Nigel J Saunders

List of Publications by Citations

89 papers	6,924 citations	37 h-index	83 g-index
91 ext. papers	7,609 ext. citations	6.8 avg, IF	5.11 L-index

#	Paper	IF	Citations
89	Identification of vaccine candidates against serogroup B meningococcus by whole-genome sequencing. *Science*, **2000**, 287, 1816-20	33.3	1084
88	Complete genome sequence of Neisseria meningitidis serogroup B strain MC58. *Science*, **2000**, 287, 1809-15	33.3	986
87	CD4+CD25+ T(R) cells suppress innate immune pathology through cytokine-dependent mechanisms. *Journal of Experimental Medicine*, **2003**, 197, 111-9	16.6	628
86	GLK transcription factors coordinate expression of the photosynthetic apparatus in Arabidopsis. *Plant Cell*, **2009**, 21, 1109-28	11.6	358
85	Repeat-associated phase variable genes in the complete genome sequence of Neisseria meningitidis strain MC58. *Molecular Microbiology*, **2000**, 37, 207-15	4.1	212
84	Simple sequence repeats in the Helicobacter pylori genome. *Molecular Microbiology*, **1998**, 27, 1091-8	4.1	190
83	ERF5 and ERF6 play redundant roles as positive regulators of JA/Et-mediated defense against Botrytis cinerea in Arabidopsis. *PLoS ONE*, **2012**, 7, e35995	3.7	167
82	Meningococcal genetic variation mechanisms viewed through comparative analysis of serogroup C strain FAM18. *PLoS Genetics*, **2007**, 3, e23	6	156
81	The length of a tetranucleotide repeat tract in Haemophilus influenzae determines the phase variation rate of a gene with homology to type III DNA methyltransferases. *Molecular Microbiology*, **2000**, 35, 211-22	4.1	148
80	Two-step assembly dynamics of the Bacillus subtilis divisome. *Journal of Bacteriology*, **2009**, 191, 4186-94	3.5	137
79	Expression of microRNAs in diffuse large B cell lymphoma is associated with immunophenotype, survival and transformation from follicular lymphoma. *Journal of Cellular and Molecular Medicine*, **2009**, 13, 1248-60	5.6	132
78	On the origin of the treponematoses: a phylogenetic approach. *PLoS Neglected Tropical Diseases*, **2008**, 2, e148	4.8	120
77	Defects in lamin B1 expression or processing affect interphase chromosome position and gene expression. *Journal of Cell Biology*, **2007**, 176, 593-603	7.3	119
76	Comparative whole-genome analyses reveal over 100 putative phase-variable genes in the pathogenic Neisseria spp. *Microbiology (United Kingdom)*, **2001**, 147, 2321-2332	2.9	119
75	MicroRNA expression in Sezary syndrome: identification, function, and diagnostic potential. *Blood*, **2010**, 116, 1105-13	2.2	117
74	Why monitor peak vancomycin concentrations?. *Lancet, The*, **1994**, 344, 1748-50	40	90
73	The majority of genes in the pathogenic Neisseria species are present in non-pathogenic Neisseria lactamica, including those designated as Qirulence genesQ*BMC Genomics*, **2006**, 7, 128	4.5	88

