Justin Nodwell

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.

76	3,259	31	56
papers	citations	h-index	g-index

84	3,896	8.3	5.48
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
76	High-Throughput Chemical Screen Identifies a 2,5-Disubstituted Pyridine as an Inhibitor of Candida albicans Erg11.. *MSphere*, **2022**, e0007522	5	1
75	A small molecule produced by Lactobacillus species blocks Candida albicans filamentation by inhibiting a DYRK1-family kinase. *Nature Communications*, **2021**, 12, 6151	17.4	9
74	Metabolomic profiling and biological investigation of (Silva Manso) leaves, family Bignoniaceae. *Natural Product Research*, **2021**, 35, 4632-4637	2.3	4
73	Chemical and biological studies on the soft coral sp.. *RSC Advances*, **2021**, 11, 23654-23663	3.7	2
72	A phage-encoded anti-activator inhibits quorum sensing in Pseudomonas aeruginosa. *Molecular Cell* , **2021**, 81, 571-583.e6	17.6	30
71	Biology and applications of co-produced, synergistic antimicrobials from environmental bacteria. *Nature Microbiology*, **2021**, 6, 1118-1128	26.6	5
70	An oxindole efflux inhibitor potentiates azoles and impairs virulence in the fungal pathogen Candida auris. *Nature Communications*, **2020**, 11, 6429	17.4	15
69	Chemical entrapment and killing of insects by bacteria. *Nature Communications*, **2020**, 11, 4608	17.4	5
68	Natural Products Repertoire of the Red Sea. *Marine Drugs*, **2020**, 18,	6	9
67	Metabolomics analysis and biological investigation of three Malvaceae plants. *Phytochemical Analysis*, **2020**, 31, 204-214	3.4	15
66	Dual-PKS Cluster for Biosynthesis of a Light-Induced Secondary Metabolite Found from Genome Sequencing of Hyphodiscus hymeniophilus Fungus. *ChemBioChem*, **2020**, 21, 2116-2120	3.8	3
65	Put a Bow on It: Knotted Antibiotics Take Center Stage. *Antibiotics*, **2019**, 8,	4.9	20
64	The Lasso Peptide Siamycin-I Targets Lipid II at the Gram-Positive Cell Surface. *ACS Chemical Biology* , **2019**, 14, 966-974	4.9	15
63	A Chemical Inhibitor of Cell Growth Reduces Cell Size in Bacillus subtilis. *ACS Chemical Biology*, **2019** , 14, 688-695	4.9	7
62	Discovery of a Novel DNA Gyrase-Targeting Antibiotic through the Chemical Perturbation of Streptomyces venezuelae Sporulation. *Cell Chemical Biology*, **2019**, 26, 1274-1282.e4	8.2	8
61	Silencing cryptic specialized metabolism in by the nucleoid-associated protein Lsr2. *ELife*, **2019**, 8,	8.9	27
60	Microbe Profile: a burlesque of pigments and phenotypes. *Microbiology (United Kingdom)*, **2019**, 165, 953-955	2.9	4

