Andreas Kulik

List of Publications by Year
in descending order

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		218381	243296
72	2,199	26	44
papers	citations	h-index	g-index

75	75	75	2941
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Arabidopsis 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
2	High Frequency and Diversity of Antimicrobial Activities Produced by Nasal Staphylococcus Strains against Bacterial Competitors. PLoS Pathogens, 2016, 12, e1005812.	2.1	124
3	Endotoxicity of Lipopolysaccharide as a Determinant of T-Cellâ˜Mediated Colitis Induction in Mice. Gastroenterology, 2014, 146, 765-775.	0.6	86
4	Phage P1-Derived Artificial Chromosomes Facilitate Heterologous Expression of the FK506 Gene Cluster. PLoS ONE, 2013, 8, e69319.	1.1	80
5	Production of fungal and bacterial growth modulating secondary metabolites is widespread among mycorrhiza-associated streptomycetes. BMC Microbiology, 2012, 12, 164.	1.3	78
6	Overproduction of Ristomycin A by Activation of a Silent Gene Cluster in Amycolatopsis japonicum MG417-CF17. Antimicrobial Agents and Chemotherapy, 2014, 58, 6185-6196.	1.4	71
7	Atacamycins Aâ€“C, 22-membered antitumor macrolactones produced by Streptomyces sp. C38. Journal of Antibiotics, 2011, 64, 775-780.	1.0	68
8	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
9	Kistamicin biosynthesis reveals the biosynthetic requirements for production of highly crosslinked glycopeptide antibiotics. Nature Communications, 2019, 10, 2613.	5.8	48
10	Streptocollin, a Typeâ€…IV Lanthipeptide Produced by Streptomyces collinus TÃ¼ 365. ChemBioChem, 2015, 16, 2615-2623.	1.3	43
11	Polyketide Bioderivatization Using the Promiscuous Acyltransferase KirCII. ACS Synthetic Biology, 2017, 6, 421-427.	1.9	42
12	Self-Resistance and Cell Wall Composition in the Glycopeptide Producer Amycolatopsis balhimycina. Antimicrobial Agents and Chemotherapy, 2011, 55, 4283-4289.	1.4	40
13	Antitumor astins originate from the fungal endophyte Cyanodermella asteris living within the medicinal plant Aster tataricus. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26909-26917.	3.3	39
14	Disclosing the Potential of the SARP-Type Regulator PapR2 for the Activation of Antibiotic Gene Clusters in Streptomycetes. Frontiers in Microbiology, 2020, 11, 225.	1.5	38
15	Identification and activation of novel biosynthetic gene clusters by genome mining in the kirromycin producer Streptomyces collinus TÃ¼ 365. Journal of Industrial Microbiology and Biotechnology, 2016, 43, 277-291.	1.4	37
16	A two-step sulfation in antibiotic biosynthesis requires a type III polyketide synthase. Nature Chemical Biology, 2013, 9, 610-615.	3.9	36
17	Rare actinomycetes Nocardia caishijiensis and Pseudonocardia carboxydivorans as endophytes, their bioactivity and metabolites evaluation. Microbiological Research, 2016, 185, 22-35.	2.5	35
18	Biosynthesis of the Î²â€Lactone Proteasome Inhibitors Belactosin and Cystargolide. Angewandte Chemie - International Edition, 2017, 56, 6665-6668.	7.2	35

