

# Justin Nodwell

## List of Publications by Citations

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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  
papers

3,259  
citations

31  
h-index

56  
g-index

84  
ext. papers

3,896  
ext. citations

8.3  
avg, IF

5.48  
L-index

#	Paper	IF	Citations
76	The TetR family of regulators. <i>Microbiology and Molecular Biology Reviews</i> , <b>2013</b> , 77, 440-75	13.2	282
75	The SapB morphogen is a lantibiotic-like peptide derived from the product of the developmental gene ramS in <i>Streptomyces coelicolor</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 11448-53	11.5	242
74	Transcriptional antitermination. <i>Nature</i> , <b>1993</b> , 364, 401-6	50.4	233
73	Recognition of boxA antiterminator RNA by the E. coli antitermination factors NusB and ribosomal protein S10. <i>Cell</i> , <b>1993</b> , 72, 261-8	56.2	133
72	An oligopeptide permease responsible for the import of an extracellular signal governing aerial mycelium formation in <i>Streptomyces coelicolor</i> . <i>Molecular Microbiology</i> , <b>1996</b> , 22, 881-93	4.1	128
71	Chemical perturbation of secondary metabolism demonstrates important links to primary metabolism. <i>Chemistry and Biology</i> , <b>2012</b> , 19, 1020-7		126
70	Assembly of the cell division protein FtsZ into ladder-like structures in the aerial hyphae of <i>Streptomyces coelicolor</i> . <i>Molecular Microbiology</i> , <b>1997</b> , 25, 847-58	4.1	117
69	Initiation of actinorhodin export in <i>Streptomyces coelicolor</i> . <i>Molecular Microbiology</i> , <b>2007</b> , 63, 951-61	4.1	101
68	Towards a new science of secondary metabolism. <i>Journal of Antibiotics</i> , <b>2013</b> , 66, 387-400	3.7	91
67	exploration is triggered by fungal interactions and volatile signals. <i>ELife</i> , <b>2017</b> , 6,	8.9	90
66	Morphogenetic surfactants and their role in the formation of aerial hyphae in <i>Streptomyces coelicolor</i> . <i>Molecular Microbiology</i> , <b>2006</b> , 59, 731-42	4.1	89
65	A chemical defence against phage infection. <i>Nature</i> , <b>2018</b> , 564, 283-286	50.4	78
64	Phosphorylated AbsA2 negatively regulates antibiotic production in <i>Streptomyces coelicolor</i> through interactions with pathway-specific regulatory gene promoters. <i>Journal of Bacteriology</i> , <b>2007</b> , 189, 5284-92	3.5	74
63	Activating secondary metabolism with stress and chemicals. <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2014</b> , 41, 415-24	4.2	73
62	The nut site of bacteriophage lambda is made of RNA and is bound by transcription antitermination factors on the surface of RNA polymerase. <i>Genes and Development</i> , <b>1991</b> , 5, 2141-51	12.6	73
61	The ramC gene is required for morphogenesis in <i>Streptomyces coelicolor</i> and expressed in a cell type-specific manner under the direct control of RamR. <i>Molecular Microbiology</i> , <b>2002</b> , 45, 45-57	4.1	63
60	Purification of an extracellular signaling molecule involved in production of aerial mycelium by <i>Streptomyces coelicolor</i> . <i>Journal of Bacteriology</i> , <b>1998</b> , 180, 1334-7	3.5	63