72	Induction of regulatory T cells and dominant tolerance by dendritic cells incapable of full activation. *Journal of Immunology*, **2007**, 179, 967-76	5.3	82
71	miRNA expression profiling of mycosis fungoides. *Molecular Oncology*, **2011**, 5, 273-80	7.9	79
70	The diversity within an expanded and redefined repertoire of phase-variable genes in Helicobacter pylori. *Microbiology (United Kingdom)*, **2004**, 150, 817-830	2.9	77
69	MicroRNA expression in lymphocyte development and malignancy. *Leukemia*, **2008**, 22, 1440-6	10.7	76
68	Species status of Neisseria gonorrhoeae: evolutionary and epidemiological inferences from multilocus sequence typing. *BMC Biology*, **2007**, 5, 35	7.3	76
67	MicroRNA expression in multiple myeloma is associated with genetic subtype, isotype and survival. *Biology Direct*, **2011**, 6, 23	7.2	74
66	Coordinated regulation of the Neisseria gonorrhoeae-truncated denitrification pathway by the nitric oxide-sensitive repressor, NsrR, and nitrite-insensitive NarQ-NarP. *Journal of Biological Chemistry*, **2006**, 281, 33115-26	5.4	72
65	Transcriptomic analysis reveals calcium regulation of specific promoter motifs in Arabidopsis. *Plant Cell*, **2011**, 23, 4079-95	11.6	71
64	Differential expression of microRNAs in Marek's disease virus-transformed T-lymphoma cell lines. *Journal of General Virology*, **2009**, 90, 1551-1559	4.9	54
63	Genome analysis and strain comparison of correia repeats and correia repeat-enclosed elements in pathogenic Neisseria. *Journal of Bacteriology*, **2002**, 184, 6163-73	3.5	52
62	The structure of CrgA from Neisseria meningitidis reveals a new octameric assembly state for LysR transcriptional regulators. *Nucleic Acids Research*, **2009**, 37, 4545-58	20.1	51
61	Complete and variant forms of the 'gonococcal genetic island' in Neisseria meningitidis. *Microbiology (United Kingdom)*, **2005**, 151, 4005-4013	2.9	47
60	Mutation rates: estimating phase variation rates when fitness differences are present and their impact on population structure. *Microbiology (United Kingdom)*, **2003**, 149, 485-495	2.9	44
59	The nuclear envelope can control gene expression and cell cycle progression via miRNA regulation. *Cell Cycle*, **2010**, 9, 531-9	4.7	43
58	MS4A4B is a GITR-associated membrane adapter, expressed by regulatory T cells, which modulates T cell activation. *Journal of Immunology*, **2009**, 183, 4197-204	5.3	43
57	Deep resequencing of serial sputum isolates of Mycobacterium tuberculosis during therapeutic failure due to poor compliance reveals stepwise mutation of key resistance genes on an otherwise stable genetic background. *Journal of Infection*, **2011**, 62, 212-7	18.9	43
56	Strain-specific differences in Neisseria gonorrhoeae associated with the phase variable gene repertoire. *BMC Microbiology*, **2005**, 5, 21	4.5	42
55	An oncogenic role of eIF3e/INT6 in human breast cancer. *Oncogene*, **2010**, 29, 4080-9	9.2	41

54	Primary cutaneous anaplastic large cell lymphoma shows a distinct miRNA expression profile and reveals differences from tumor-stage mycosis fungoides. *Experimental Dermatology*, **2012**, 21, 632-4	4	39
53	Comparative overview of the genomic and genetic differences between the pathogenic Neisseria strains and species. *Plasmid*, **2005**, 54, 191-218	3.3	39
52	The Consequences of Replicating in the Wrong Orientation: Bacterial Chromosome Duplication without an Active Replication Origin. *MBio*, **2015**, 6, e01294-15	7.8	37
51	Sequence-based analysis of pQBR103; a representative of a unique, transfer-proficient mega plasmid resident in the microbial community of sugar beet. *ISME Journal*, **2007**, 1, 331-40	11.9	37
50	Diversity in coding tandem repeats in related Neisseria spp. *BMC Microbiology*, **2003**, 3, 23	4.5	37
49	Phase variation mediated niche adaptation during prolonged experimental murine infection with Helicobacter pylori. *Microbiology (United Kingdom)*, **2005**, 151, 917-923	2.9	37
48	The alpha-subunit of the heterotrimeric G-protein affects jasmonate responses in Arabidopsis thaliana. *Journal of Experimental Botany*, **2009**, 60, 1991-2003	7	34
47	The small FNR regulon of Neisseria gonorrhoeae: comparison with the larger Escherichia coli FNR regulon and interaction with the NarQ-NarP regulon. *BMC Genomics*, **2007**, 8, 35	4.5	34
46	The structure and transcriptional analysis of a global regulator from Neisseria meningitidis. *Journal of Biological Chemistry*, **2007**, 282, 14655-64	5.4	33
45	Ecf, an alternative sigma factor from Neisseria gonorrhoeae, controls expression of msrAB, which encodes methionine sulfoxide reductase. *Journal of Bacteriology*, **2006**, 188, 3463-9	3.5	32
44	Divergence and transcriptional analysis of the division cell wall (dcw) gene cluster in Neisseria spp. *Molecular Microbiology*, **2003**, 47, 431-42	4.1	31
43	Bacterial virulence factors in neonatal sepsis: group B streptococcus. *Current Opinion in Infectious Diseases*, **2004**, 17, 225-9	5.4	31
42	Adaptation by phase variation in pathogenic bacteria. *Advances in Applied Microbiology*, **2003**, 52, 263-301	4.9	30
41	Microarray genomotyping of key experimental strains of Neisseria gonorrhoeae reveals gene complement diversity and five new neisserial genes associated with Minimal Mobile Elements. *BMC Genomics*, **2004**, 5, 23	4.5	29
40	The minimal mobile element. *Microbiology (United Kingdom)*, **2002**, 148, 3756-3760	2.9	29
39	Host iron binding proteins acting as niche indicators for Neisseria meningitidis. *PLoS ONE*, **2009**, 4, e5198	3.7	27
38	The repertoire of minimal mobile elements in the Neisseria species and evidence that these are involved in horizontal gene transfer in other bacteria. *Molecular Biology and Evolution*, **2007**, 24, 2802-15	8.3	27
37	Analysis of leukocyte membrane protein interactions using protein microarrays. *BMC Biochemistry*, **2005**, 6, 2	4.8	27

