

# Julian Davies

## List of Publications by Year in descending order

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132  
papers

18,502  
citations

22099

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docs citations

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times ranked

19416  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antivirulence Agent as an Adjuvant of $\beta$ -Lactam Antibiotics in Treating Staphylococcal Infections. <i>Antibiotics</i> , 2022, 11, 819.	1.5	3
2	Subinhibitory Concentrations of Antibiotics Exacerbate Staphylococcal Infection by Inducing Bacterial Virulence. <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	5
3	Suppression of <i>Staphylococcus aureus</i> virulence by a small-molecule compound. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8003-8008.	3.3	49
4	Kisameet Glacial Clay: an Unexpected Source of Bacterial Diversity. <i>MBio</i> , 2017, 8, .	1.8	18
5	Dehydrosqualene Desaturase as a Novel Target for Anti-Virulence Therapy against <i>Staphylococcus aureus</i> . <i>MBio</i> , 2017, 8, .	1.8	37
6	The Whys and Wherefores of Antibiotic Resistance. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2017, 7, a025171.	2.9	22
7	Construction of a Multiplex Promoter Reporter Platform to Monitor <i>Staphylococcus aureus</i> Virulence Gene Expression and the Identification of Usnic Acid as a Potent Suppressor of <i>psm</i> Gene Expression. <i>Frontiers in Microbiology</i> , 2016, 7, 1344.	1.5	10
8	Kisameet Clay Exhibits Potent Antibacterial Activity against the ESKAPE Pathogens. <i>MBio</i> , 2016, 7, e01842-15.	1.8	39
9	Screening of Microbial Extracts for Anticancer Compounds Using <i>Streptomyces</i> Kinase Inhibitor Assay. <i>Natural Product Communications</i> , 2015, 10, 1934578X1501000.	0.2	6
10	Unciaphenol, an Oxygenated Analogue of the Bergman Cyclization Product of Uncialamycin Exhibits Anti-HIV Activity. <i>Organic Letters</i> , 2015, 17, 5304-5307.	2.4	16
11	Antibiotic resistance and the golden age of microbiology. <i>Upsala Journal of Medical Sciences</i> , 2014, 119, 65-67.	0.4	11
12	Human microbiome science: vision for the future, Bethesda, MD, July 24 to 26, 2013. <i>Microbiome</i> , 2014, 2, .	4.9	25
13	Herbicidin Congeners, Undecose Nucleosides from an Organic Extract of <i>Streptomyces</i> sp. L-9-10. <i>Journal of Natural Products</i> , 2014, 77, 227-233.	1.5	20
14	Research in <i>Microbiology</i> , 2014, 165, 351-352.	1.0	1
15	Complex integrons containing <i>qnrB4-ampC</i> ( <i>blaDHA-1</i> ) in plasmids of multidrug-resistant <i>Citrobacter freundii</i> from wastewater. <i>Canadian Journal of Microbiology</i> , 2013, 59, 110-116.	0.8	21
16	Specialized microbial metabolites: functions and origins. <i>Journal of Antibiotics</i> , 2013, 66, 361-364.	1.0	130
17	Antibiotic Resistance in and from Nature. <i>Microbiology Spectrum</i> , 2013, 1, .	1.2	3
18	Proteomic Analysis of Survival of <i>Rhodococcus jostii</i> RHA1 during Carbon Starvation. <i>Applied and Environmental Microbiology</i> , 2012, 78, 6714-6725.	1.4	43