59	A synthetic luxCDABE gene cluster optimized for expression in high-GC bacteria. <i>Nucleic Acids Research</i> , <b>2007</b> , 35, e46	20.1	61
58	Genomewide insertional mutagenesis in <i>Streptomyces coelicolor</i> reveals additional genes involved in morphological differentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2000</b> , 97, 9642-7	11.5	58
57	Chapter 5. Applying the genetics of secondary metabolism in model actinomycetes to the discovery of new antibiotics. <i>Methods in Enzymology</i> , <b>2009</b> , 458, 117-41	1.7	57
56	Crystal structures of the <i>Streptomyces coelicolor</i> TetR-like protein ActR alone and in complex with actinorhodin or the actinorhodin biosynthetic precursor (S)-DNPA. <i>Journal of Molecular Biology</i> , <b>2008</b> , 376, 1377-87	6.5	54
55	Biochemical activities of the absA two-component system of <i>Streptomyces coelicolor</i> . <i>Journal of Bacteriology</i> , <b>2005</b> , 187, 687-96	3.5	53
54	Induction of antimicrobial activities in heterologous streptomycetes using alleles of the <i>Streptomyces coelicolor</i> gene absA1. <i>Journal of Antibiotics</i> , <b>2010</b> , 63, 177-82	3.7	46
53	The expression of antibiotic resistance genes in antibiotic-producing bacteria. <i>Molecular Microbiology</i> , <b>2014</b> , 93, 391-402	4.1	43
52	Genome context as a predictive tool for identifying regulatory targets of the TetR family transcriptional regulators. <i>PLoS ONE</i> , <b>2012</b> , 7, e50562	3.7	43
51	Ligand recognition by ActR, a TetR-like regulator of actinorhodin export. <i>Journal of Molecular Biology</i> , <b>2008</b> , 383, 753-61	6.5	42
50	A two-step mechanism for the activation of actinorhodin export and resistance in <i>Streptomyces coelicolor</i> . <i>MBio</i> , <b>2012</b> , 3, e00191-12	7.8	41
49	Extracellular complementation and the identification of additional genes involved in aerial mycelium formation in <i>Streptomyces coelicolor</i> . <i>Genetics</i> , <b>1999</b> , 151, 569-84	4	39
48	Activity-Independent Discovery of Secondary Metabolites Using Chemical Elicitation and Cheminformatic Inference. <i>ACS Chemical Biology</i> , <b>2015</b> , 10, 2616-23	4.9	34
47	Pivotal roles for the receiver domain in the mechanism of action of the response regulator RamR of <i>Streptomyces coelicolor</i> . <i>Journal of Molecular Biology</i> , <b>2005</b> , 351, 1030-47	6.5	33
46	Structural and genetic analysis of the BldB protein of <i>Streptomyces coelicolor</i> . <i>Journal of Bacteriology</i> , <b>2002</b> , 184, 4270-6	3.5	32
45	Novel links between antibiotic resistance and antibiotic production. <i>Journal of Bacteriology</i> , <b>2007</b> , 189, 3683-5	3.5	31
44	A phage-encoded anti-activator inhibits quorum sensing in <i>Pseudomonas aeruginosa</i> . <i>Molecular Cell</i> , <b>2021</b> , 81, 571-583.e6	17.6	30
43	An Engineered Allele of afsQ1 Facilitates the Discovery and Investigation of Cryptic Natural Products. <i>ACS Chemical Biology</i> , <b>2017</b> , 12, 628-634	4.9	28
42	The <i>Streptomyces coelicolor</i> sporulation-specific sigma WhiG form of RNA polymerase transcribes a gene encoding a ProX-like protein that is dispensable for sporulation. <i>Gene</i> , <b>1998</b> , 212, 137-46	3.8	28

41	StoPK-1, a serine/threonine protein kinase from the glycopeptide antibiotic producer <i>Streptomyces toyocaensis</i> NRRL 15009, affects oxidative stress response. <i>Molecular Microbiology</i> , <b>2002</b> , 44, 417-30	4.1	28
40	Silencing cryptic specialized metabolism in by the nucleoid-associated protein Lsr2. <i>ELife</i> , <b>2019</b> , 8,	8.9	27
39	Multicellular Development in <i>Streptomyces</i> <b>2014</b> , 419-438		24
38	A synthetic, species-specific activator of secondary metabolism and sporulation in <i>Streptomyces coelicolor</i> . <i>ChemBioChem</i> , <b>2013</b> , 14, 83-91	3.8	24
37	Put a Bow on It: Knotted Antibiotics Take Center Stage. <i>Antibiotics</i> , <b>2019</b> , 8,	4.9	20
36	Are you talking to me? A possible role for $\epsilon$ -butyrolactones in interspecies signalling. <i>Molecular Microbiology</i> , <b>2014</b> , 94, 483-5	4.1	20
35	Investigation of transcription repression and small-molecule responsiveness by TetR-like transcription factors using a heterologous <i>Escherichia coli</i> -based assay. <i>Journal of Bacteriology</i> , <b>2007</b> , 189, 6655-64	3.5	19
34	Membrane association and kinase-like motifs of the RamC protein of <i>Streptomyces coelicolor</i> . <i>Journal of Bacteriology</i> , <b>2002</b> , 184, 4920-4	3.5	19
33	Deglycosylation as a mechanism of inducible antibiotic resistance revealed using a global relational tree for one-component regulators. <i>Chemistry and Biology</i> , <b>2013</b> , 20, 232-40		18
32	Actinorhodin is a redox-active antibiotic with a complex mode of action against Gram-positive cells. <i>Molecular Microbiology</i> , <b>2017</b> , 106, 597-613	4.1	16
31	Critical residues and novel effects of overexpression of the <i>Streptomyces coelicolor</i> developmental protein BldB: evidence for a critical interacting partner. <i>Journal of Bacteriology</i> , <b>2006</b> , 188, 8189-95	3.5	16
30	Control of Specialized Metabolism by Signaling and Transcriptional Regulation: Opportunities for New Platforms for Drug Discovery?. <i>Annual Review of Microbiology</i> , <b>2018</b> , 72, 25-48	17.5	16
29	The Lasso Peptide Siamycin-I Targets Lipid II at the Gram-Positive Cell Surface. <i>ACS Chemical Biology</i> , <b>2019</b> , 14, 966-974	4.9	15
28	An oxindole efflux inhibitor potentiates azoles and impairs virulence in the fungal pathogen <i>Candida auris</i> . <i>Nature Communications</i> , <b>2020</b> , 11, 6429	17.4	15
27	Bacterial transmembrane proteins that lack N-terminal signal sequences. <i>PLoS ONE</i> , <b>2011</b> , 6, e19421	3.7	15
26	Metabolomics analysis and biological investigation of three Malvaceae plants. <i>Phytochemical Analysis</i> , <b>2020</b> , 31, 204-214	3.4	15
25	Chromosome level assembly and secondary metabolite potential of the parasitic fungus <i>Cordyceps militaris</i> . <i>BMC Genomics</i> , <b>2017</b> , 18, 912	4.5	13
24	A new antitrypanosomal alkaloid from the Red Sea marine sponge <i>Hyrtios</i> sp. <i>Journal of Antibiotics</i> , <b>2018</b> , 71, 1036-1039	3.7	12