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19	New Aminocoumarins from the Rare Actinomycete Catenulispora acidiphila DSM 44928: Identification, Structure Elucidation, and Heterologous Production. ChemBioChem, 2014, 15, 612-621.	1.3	33
20	Linking secondary metabolites to biosynthesis genes in the fungal endophyte Cyanodermella asteris: The anti-cancer bisanthraquinone skyrin. Journal of Biotechnology, 2017, 257, 233-239.	1.9	33
21	Pharmacological Potential of Phylogenetically Diverse Actinobacteria Isolated from Deep-Sea Coral Ecosystems of the Submarine AvilÃ©s Canyon in the Cantabrian Sea. Microbial Ecology, 2017, 73, 338-352.	1.4	33
22	Warhead biosynthesis and the origin of structural diversity in hydroxamate metalloproteinase inhibitors. Nature Communications, 2017, 8, 1965.	5.8	32
23	Stereodivergent Nitrocyclopropane Formation during Biosynthesis of Belactosins and Hormaomycins. Journal of the American Chemical Society, 2021, 143, 18413-18418.	6.6	30
24	Mutational analysis of a phenazine biosynthetic gene cluster in Streptomyces anulatus 9663. Beilstein Journal of Organic Chemistry, 2012, 8, 501-513.	1.3	29
25	Gamma-Glutamylpolyamine Synthetase GlnA3 Is Involved in the First Step of Polyamine Degradation Pathway in Streptomyces coelicolor M145. Frontiers in Microbiology, 2017, 8, 726.	1.5	28
26	Diversity of ABBA Prenyltransferases in Marine Streptomyces sp. CNQ-509: Promiscuous Enzymes for the Biosynthesis of Mixed Terpenoid Compounds. PLoS ONE, 2015, 10, e0143237.	1.1	27
27	The AT₂ Domain of KirCI Loads Malonyl Extender Units to the ACPs of the Kirromycin PKS. ChemBioChem, 2013, 14, 1343-1352.	1.3	26
28	Elaiomycins B and C, novel alkylhydrazides produced by Streptomyces sp. BK 190. Journal of Antibiotics, 2011, 64, 595-597.	1.0	25
29	The biosynthetic genes for prenylated phenazines are located at two different chromosomal loci of Streptomyces cinnamonensis DSM 1042. Microbial Biotechnology, 2011, 4, 252-262.	2.0	25
30	An Artificial Pathway to 3,4-Dihydroxybenzoic Acid Allows Generation of New Aminocoumarin Antibiotic Recognized by Catechol Transporters of E.Âcoli. Chemistry and Biology, 2011, 18, 304-313.	6.2	25
31	Distinct mechanisms contribute to immunity in the lantibiotic <scp>NAI</scp>â€107 producer strain <scp>M</scp>icrobisporaâ€…<scp>ATCC PTA</scp>â€5024. Environmental Microbiology, 2016, 18, 118-132.	1.8	24
32	Biosynthetic capacities of actinomycetes. 2. Juglomycin Z, a new naphthoquinone antibiotic from Streptomyces tendae.. Journal of Antibiotics, 1994, 47, 1116-1122.	1.0	23
33	Langkolide, a 32-Membered Macrolactone Antibiotic Produced by Streptomyces sp. Acta 3062. Journal of Natural Products, 2012, 75, 1018-1024.	1.5	23
34	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
35	AGOS: A Plug-and-Play Method for the Assembly of Artificial Gene Operons into Functional Biosynthetic Gene Clusters. ACS Synthetic Biology, 2017, 6, 817-825.	1.9	21
36	The phosphopantetheinyl transferase KirP activates the ACP and PCP domains of the kirromycin NRPS/PKS of Streptomyces collinus TÃ¼ 365. FEMS Microbiology Letters, 2011, 319, 26-33.	0.7	20

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37	The VanRS Homologous Two-Component System VnlRSAbof the Glycopeptide ProducerAmycolatopsis balhimycinaActivates Transcription of thevanHAXScGenes inStreptomyces coelicolor, but not inA. balhimycina. Microbial Drug Resistance, 2016, 22, 499-509.	0.9	19
38	The Immunosuppressant Brasilicardin: Determination of the Biosynthetic Gene Cluster in the Heterologous Host Amycolatopsis japonicum. Biotechnology Journal, 2018, 13, 1700527.	1.8	19
39	Epoxomicin and Eponemycin Biosynthesis Involves gemâ€Dimethylation and an Acylâ€CoA Dehydrogenaseâ€Like Enzyme. ChemBioChem, 2016, 17, 792-798.	1.3	18
40	Engineering metabolic pathways in Amycolatopsis japonicum for the optimization of the precursor supply for heterologous brasilicardin congeners production. Synthetic and Systems Biotechnology, 2018, 3, 56-63.	1.8	18
41	Grecocyclines: New Angucyclines from Streptomyces sp. Acta 1362. European Journal of Organic Chemistry, 2010, 2010, 2344-2350.	1.2	17
42	Phenelfamycins G and H, new elfamycin-type antibiotics produced by Streptomyces albospinus Acta 3619. Journal of Antibiotics, 2011, 64, 257-266.	1.0	15
43	The cyclochlorotine mycotoxin is produced by the nonribosomal peptide synthetase CctN in Talaromyces islandicus (â€˜Penicillium islandicumâ€™). Environmental Microbiology, 2016, 18, 3728-3741.	1.8	15
44	Elaiomycins K and L, new azoxy antibiotics from Streptomyces sp. TÃ¼ 6399*. Journal of Antibiotics, 2013, 66, 85-88.	1.0	14
45	Mining Indonesian Microbial Biodiversity for Novel Natural Compounds by a Combined Genome Mining and Molecular Networking Approach. Marine Drugs, 2021, 19, 316.	2.2	14
46	Initial Metabolic Step of a Novel Ethanolamine Utilization Pathway and Its Regulation in Streptomyces coelicolor M145. MBio, 2019, 10, .	1.8	13
47	Streptomyces AcH 505 triggers production of a salicylic acid analogue in the fungal pathogen Heterobasidion abietinum that enhances infection of Norway spruce seedlings. Antonie Van Leeuwenhoek, 2018, 111, 691-704.	0.7	12
48	DNA affinity capturing identifies new regulators of the heterologously expressed novobiocin gene cluster in Streptomyces coelicolor M512. Applied Microbiology and Biotechnology, 2016, 100, 4495-4509.	1.7	11
49	Bioreporters for direct mode of action-informed screening of antibiotic producer strains. Cell Chemical Biology, 2021, 28, 1242-1252.e4.	2.5	11
50	Discovery of a Cryptic Nitro Intermediate in the Biosynthesis of the 3-(trans-2â€²-Aminocyclopropyl)alanine Moiety of Belactosin A. Organic Letters, 2022, 24, 736-740.	2.4	11
51	A Regulator Based â€œSemi-Targetedâ€•Approach to Activate Silent Biosynthetic Gene Clusters. International Journal of Molecular Sciences, 2021, 22, 7567.	1.8	10
52	Spirodionic Acid, a Novel Metabolite fromStreptomyces sp., Part 1: Structure Elucidation and Dielsâ€“Alder-Type Biosynthesis. Chemistry - A European Journal, 2007, 13, 7416-7423.	1.7	9
53	Genetic engineering approaches for the fermentative production of phenylglycines. Applied Microbiology and Biotechnology, 2020, 104, 3433-3444.	1.7	9
54	Tigloside: a New Tigloylated Tetrasaccharide from Amycolatopsis sp.. Acta Chemica Scandinavica, 1998, 52, 1239-1242.	0.7	9