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19	Bugs, drugs and chemical genomics. <i>Nature Chemical Biology</i> , 2012, 8, 46-56.	3.9	130
20	Introducing the Parvome: Bioactive Compounds in the Microbial World. <i>ACS Chemical Biology</i> , 2012, 7, 252-259.	1.6	125
21	Class 1 and class 2 integrons in multidrug-resistant gram-negative bacteria isolated from the Salmon River, British Columbia. <i>Canadian Journal of Microbiology</i> , 2011, 57, 460-467.	0.8	20
22	Tackling antibiotic resistance. <i>Nature Reviews Microbiology</i> , 2011, 9, 894-896.	13.6	919
23	Streptomycetes are special: arcane applications. <i>Microbial Biotechnology</i> , 2011, 4, 141-143.	2.0	4
24	How to discover new antibiotics: harvesting the parvome. <i>Current Opinion in Chemical Biology</i> , 2011, 15, 5-10.	2.8	79
25	Characterization of Two Isozymes of Coniferyl Alcohol Dehydrogenase from <i>Streptomyces</i> sp. NL15-2K. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 1770-1777.	0.6	8
26	Modulation of virulence gene expression by cell wall active antibiotics in <i>Staphylococcus aureus</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2011, 66, 979-984.	1.3	59
27	Origins and Evolution of Antibiotic Resistance. <i>Microbiology and Molecular Biology Reviews</i> , 2010, 74, 417-433.	2.9	4,061
28	Actinobacteria: the good, the bad, and the ugly. <i>Antonie Van Leeuwenhoek</i> , 2010, 98, 143-150.	0.7	85
29	<i>Staphylococcus aureus</i> promoter-lux reporters for drug discovery. <i>Journal of Antibiotics</i> , 2010, 63, 492-498.	1.0	16
30	Call of the wild: antibiotic resistance genes in natural environments. <i>Nature Reviews Microbiology</i> , 2010, 8, 251-259.	13.6	1,733
31	Coumabiotics A <sup>+</sup> F, Aminocoumarins from an Organic Extract of <i>Streptomyces</i> sp. L-4-4. <i>Journal of Natural Products</i> , 2010, 73, 880-884.	1.5	29
32	Improved lux reporters for use in <i>Staphylococcus aureus</i> . <i>Plasmid</i> , 2009, 61, 182-187.	0.4	40
33	Darwin and microbiomes. <i>EMBO Reports</i> , 2009, 10, 805-805.	2.0	16
34	Phenotypic changes in ciprofloxacin-resistant <i>Staphylococcus aureus</i> . <i>Research in Microbiology</i> , 2009, 160, 785-791.	1.0	24
35	Resistance redux. <i>EMBO Reports</i> , 2008, 9, S18-21.	2.0	7
36	Cladoniamides A <sup>+</sup> G, Tryptophan-Derived Alkaloids Produced in Culture by <i>Streptomyces uncialis</i> . <i>Organic Letters</i> , 2008, 10, 3501-3504.	2.4	89

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37	Metagenomics and Antibiotic Discovery from Uncultivated Bacteria. <i>Microbiology Monographs</i> , 2008, , 217-236.	0.3	1
38	Characterization of a mycothiol ligase mutant of <i>Rhodococcus jostii</i> RHA1. <i>Research in Microbiology</i> , 2008, 159, 643-650.	1.0	12
39	Effects of Subinhibitory Concentrations of Antibiotics on SOS and DNA Repair Gene Expression in <i>Staphylococcus aureus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 3394-3397.	1.4	89
40	Roles of Ring-Hydroxylating Dioxygenases in Styrene and Benzene Catabolism in <i>Rhodococcus jostii</i> RHA1. <i>Journal of Bacteriology</i> , 2008, 190, 37-47.	1.0	75
41	Molecular Characterization of Class 3 Integrons from <i>Delftia</i> spp. <i>Journal of Bacteriology</i> , 2007, 189, 6276-6283.	1.0	85
42	Small molecules: The lexicon of biodiversity. <i>Journal of Biotechnology</i> , 2007, 129, 3-5.	1.9	23
43	Antibiotics as signalling molecules. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2007, 362, 1195-1200.	1.8	463
44	Microbes have the last word. <i>EMBO Reports</i> , 2007, 8, 616-621.	2.0	121
45	The world of subinhibitory antibiotic concentrations. <i>Current Opinion in Microbiology</i> , 2006, 9, 445-453.	2.3	630
46	The truth about antibiotics. <i>International Journal of Medical Microbiology</i> , 2006, 296, 163-170.	1.5	186
47	Heterologous production of daptomycin in <i>Streptomyces lividans</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2006, 33, 121-128.	1.4	81
48	Are antibiotics naturally antibiotics?. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2006, 33, 496-499.	1.4	224
49	Isolation and characterization of <i>Streptomyces</i> sp. NL15-2K capable of degrading lignin-related aromatic compounds. <i>Journal of Bioscience and Bioengineering</i> , 2006, 102, 124-127.	1.1	26
50	Bacterial single-stranded DNA-binding proteins are phosphorylated on tyrosine. <i>Nucleic Acids Research</i> , 2006, 34, 1588-1596.	6.5	122
51	Transcription Modulation of <i>Salmonella enterica</i> Serovar Typhimurium Promoters by Sub-MIC Levels of Rifampin. <i>Journal of Bacteriology</i> , 2006, 188, 7988-7991.	1.0	59
52	Catabolism of Benzoate and Phthalate in <i>Rhodococcus</i> sp. Strain RHA1: Redundancies and Convergence. <i>Journal of Bacteriology</i> , 2005, 187, 4050-4063.	1.0	140
53	Uncialamycin, A New Eneidyne Antibiotic. <i>Organic Letters</i> , 2005, 7, 5233-5236.	2.4	154
54	Antimicrobial Resistance Gene Delivery in Animal Feeds. <i>Emerging Infectious Diseases</i> , 2004, 10, 679-683.	2.0	30

