

Nigel J Saunders

List of Publications by Year in descending order

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90
papers

8,065
citations

76326

40
h-index

54911

84
g-index

91
all docs

91
docs citations

91
times ranked

8911
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of Vaccine Candidates Against Serogroup B Meningococcus by Whole-Genome Sequencing. <i>Science</i> , 2000, 287, 1816-1820.	12.6	1,258
2	Complete Genome Sequence of <i>Neisseria meningitidis</i> Serogroup B Strain MC58. <i>Science</i> , 2000, 287, 1809-1815.	12.6	1,083
3	CD4+CD25+ TR Cells Suppress Innate Immune Pathology Through Cytokine-dependent Mechanisms. <i>Journal of Experimental Medicine</i> , 2003, 197, 111-119.	8.5	683
4	GLK Transcription Factors Coordinate Expression of the Photosynthetic Apparatus in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2009, 21, 1109-1128.	6.6	525
5	Repeat-associated phase variable genes in the complete genome sequence of <i>Neisseria meningitidis</i> strain MC58. <i>Molecular Microbiology</i> , 2000, 37, 207-215.	2.5	231
6	ERF5 and ERF6 Play Redundant Roles as Positive Regulators of JA/Et-Mediated Defense against <i>Botrytis cinerea</i> in <i>Arabidopsis</i> . <i>PLoS ONE</i> , 2012, 7, e35995.	2.5	225
7	Simple sequence repeats in the <i>Helicobacter pylori</i> genome. <i>Molecular Microbiology</i> , 1998, 27, 1091-1098.	2.5	203
8	On the Origin of the Treponematoses: A Phylogenetic Approach. <i>PLoS Neglected Tropical Diseases</i> , 2008, 2, e148.	3.0	182
9	Two-Step Assembly Dynamics of the <i>Bacillus subtilis</i> Divisome. <i>Journal of Bacteriology</i> , 2009, 191, 4186-4194.	2.2	172
10	Meningococcal Genetic Variation Mechanisms Viewed through Comparative Analysis of Serogroup C Strain FAM18. <i>PLoS Genetics</i> , 2007, 3, e23.	3.5	167
11	The length of a tetranucleotide repeat tract in <i>Haemophilus influenzae</i> determines the phase variation rate of a gene with homology to type III DNA methyltransferases. <i>Molecular Microbiology</i> , 2000, 35, 211-222.	2.5	164
12	Expression of microRNAs in diffuse large B cell lymphoma is associated with immunophenotype, survival and transformation from follicular lymphoma. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 1248-1260.	3.6	154
13	Comparative whole-genome analyses reveal over 100 putative phase-variable genes in the pathogenic <i>Neisseria</i> spp.. <i>Microbiology (United Kingdom)</i> , 2001, 147, 2321-2332.	1.8	134
14	MicroRNA expression in SÄ@zary syndrome: identification, function, and diagnostic potential. <i>Blood</i> , 2010, 116, 1105-1113.	1.4	131
15	Defects in lamin B1 expression or processing affect interphase chromosome position and gene expression. <i>Journal of Cell Biology</i> , 2007, 176, 593-603.	5.2	129
16	Why monitor peak vancomycin concentrations?. <i>Lancet, The</i> , 1994, 344, 1748-1750.	13.7	102
17	The majority of genes in the pathogenic <i>Neisseria</i> species are present in non-pathogenic <i>Neisseria lactamica</i> , including those designated as 'virulence genes'. <i>BMC Genomics</i> , 2006, 7, 128.	2.8	100
18	Species status of <i>Neisseria gonorrhoeae</i> : evolutionary and epidemiological inferences from multilocus sequence typing. <i>BMC Biology</i> , 2007, 5, 35.	3.8	95