59	Membrane activity profiling of small molecule growth inhibitors utilizing novel duel-dye fluorescence assay. *MedChemComm*, **2018**, 9, 554-561	5	7
58	A chemical defence against phage infection. *Nature*, **2018**, 564, 283-286	50.4	78
57	A new antitrypanosomal alkaloid from the Red Sea marine sponge Hyrtios sp. *Journal of Antibiotics*, **2018**, 71, 1036-1039	3.7	12
56	Control of Specialized Metabolism by Signaling and Transcriptional Regulation: Opportunities for New Platforms for Drug Discovery?. *Annual Review of Microbiology*, **2018**, 72, 25-48	17.5	16
55	An Engineered Allele of afsQ1 Facilitates the Discovery and Investigation of Cryptic Natural Products. *ACS Chemical Biology*, **2017**, 12, 628-634	4.9	28
54	Antimicrobials: Expressing antibiotic gene clusters. *Nature Microbiology*, **2017**, 2, 17061	26.6	2
53	exploration is triggered by fungal interactions and volatile signals. *ELife*, **2017**, 6,	8.9	90
52	Chromosome level assembly and secondary metabolite potential of the parasitic fungus Cordyceps militaris. *BMC Genomics*, **2017**, 18, 912	4.5	13
51	Actinorhodin is a redox-active antibiotic with a complex mode of action against Gram-positive cells. *Molecular Microbiology*, **2017**, 106, 597-613	4.1	16
50	Tetrodecamycin: An unusual and interesting tetronate antibiotic. *Bioorganic and Medicinal Chemistry*, **2016**, 24, 6269-6275	3.4	9
49	David and Goliath: chemical perturbation of eukaryotes by bacteria. *Journal of Industrial Microbiology and Biotechnology*, **2016**, 43, 233-48	4.2	4
48	Biosynthetic Genes for the Tetrodecamycin Antibiotics. *Journal of Bacteriology*, **2016**, 198, 1965-1973	3.5	3
47	Activity-Independent Discovery of Secondary Metabolites Using Chemical Elicitation and Cheminformatic Inference. *ACS Chemical Biology*, **2015**, 10, 2616-23	4.9	34
46	13-Deoxytetrodecamycin, a new tetronate ring-containing antibiotic that is active against multidrug-resistant Staphylococcus aureus. *Journal of Antibiotics*, **2015**, 68, 698-702	3.7	7
45	Streptomyces: a screening tool for bacterial cell division inhibitors. *Journal of Biomolecular Screening*, **2015**, 20, 275-84		4
44	Are you talking to me? A possible role for Ebutyrolactones in interspecies signalling. *Molecular Microbiology*, **2014**, 94, 483-5	4.1	20
43	Multicellular Development in Streptomyces **2014**, 419-438		24
42	The expression of antibiotic resistance genes in antibiotic-producing bacteria. *Molecular Microbiology*, **2014**, 93, 391-402	4.1	43

41	Activating secondary metabolism with stress and chemicals. *Journal of Industrial Microbiology and Biotechnology*, **2014**, 41, 415-24	4.2	73
40	A synthetic, species-specific activator of secondary metabolism and sporulation in Streptomyces coelicolor. *ChemBioChem*, **2013**, 14, 83-91	3.8	24
39	The TetR family of regulators. *Microbiology and Molecular Biology Reviews*, **2013**, 77, 440-75	13.2	282
38	Deglycosylation as a mechanism of inducible antibiotic resistance revealed using a global relational tree for one-component regulators. *Chemistry and Biology*, **2013**, 20, 232-40		18
37	Towards a new science of secondary metabolism. *Journal of Antibiotics*, **2013**, 66, 387-400	3.7	91
36	Chemical perturbation of secondary metabolism demonstrates important links to primary metabolism. *Chemistry and Biology*, **2012**, 19, 1020-7		126
35	A two-step mechanism for the activation of actinorhodin export and resistance in Streptomyces coelicolor. *MBio*, **2012**, 3, e00191-12	7.8	41
34	Genome context as a predictive tool for identifying regulatory targets of the TetR family transcriptional regulators. *PLoS ONE*, **2012**, 7, e50562	3.7	43
33	Better chemistry through regulation. *Chemistry and Biology*, **2011**, 18, 1515-6		2
32	Bacterial transmembrane proteins that lack N-terminal signal sequences. *PLoS ONE*, **2011**, 6, e19421	3.7	15
31	Induction of antimicrobial activities in heterologous streptomycetes using alleles of the Streptomyces coelicolor gene absA1. *Journal of Antibiotics*, **2010**, 63, 177-82	3.7	46
30	Transmembrane topology of the AbsA1 sensor kinase of Streptomyces coelicolor. *Microbiology (United Kingdom)*, **2009**, 155, 1812-1818	2.9	8
29	Chapter 5. Applying the genetics of secondary metabolism in model actinomycetes to the discovery of new antibiotics. *Methods in Enzymology*, **2009**, 458, 117-41	1.7	57
28	Crystal structures of the Streptomyces coelicolor TetR-like protein ActR alone and in complex with actinorhodin or the actinorhodin biosynthetic precursor (S)-DNPA. *Journal of Molecular Biology*, **2008**, 376, 1377-87	6.5	54
27	Ligand recognition by ActR, a TetR-like regulator of actinorhodin export. *Journal of Molecular Biology*, **2008**, 383, 753-61	6.5	42
26	Initiation of actinorhodin export in Streptomyces coelicolor. *Molecular Microbiology*, **2007**, 63, 951-61	4.1	101
25	Monomeric red fluorescent protein as a reporter for macromolecular localization in Streptomyces coelicolor. *Plasmid*, **2007**, 58, 167-73	3.3	6
24	Investigation of transcription repression and small-molecule responsiveness by TetR-like transcription factors using a heterologous Escherichia coli-based assay. *Journal of Bacteriology*, **2007**, 189, 6655-64	3.5	19