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55	Novel Pathway of Salicylate Degradation by <i>Streptomyces</i> sp. Strain WA46. <i>Applied and Environmental Microbiology</i> , 2004, 70, 1297-1306.	1.4	85
56	Functional Characterization of a Catabolic Plasmid from Polychlorinated- Biphenyl-Degrading <i>Rhodococcus</i> sp. Strain RHA1. <i>Journal of Bacteriology</i> , 2004, 186, 7783-7795.	1.0	65
57	Dual Effects of MLS Antibiotics. <i>Chemistry and Biology</i> , 2004, 11, 1307-1316.	6.2	88
58	Gathering No Moss. <i>Annual Review of Microbiology</i> , 2003, 57, 1-27.	2.9	5
59	Molecular characterization of bacterial diversity from British Columbia forest soils subjected to disturbance. <i>Canadian Journal of Microbiology</i> , 2002, 48, 655-674.	0.8	103
60	Transcriptional modulation of bacterial gene expression by subinhibitory concentrations of antibiotics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 17025-17030.	3.3	462
61	Identifying Protein Kinase Inhibitors Using an Assay Based on Inhibition of Aerial Hyphae Formation in <i>Streptomyces</i> .. <i>Journal of Antibiotics</i> , 2002, 55, 407-416.	1.0	54
62	Cultivation-dependent characterization of bacterial diversity from British Columbia forest soils subjected to disturbance. <i>Canadian Journal of Microbiology</i> , 2002, 48, 643-654.	0.8	37
63	Molecular characterization of bacterial diversity in Lodgepole pine ( <i>Pinus contorta</i> ) rhizosphere soils from British Columbia forest soils differing in disturbance and geographic source. <i>FEMS Microbiology Ecology</i> , 2002, 42, 347-357.	1.3	106
64	RNase U2 and Î±-Sarcin: A Study of Relationships. <i>Methods in Enzymology</i> , 2001, 341, 335-351.	0.4	44
65	Involvement of the amino-terminal Î²-hairpin of the <i>Aspergillus</i> ribotoxins on the interaction with membranes and nonspecific ribonuclease activity. <i>Protein Science</i> , 2001, 10, 1658-1668.	3.1	30
66	Rapid identification and characterization of hammerhead-ribozyme inhibitors using fluorescence-based technology. <i>Nature Biotechnology</i> , 2001, 19, 56-61.	9.4	70
67	Mitogillin and Related Fungal Ribotoxins. <i>Methods in Enzymology</i> , 2001, 341, 324-335.	0.4	40
68	Ribonuclease U2: cloning, production in <i>Pichia pastoris</i> and affinity chromatography purification of the active recombinant protein. <i>FEMS Microbiology Letters</i> , 2000, 189, 165-169.	0.7	8
69	Antibiotic Resistance in the ECOR Collection: Integrons and Identification of a Novel <i>aad</i> Gene. <i>Antimicrobial Agents and Chemotherapy</i> , 2000, 44, 1568-1574.	1.4	304
70	The 1.5 Å... crystal structure of a bleomycin resistance determinant from bleomycin-producing <i>Streptomyces verticillus</i> . <i>Journal of Molecular Biology</i> , 2000, 295, 915-925.	2.0	24
71	Novel Natural Products from Soil DNA Libraries in a <i>Streptomyces</i> Host. <i>Organic Letters</i> , 2000, 2, 2401-2404.	2.4	247
72	Horizontal gene transfer and the origin of species: lessons from bacteria. <i>Trends in Microbiology</i> , 2000, 8, 128-133.	3.5	474

