecting of Asteraceae Medicinal Plants of Pakistan for their Associated Bioactive Endophytic Actinomycetes for New Drug Targets. , 0, , .		0