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19	miRNA expression profiling of mycosis fungoides. <i>Molecular Oncology</i> , 2011, 5, 273-280.	4.6	91
20	MicroRNA expression in lymphocyte development and malignancy. <i>Leukemia</i> , 2008, 22, 1440-1446.	7.2	87
21	MicroRNA expression in multiple myeloma is associated with genetic subtype, isotype and survival. <i>Biology Direct</i> , 2011, 6, 23.	4.6	87
22	Induction of Regulatory T Cells and Dominant Tolerance by Dendritic Cells Incapable of Full Activation. <i>Journal of Immunology</i> , 2007, 179, 967-976.	0.8	86
23	Transcriptomic Analysis Reveals Calcium Regulation of Specific Promoter Motifs in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2011, 23, 4079-4095.	6.6	86
24	The diversity within an expanded and redefined repertoire of phase-variable genes in <i>Helicobacter pylori</i> . <i>Microbiology (United Kingdom)</i> , 2004, 150, 817-830.	1.8	85
25	Coordinated Regulation of the <i>Neisseria gonorrhoeae</i> -truncated Denitrification Pathway by the Nitric Oxide-sensitive Repressor, NsrR, and Nitrite-insensitive NarQ-NarP. <i>Journal of Biological Chemistry</i> , 2006, 281, 33115-33126.	3.4	80
26	The structure of CrgA from <i>Neisseria meningitidis</i> reveals a new octameric assembly state for LysR transcriptional regulators. <i>Nucleic Acids Research</i> , 2009, 37, 4545-4558.	14.5	64
27	Genome Analysis and Strain Comparison of <i>Correia</i> Repeats and <i>Correia</i> Repeat-Enclosed Elements in Pathogenic <i>Neisseria</i> . <i>Journal of Bacteriology</i> , 2002, 184, 6163-6173.	2.2	59
28	Differential expression of microRNAs in Marek's disease virus-transformed T-lymphoma cell lines. <i>Journal of General Virology</i> , 2009, 90, 1551-1559.	2.9	59
29	MS4A4B Is a GITR-Associated Membrane Adapter, Expressed by Regulatory T Cells, Which Modulates T Cell Activation. <i>Journal of Immunology</i> , 2009, 183, 4197-4204.	0.8	58
30	An oncogenic role of eIF3e/INT6 in human breast cancer. <i>Oncogene</i> , 2010, 29, 4080-4089.	5.9	53
31	Deep resequencing of serial sputum isolates of <i>Mycobacterium tuberculosis</i> during therapeutic failure due to poor compliance reveals stepwise mutation of key resistance genes on an otherwise stable genetic background. <i>Journal of Infection</i> , 2011, 62, 212-217.	3.3	52
32	Complete and variant forms of the "gonococcal genetic island"™ in <i>Neisseria meningitidis</i> . <i>Microbiology (United Kingdom)</i> , 2005, 151, 4005-4013.	1.8	51
33	Sequence-based analysis of pQBR103; a representative of a unique, transfer-proficient mega plasmid resident in the microbial community of sugar beet. <i>ISME Journal</i> , 2007, 1, 331-340.	9.8	50
34	The nuclear envelope can control gene expression and cell cycle progression via miRNA regulation. <i>Cell Cycle</i> , 2010, 9, 531-539.	2.6	49
35	The Consequences of Replicating in the Wrong Orientation: Bacterial Chromosome Duplication without an Active Replication Origin. <i>MBio</i> , 2015, 6, e01294-15.	4.1	49
36	Mutation rates: estimating phase variation rates when fitness differences are present and their impact on population structure. <i>Microbiology (United Kingdom)</i> , 2003, 149, 485-495.	1.8	48