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73	Single amino acid substitutions affecting the specificity of the fungal ribotoxin mitogillin. FEBS Letters, 2000, 466, 87-90.	1.3	15
74	Characterization of the Protocatechuic Acid Catabolic Gene Cluster from Streptomyces sp. Strain 2065. Applied and Environmental Microbiology, 2000, 66, 1499-1508.	1.4	93
75	Characterization of a vanillic acid non-oxidative decarboxylation gene cluster from Streptomyces sp. D7 The GenBank accession number for the sequence reported in this paper is AF134589.. Microbiology (United Kingdom), 1999, 145, 2393-2403.	0.7	68
76	Molecular Dissection of Mitogillin Reveals That the Fungal Ribotoxins Are a Family of Natural Genetically Engineered Ribonucleases. Journal of Biological Chemistry, 1999, 274, 12576-12582.	1.6	37
77	Gene capture in Vibrio cholerae: Response. Trends in Microbiology, 1999, 7, 95.	3.5	4
78	Ribotoxins are a more widespread group of proteins within the filamentous fungi than previously believed. Toxicon, 1999, 37, 1549-1563.	0.8	47
79	Unanswered questions concerning antibiotic resistance. Clinical Microbiology and Infection, 1998, 4, 2-3.	2.8	10
80	Crystallization and preliminary X-ray diffraction studies of bleomycin-binding protein from bleomycin-producing Streptomyces verticillus. Acta Crystallographica Section D: Biological Crystallography, 1998, 54, 127-128.	2.5	4
81	A Distinctive Class of Integron in the Vibrio cholerae Genome. Science, 1998, 280, 605-608.	6.0	361
82	Aspects of the Molecular Genetics of Antibiotics. , 1998, , 285-299.		0
83	Components of Eukaryotic-like Protein Signaling Pathways in <i>Mycobacterium tuberculosis</i> . Microbial & Comparative Genomics, 1997, 2, 63-73.	0.6	24
84	Bacterial resistance to aminoglycoside antibiotics. Trends in Microbiology, 1997, 5, 234-240.	3.5	357
85	Large Scale Identification of Genes Involved in Cell Surface Biosynthesis and Architecture in <i>Saccharomyces cerevisiae</i> . Genetics, 1997, 147, 435-450.	1.2	350
86	Inhibition of the Self-cleavage Reaction of the Human Hepatitis Delta Virus Ribozyme by Antibiotics. Journal of Molecular Biology, 1996, 259, 916-925.	2.0	144
87	The Structure of U17 Isolated from Streptomyces clavuligerus and its Properties as an Antioxidant Thiol. FEBS Journal, 1995, 230, 821-825.	0.2	115
88	Fungal ribotoxins: a family of naturally engineered targeted toxins?. Biochemistry and Cell Biology, 1995, 73, 1151-1159.	0.9	55
89	The pseudodisaccharides: a novel class of group I intron splicing inhibitors. Nucleic Acids Research, 1994, 22, 4983-4988.	6.5	21
90	Microbial molecular diversity: Past and present Thom Award lecture. Journal of Industrial Microbiology, 1994, 13, 208-211.	0.9	4

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91	Accidental release of antibiotic-resistance genes. Trends in Biotechnology, 1994, 12, 74-75.	4.9	11
92	Protein tyrosine phosphorylation in streptomycetes. FEMS Microbiology Letters, 1994, 120, 187-190.	0.7	42
93	Peptide antibiotics of the tuberactinomycin family as inhibitors of group I intron RNA splicing. Journal of Molecular Biology, 1994, 236, 1001-1010.	2.0	64
94	Non-competitive inhibition of group I intron RNA self-splicing by aminoglycoside antibiotics. Journal of Molecular Biology, 1992, 226, 935-941.	2.0	127
95	Antibiotic inhibition of group I ribozyme function. Nature, 1991, 353, 368-370.	13.7	278
96	Isolation and nucleotide sequence of the <i>Aspergillus restrictus</i> gene coding for the ribonucleolytic toxin restrictocin and its expression in <i>Aspergillus nidulans</i> : the leader sequence protects producing strains from suicide. Nucleic Acids Research, 1991, 19, 1001-1006.	6.5	68
97	Transposition of an antibiotic resistance element in mycobacteria. Nature, 1990, 345, 739-743.	13.7	229
98	On the evolution of Tn21-like multiresistance transposons: Sequence analysis of the gene ( <i>aacC1</i> ) for gentamicin acetyltransferase-3-I(AAC(3)-I), another member of the Tn21-based expression cassette. Molecular Genetics and Genomics, 1989, 217, 202-208.	2.4	153
99	Multiplication in specialization. Nature, 1986, 323, 368-368.	13.7	1
100	A new look at antibiotic resistance. FEMS Microbiology Letters, 1986, 39, 363-371.	0.7	16
101	Plasmid-encoded hygromycin B resistance: the sequence of hygromycin B phosphotransferase gene and its expression in <i>Escherichia coli</i> and <i>Saccharomyces cerevisiae</i> . Gene, 1983, 25, 179-188.	1.0	870
102	Expression of a transposable antibiotic resistance element in <i>Saccharomyces</i> . Nature, 1980, 287, 869-871.	13.7	450
103	Characterization of the plasmids comprising the $\phi$ R Factor R5 and their relationships to other R plasmids. Plasmid, 1980, 3, 260-277.	0.4	20
104	A New Selective Agent for Eukaryotic Cloning Vectors. American Journal of Tropical Medicine and Hygiene, 1980, 29, 1089-1092.	0.6	123
105	A Mutant of <i>Saccharomyces cerevisiae</i> that Possesses Unusual Ribosomes. Biochemical Society Transactions, 1979, 7, 668-670.	1.6	1
106	General Mechanisms of Antimicrobial Resistance. Clinical Infectious Diseases, 1979, 1, 23-27.	2.9	39
107	A cold-sensitive mutant of <i>Saccharomyces cerevisiae</i> defective in ribosome processing. Molecular Genetics and Genomics, 1979, 175, 313-323.	2.4	16
108	Phenotypic suppression and misreading in <i>Saccharomyces cerevisiae</i> . Nature, 1979, 277, 146-148.	13.7	261