23	Tetrodecamycin: An unusual and interesting tetronate antibiotic. <i>Bioorganic and Medicinal Chemistry</i> , <b>2016</b> , 24, 6269-6275	3.4	9
22	A small molecule produced by <i>Lactobacillus</i> species blocks <i>Candida albicans</i> filamentation by inhibiting a DYRK1-family kinase. <i>Nature Communications</i> , <b>2021</b> , 12, 6151	17.4	9
21	Natural Products Repertoire of the Red Sea. <i>Marine Drugs</i> , <b>2020</b> , 18,	6	9
20	Discovery of a Novel DNA Gyrase-Targeting Antibiotic through the Chemical Perturbation of <i>Streptomyces venezuelae</i> Sporulation. <i>Cell Chemical Biology</i> , <b>2019</b> , 26, 1274-1282.e4	8.2	8
19	Transmembrane topology of the AbsA1 sensor kinase of <i>Streptomyces coelicolor</i> . <i>Microbiology (United Kingdom)</i> , <b>2009</b> , 155, 1812-1818	2.9	8
18	A Chemical Inhibitor of Cell Growth Reduces Cell Size in <i>Bacillus subtilis</i> . <i>ACS Chemical Biology</i> , <b>2019</b> , 14, 688-695	4.9	7
17	13-Deoxytetrodecamycin, a new tetronate ring-containing antibiotic that is active against multidrug-resistant <i>Staphylococcus aureus</i> . <i>Journal of Antibiotics</i> , <b>2015</b> , 68, 698-702	3.7	7
16	Membrane activity profiling of small molecule growth inhibitors utilizing novel dual-dye fluorescence assay. <i>MedChemComm</i> , <b>2018</b> , 9, 554-561	5	7
15	Dimerization of the RamC morphogenetic protein of <i>Streptomyces coelicolor</i> . <i>Journal of Bacteriology</i> , <b>2004</b> , 186, 1330-6	3.5	7
14	Monomeric red fluorescent protein as a reporter for macromolecular localization in <i>Streptomyces coelicolor</i> . <i>Plasmid</i> , <b>2007</b> , 58, 167-73	3.3	6
13	Chemical entrapment and killing of insects by bacteria. <i>Nature Communications</i> , <b>2020</b> , 11, 4608	17.4	5
12	Biology and applications of co-produced, synergistic antimicrobials from environmental bacteria. <i>Nature Microbiology</i> , <b>2021</b> , 6, 1118-1128	26.6	5
11	<i>Streptomyces</i> : a screening tool for bacterial cell division inhibitors. <i>Journal of Biomolecular Screening</i> , <b>2015</b> , 20, 275-84		4
10	David and Goliath: chemical perturbation of eukaryotes by bacteria. <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2016</b> , 43, 233-48	4.2	4
9	Microbe Profile: a burlesque of pigments and phenotypes. <i>Microbiology (United Kingdom)</i> , <b>2019</b> , 165, 953-955	2.9	4
8	Metabolomic profiling and biological investigation of (Silva Manso) leaves, family Bignoniaceae. <i>Natural Product Research</i> , <b>2021</b> , 35, 4632-4637	2.3	4
7	Biosynthetic Genes for the Tetrodecamycin Antibiotics. <i>Journal of Bacteriology</i> , <b>2016</b> , 198, 1965-1973	3.5	3
6	Dual-PKS Cluster for Biosynthesis of a Light-Induced Secondary Metabolite Found from Genome Sequencing of <i>Hyphodiscus hymeniophilus</i> Fungus. <i>ChemBioChem</i> , <b>2020</b> , 21, 2116-2120	3.8	3

5	Antimicrobials: Expressing antibiotic gene clusters. <i>Nature Microbiology</i> , <b>2017</b> , 2, 17061	26.6	2
4	Better chemistry through regulation. <i>Chemistry and Biology</i> , <b>2011</b> , 18, 1515-6		2
3	Chemical and biological studies on the soft coral sp.. <i>RSC Advances</i> , <b>2021</b> , 11, 23654-23663	3.7	2
2	High-Throughput Chemical Screen Identifies a 2,5-Disubstituted Pyridine as an Inhibitor of <i>Candida albicans</i> Erg11.. <i>MSphere</i> , <b>2022</b> , e0007522	5	1
1	Diverse Cell-Cell Signaling Molecules Control Formation of Aerial Hyphae and Secondary Metabolism in <i>Streptomyces</i> 91-104		