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37	Strain-specific differences in <i>Neisseria gonorrhoeae</i> associated with the phase variable gene repertoire. <i>BMC Microbiology</i> , 2005, 5, 21.	3.3	47
38	Primary cutaneous anaplastic large cell lymphoma shows a distinct miRNA expression profile and reveals differences from tumor-stage mycosis fungoides. <i>Experimental Dermatology</i> , 2012, 21, 632-634.	2.9	47
39	Comparative overview of the genomic and genetic differences between the pathogenic <i>Neisseria</i> strains and species. <i>Plasmid</i> , 2005, 54, 191-218.	1.4	44
40	Phase variation mediated niche adaptation during prolonged experimental murine infection with <i>Helicobacter pylori</i> . <i>Microbiology (United Kingdom)</i> , 2005, 151, 917-923.	1.8	43
41	The small FNR regulon of <i>Neisseria gonorrhoeae</i> : comparison with the larger <i>Escherichia coli</i> FNR regulon and interaction with the NarQ-NarP regulon. <i>BMC Genomics</i> , 2007, 8, 35.	2.8	42
42	Bacterial virulence factors in neonatal sepsis: group B streptococcus. <i>Current Opinion in Infectious Diseases</i> , 2004, 17, 225-229.	3.1	41
43	Diversity in coding tandem repeats in related <i>Neisseria</i> spp. <i>BMC Microbiology</i> , 2003, 3, 23.	3.3	39
44	Adaptation by Phase Variation in Pathogenic Bacteria. <i>Advances in Applied Microbiology</i> , 2003, 52, 263-301.	2.4	39
45	Comparison of the RpoH-Dependent Regulon and General Stress Response in <i>Neisseria gonorrhoeae</i> . <i>Journal of Bacteriology</i> , 2006, 188, 4769-4776.	2.2	38
46	The Structure and Transcriptional Analysis of a Global Regulator from <i>Neisseria meningitidis</i> . <i>Journal of Biological Chemistry</i> , 2007, 282, 14655-14664.	3.4	38
47	Divergence and transcriptional analysis of the division cell wall (dcw) gene cluster in <i>Neisseria</i> spp.. <i>Molecular Microbiology</i> , 2003, 47, 431-442.	2.5	35
48	Ecf, an Alternative Sigma Factor from <i>Neisseria gonorrhoeae</i> , Controls Expression of <i>msrAB</i> , Which Encodes Methionine Sulfoxide Reductase. <i>Journal of Bacteriology</i> , 2006, 188, 3463-3469.	2.2	35
49	The ϵ -subunit of the heterotrimeric G-protein affects jasmonate responses in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2009, 60, 1991-2003.	4.8	35
50	Microarray genotyping of key experimental strains of <i>Neisseria gonorrhoeae</i> reveals gene complement diversity and five new neisserial genes associated with Minimal Mobile Elements.. <i>BMC Genomics</i> , 2004, 5, 23.	2.8	33
51	The minimal mobile element. <i>Microbiology (United Kingdom)</i> , 2002, 148, 3756-3760.	1.8	33
52	Genetic islands of <i>Streptococcus agalactiae</i> strains NEM316 and 2603VR and their presence in other Group B streptococcal strains. <i>BMC Microbiology</i> , 2005, 5, 31.	3.3	31
53	The Repertoire of Minimal Mobile Elements in the <i>Neisseria</i> Species and Evidence That These Are Involved in Horizontal Gene Transfer in Other Bacteria. <i>Molecular Biology and Evolution</i> , 2007, 24, 2802-2815.	8.9	31
54	Host Iron Binding Proteins Acting as Niche Indicators for <i>Neisseria meningitidis</i> . <i>PLoS ONE</i> , 2009, 4, e5198.	2.5	29

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55	Analysis of leukocyte membrane protein interactions using protein microarrays. BMC Biochemistry, 2005, 6, 2.	4.4	28
56	Absence in <i>Helicobacter pylori</i> of an uptake sequence for enhancing uptake of homospecific DNA during transformation. Microbiology (United Kingdom), 1999, 145, 3523-3528.	1.8	28
57	A Putatively Phase Variable Gene (<i>dca</i>) Required for Natural Competence in <i>Neisseria gonorrhoeae</i> but Not <i>Neisseria meningitidis</i> Is Located within the Division Cell Wall (<i>dcw</i>) Gene Cluster. Journal of Bacteriology, 2001, 183, 1233-1241.	2.2	27
58	Inter-species horizontal transfer resulting in core-genome and niche-adaptive variation within <i>Helicobacter pylori</i> . BMC Genomics, 2005, 6, 9.	2.8	27
59	Characterization of the nodulation plasmid encoded chemoreceptor gene <i>mcpG</i> from <i>Rhizobium leguminosarum</i> . BMC Microbiology, 2003, 3, 1.	3.3	24
60	<i>Neisseria meningitidis</i> Lacking the Major Porins <i>PorA</i> and <i>PorB</i> Is Viable and Modulates Apoptosis and the Oxidative Burst of Neutrophils. Journal of Proteome Research, 2016, 15, 2356-2365.	3.7	24
61	Implications of sequencing bacterial genomes for pathogenesis and vaccine development. Current Opinion in Biotechnology, 1998, 9, 618-623.	6.6	23
62	Bacterial evolution:. Current Biology, 1999, 9, R180-R183.	3.9	23
63	Crystal structure of nitrogen regulatory protein <i>IANtr</i> from <i>Neisseria meningitidis</i> . BMC Structural Biology, 2005, 5, 13.	2.3	23
64	The structure of a reduced form of <i>OxyR</i> from <i>Neisseria meningitidis</i> . BMC Structural Biology, 2010, 10, 10.	2.3	22
65	A role for <i>BELLRINGER</i> in cell wall development is supported by loss-of-function phenotypes. BMC Plant Biology, 2012, 12, 212.	3.6	21
66	Genome Sequence of <i>Rhodobacter sphaeroides</i> Strain WS8N. Journal of Bacteriology, 2011, 193, 4027-4028.	2.2	19
67	Assay of vancomycin by fluorescence polarisation immunoassay and EMIT in patients with renal failure. Journal of Antimicrobial Chemotherapy, 1995, 36, 411-415.	3.0	17
68	Tolerogenicity is not an absolute property of a dendritic cell. European Journal of Immunology, 2010, 40, 1728-1737.	2.9	17
69	Crystallization and preliminary X-ray analysis of <i>CrgA</i> , a LysR-type transcriptional regulator from pathogenic <i>Neisseria meningitidis</i> MC58. Acta Crystallographica Section F: Structural Biology Communications, 2008, 64, 797-801.	0.7	16
70	The human myometrium differentially expresses mTOR signalling components before and during pregnancy: Evidence for regulation by progesterone. Journal of Steroid Biochemistry and Molecular Biology, 2014, 139, 166-172.	2.5	14
71	Structure of the PII signal transduction protein of <i>Neisseria meningitidis</i> at 1.85 Å resolution. Acta Crystallographica Section F: Structural Biology Communications, 2006, 62, 494-497.	0.7	12
72	Population-associated differences between the phase variable LPS biosynthetic genes of <i>Helicobacter pylori</i> . BMC Microbiology, 2006, 6, 79.	3.3	11