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109	Effects of Apramycin, a Novel Aminoglycoside Antibiotic on Bacterial Protein Synthesis. FEBS Journal, 1979, 99, 623-628.	0.2	51
110	Aminoglycoside-Inactivating Enzymes in Clinical Isolates of Streptococcus Faecalis. Journal of Clinical Investigation, 1978, 62, 480-486.	3.9	102
111	Plasmid-Mediated Aminoglycoside Phosphotransferase of Broad Substrate Range That Phosphorylates Amikacin. Antimicrobial Agents and Chemotherapy, 1977, 11, 619-624.	1.4	70
112	Mechanisms of resistance to aminoglycosides. American Journal of Medicine, 1977, 62, 868-872.	0.6	62
113	Methylation of proteins in 60 S ribosomal subunits from Saccharomyces cerevisiae. FEBS Letters, 1977, 75, 187-191.	1.3	30
114	What Is the Mechanism of Plasmid-Determined Resistance to Aminoglycoside Antibiotics?. Topics in Infectious Diseases, 1977, , 207-219.	0.6	16
115	In vivo and in vitro phosphorylation of ribosomal proteins by protein kinases from Saccharomyces cerevisiae. Biochemistry, 1976, 15, 2289-2296.	1.2	33
116	Chapter 2 Inhibitors of Macromolecular Synthesis in Yeast. Methods in Cell Biology, 1975, 12, 17-38.	0.5	32
117	Trichodermin resistanceâ€”mutation affecting eukaryotic ribosomes. Nature, 1974, 248, 535-536.	13.7	76
118	Enzymatic Acetylation as a Means of Determining Serum Aminoglycoside Concentrations. Antimicrobial Agents and Chemotherapy, 1973, 4, 497-499.	1.4	75
119	Chapter 20. Mechanisms of Resistance to Antibiotics. Annual Reports in Medicinal Chemistry, 1972, 7, 217-227.	0.5	4
120	Gentamicin resistance in strains of Pseudomonas aeruginosa mediated by enzymic N-acetylation of the deoxystreptamine moiety. Biochemistry, 1972, 11, 761-766.	1.2	115
121	Enzymic acetylation of aminoglycoside antibiotics by Escherichia coli carrying an R factor. Biochemistry, 1971, 10, 1787-1796.	1.2	168
122	R-factor mediated gentamicin resistance: A new enzyme which modifies aminoglycoside antibiotics. FEBS Letters, 1971, 14, 293-296.	1.3	136
123	Errors in Translation. Progress in Molecular and Subcellular Biology, 1969, , 47-81.	0.9	8
124	Enzymatic Inactivation of Streptomycin by R Factor-resistant Escherichia coli. Nature, 1968, 219, 288-291.	13.7	121
125	Genetic mapping of the regulator and operator genes of the lac operon. Journal of Molecular Biology, 1968, 36, 413-417.	2.0	129
126	Effect of spectinomycin on polypeptide synthesis in extracts of Escherichia coli. Journal of Molecular Biology, 1967, 29, 203-215.	2.0	83



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127	Antibiotics and Antibiotic Resistance in Mycobacteria. , 0, , 287-306.		2
128	Production of bleomycin N-acetyltransferase in Escherichia coli and Streptomyces verticillus. , 0, .		2
129	A New Look at Secondary Metabolites. , 0, , 307-322.		4
130	Structures and Properties of Ribotoxins. , 0, , 451-460.		0
131	From Party-Going Chemist to Worldly Microbiologist. , 0, , 66-70.		0
132	Antibiotic Resistance in and from Nature. , 0, , 183-194.		1