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55	Identification of Mureidomycin Analogues and Functional Analysis of an Nâ€Acetyltransferase in Napsamycin Biosynthesis. ChemBioChem, 2013, 14, 2248-2255.	1.3	8
56	Characterization of the Actinonin Biosynthetic Gene Cluster. ChemBioChem, 2018, 19, 1189-1195.	1.3	8
57	Novel Production of Two New Nonpolyenic Antifungal Macrolide Derivatives by Streptomyces Z26 Isolated from Moroccan Rhizospheric Soil. OnLine Journal of Biological Sciences, 2018, 18, 176-185.	0.2	8
58	Development of an agar-plug cultivation system for bioactivity assays of actinomycete strain collections. PLoS ONE, 2021, 16, e0258934.	1.1	8
59	Complete Genome Sequence of Streptomyces sp. Strain SHP22-7, a New Species Isolated from Mangrove of Enggano Island, Indonesia. Microbiology Resource Announcements, 2018, 7, .	0.3	7
60	Characterization of the phenylglycine aminotransferase PglE from Streptomyces pristinaespiralis. Journal of Biotechnology, 2018, 278, 34-38.	1.9	7
61	Biosynthetic reconstitution of deoxysugar phosphoramidate metalloprotease inhibitors using an Nâ€“P-bond-forming kinase. Chemical Science, 2019, 10, 4486-4490.	3.7	7
62	A Second Gamma-Glutamylpolyamine Synthetase, GlnA2, Is Involved in Polyamine Catabolism in Streptomyces coelicolor. International Journal of Molecular Sciences, 2022, 23, 3752.	1.8	7
63	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
64	Die Biosynthese der Î²â€Lactonâ€haltigen Proteasominhibitoren Belactosin und Cystargolid. Angewandte Chemie, 2017, 129, 6765-6769.	1.6	4
65	Identification of Novel Î±-Pyrones from Conexibacter woesei Serving as Sulfate Shuttles. ACS Chemical Biology, 2019, 14, 1972-1980.	1.6	4
66	Xanthocidin Derivatives from the Endophytic Streptomyces sp. AcE210 Provide Insight into Xanthocidin Biosynthesis. ChemBioChem, 2018, 19, 2472-2480.	1.3	3
67	Investigation of the Autoregulator-Receptor System in the Pristinamycin Producer Streptomyces pristinaespiralis. Frontiers in Microbiology, 2020, 11, 580990.	1.5	3
68	Isolation and characterization of bioactive fungi from shark Carcharodon carchariasâ€™ gill with biopharmaceutical prospects. Chinese Journal of Oceanology and Limnology, 2016, 34, 186-199.	0.7	2
69	Engineering of Streptoalloteichus tenebrarius 2444 for Sustainable Production of Tobramycin. Molecules, 2021, 26, 4343.	1.7	2
70	New insights into the resistance mechanism for the BceAB-type transporter SaNsrFP. Scientific Reports, 2022, 12, 4232.	1.6	2
71	Five gene products are required for assembly of the central pyrrole moiety of coumermycin A1. Journal of Industrial Microbiology and Biotechnology, 2013, 40, 915-925.	1.4	1
72	Bioprospecting of Asteraceae Medicinal Plants of Pakistan for their Associated Bioactive Endophytic Actinomycetes for New Drug Targets. , 0, , .		0