23	Phosphorylated AbsA2 negatively regulates antibiotic production in Streptomyces coelicolor through interactions with pathway-specific regulatory gene promoters. *Journal of Bacteriology*, **2007**, 189, 5284-92	3.5	74
22	Novel links between antibiotic resistance and antibiotic production. *Journal of Bacteriology*, **2007**, 189, 3683-5	3.5	31
21	A synthetic luxCDABE gene cluster optimized for expression in high-GC bacteria. *Nucleic Acids Research*, **2007**, 35, e46	20.1	61
20	Critical residues and novel effects of overexpression of the Streptomyces coelicolor developmental protein BldB: evidence for a critical interacting partner. *Journal of Bacteriology*, **2006**, 188, 8189-95	3.5	16
19	Morphogenetic surfactants and their role in the formation of aerial hyphae in Streptomyces coelicolor. *Molecular Microbiology*, **2006**, 59, 731-42	4.1	89
18	Pivotal roles for the receiver domain in the mechanism of action of the response regulator RamR of Streptomyces coelicolor. *Journal of Molecular Biology*, **2005**, 351, 1030-47	6.5	33
17	Biochemical activities of the absA two-component system of Streptomyces coelicolor. *Journal of Bacteriology*, **2005**, 187, 687-96	3.5	53
16	Dimerization of the RamC morphogenetic protein of Streptomyces coelicolor. *Journal of Bacteriology*, **2004**, 186, 1330-6	3.5	7
15	The SapB morphogen is a lantibiotic-like peptide derived from the product of the developmental gene ramS in Streptomyces coelicolor. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 11448-53	11.5	242
14	StoPK-1, a serine/threonine protein kinase from the glycopeptide antibiotic producer Streptomyces toyocaensis NRRL 15009, affects oxidative stress response. *Molecular Microbiology*, **2002**, 44, 417-30	4.1	28
13	The ramC gene is required for morphogenesis in Streptomyces coelicolor and expressed in a cell type-specific manner under the direct control of RamR. *Molecular Microbiology*, **2002**, 45, 45-57	4.1	63
12	Membrane association and kinase-like motifs of the RamC protein of Streptomyces coelicolor. *Journal of Bacteriology*, **2002**, 184, 4920-4	3.5	19
11	Structural and genetic analysis of the BldB protein of Streptomyces coelicolor. *Journal of Bacteriology*, **2002**, 184, 4270-6	3.5	32
10	Genomewide insertional mutagenesis in Streptomyces coelicolor reveals additional genes involved in morphological differentiation. *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 9642-7	11.5	58
9	Extracellular complementation and the identification of additional genes involved in aerial mycelium formation in Streptomyces coelicolor. *Genetics*, **1999**, 151, 569-84	4	39
8	The Streptomyces coelicolor sporulation-specific sigma WhiG form of RNA polymerase transcribes a gene encoding a ProX-like protein that is dispensable for sporulation. *Gene*, **1998**, 212, 137-46	3.8	28
7	Purification of an extracellular signaling molecule involved in production of aerial mycelium by Streptomyces coelicolor. *Journal of Bacteriology*, **1998**, 180, 1334-7	3.5	63
6	Assembly of the cell division protein FtsZ into ladder-like structures in the aerial hyphae of Streptomyces coelicolor. *Molecular Microbiology*, **1997**, 25, 847-58	4.1	117

5	An oligopeptide permease responsible for the import of an extracellular signal governing aerial mycelium formation in Streptomyces coelicolor. *Molecular Microbiology*, **1996**, 22, 881-93	4.1	128
4	Recognition of boxA antiterminator RNA by the E. coli antitermination factors NusB and ribosomal protein S10. *Cell*, **1993**, 72, 261-8	56.2	133
3	Transcriptional antitermination. *Nature*, **1993**, 364, 401-6	50.4	233
2	The nut site of bacteriophage lambda is made of RNA and is bound by transcription antitermination factors on the surface of RNA polymerase. *Genes and Development*, **1991**, 5, 2141-51	12.6	73
1	Diverse Cell-Cell Signaling Molecules Control Formation of Aerial Hyphae and Secondary Metabolism in Streptomycetes91-104		