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73	An in silico evaluation of Tn916 as a tool for generalized mutagenesis in <i>Haemophilus influenzae</i> Rd. <i>Microbiology</i> (United Kingdom), 1998, 144, 2525-2530.	1.8	11
74	Trough-only monitoring of serum vancomycin concentrations in neonates. <i>Journal of Antimicrobial Chemotherapy</i> , 1998, 41, 141-142.	3.0	9
75	Structure of the cold-shock domain protein from <i>Neisseria meningitidis</i> reveals a strand-exchanged dimer. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2008, 64, 247-251.	0.7	9
76	The structure of NMB1585, a MarR-family regulator from <i>Neisseria meningitidis</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009, 65, 204-209.	0.7	9
77	A prospective laboratory-based audit of gentamicin use and therapeutic monitoring. <i>Journal of Antimicrobial Chemotherapy</i> , 1995, 36, 729-736.	3.0	8
78	A Promyelocytic Leukemia Protein- α Thrombospondin-2 Axis and the Risk of Relapse in Neuroblastoma. <i>Clinical Cancer Research</i> , 2016, 22, 3398-3409.	7.0	8
79	Evasion of antibody responses: Bacterial phase variation. , 2003, , 103-124.		6
80	The crystal structure of NGO0477 from <i>Neisseria gonorrhoeae</i> reveals a novel protein fold incorporating a helix-turn-helix motif. <i>Proteins: Structure, Function and Bioinformatics</i> , 2010, 78, 1798-1802.	2.6	5
81	The Use of the Pan- <i>Neisseria</i> Microarray and Experimental Design for Transcriptomics Studies of <i>Neisseria</i> . <i>Methods in Molecular Biology</i> , 2012, 799, 295-317.	0.9	4
82	The spectrum of hepatitis C antibody positive disease in a teaching hospital. <i>Journal of Infection</i> , 1995, 30, 115-119.	3.3	3
83	The Use of Complete Genome Sequences in Vaccine Design. , 2003, 87, 301-312.		2
84	A study of the interaction between recombinant bactericidal permeability increasing protein (rBPI23) and gentamicin. <i>International Journal of Antimicrobial Agents</i> , 1995, 5, 259-263.	2.5	1
85	High rates of phase variation in <i>Campylobacter jejuni</i> . <i>Molecular Microbiology</i> , 2002, 36, 1504-1505.	2.5	1
86	Structure of the regulatory domain of the LysR family regulator NMB2055 (MetR-like protein) from <i>Neisseria meningitidis</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 730-737.	0.7	1
87	Genome Sequencing and Annotation. , 2001, 67, 215-230.		0
88	To the Editors of <i>Biometrics</i> :. <i>Biometrics</i> , 2004, 60, 1053-1054.	1.4	0
89	The neisserial genomes: what they reveal about the diversity and behavior of these species. , 2005, , .		0
90	<i>Neisseria</i> : a Postgenomic View. , 0, , 90-119.		0