36	Comparison of the RpoH-dependent regulon and general stress response in Neisseria gonorrhoeae. *Journal of Bacteriology*, **2006**, 188, 4769-76	3.5	25
35	Genetic islands of Streptococcus agalactiae strains NEM316 and 2603VR and their presence in other Group B streptococcal strains. *BMC Microbiology*, **2005**, 5, 31	4.5	25
34	A putatively phase variable gene (dca) required for natural competence in Neisseria gonorrhoeae but not Neisseria meningitidis is located within the division cell wall (dcw) gene cluster. *Journal of Bacteriology*, **2001**, 183, 1233-41	3.5	24
33	Absence in Helicobacter pylori of an uptake sequence for enhancing uptake of homospecific DNA during transformation. *Microbiology (United Kingdom)*, **1999**, 145 (Pt 12), 3523-3528	2.9	24
32	Inter-species horizontal transfer resulting in core-genome and niche-adaptive variation within Helicobacter pylori. *BMC Genomics*, **2005**, 6, 9	4.5	23
31	Implications of sequencing bacterial genomes for pathogenesis and vaccine development. *Current Opinion in Biotechnology*, **1998**, 9, 618-23	11.4	22
30	Bacterial evolution: bacteria play pass the gene. *Current Biology*, **1999**, 9, R180-3	6.3	21
29	A role for BELLRINGER in cell wall development is supported by loss-of-function phenotypes. *BMC Plant Biology*, **2012**, 12, 212	5.3	20
28	Crystal structure of nitrogen regulatory protein IIANtr from Neisseria meningitidis. *BMC Structural Biology*, **2005**, 5, 13	2.7	20
27	The structure of a reduced form of OxyR from Neisseria meningitidis. *BMC Structural Biology*, **2010**, 10, 10	2.7	19
26	Tolerogenicity is not an absolute property of a dendritic cell. *European Journal of Immunology*, **2010** , 40, 1728-37	6.1	17
25	Characterization of the nodulation plasmid encoded chemoreceptor gene mcpG from Rhizobium leguminosarum. *BMC Microbiology*, **2003**, 3, 1	4.5	17
24	Neisseria meningitidis Lacking the Major Porins PorA and PorB Is Viable and Modulates Apoptosis and the Oxidative Burst of Neutrophils. *Journal of Proteome Research*, **2016**, 15, 2356-65	5.6	16
23	Assay of vancomycin by fluorescence polarisation immunoassay and EMIT in patients with renal failure. *Journal of Antimicrobial Chemotherapy*, **1995**, 36, 411-5	5.1	16
22	Genome sequence of Rhodobacter sphaeroides Strain WS8N. *Journal of Bacteriology*, **2011**, 193, 4027-8	3.5	14
21	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, 166-72	5.1	13
20	Structure of the PII signal transduction protein of Neisseria meningitidis at 1.85 A resolution. *Acta Crystallographica Section F: Structural Biology Communications*, **2006**, 62, 494-7		12
19	Crystallization and preliminary X-ray analysis of CrgA, a LysR-type transcriptional regulator from pathogenic Neisseria meningitidis MC58. *Acta Crystallographica Section F: Structural Biology Communications*, **2008**, 64, 797-801		11

18	An in silico evaluation of Tn916 as a tool for generalized mutagenesis in Haemophilus influenzae Rd. *Microbiology (United Kingdom)*, **1998**, 144 (Pt 9), 2525-2530	2.9	11
17	The structure of NMB1585, a MarR-family regulator from Neisseria meningitidis. *Acta Crystallographica Section F: Structural Biology Communications*, **2009**, 65, 204-9		9
16	Structure of the cold-shock domain protein from Neisseria meningitidis reveals a strand-exchanged dimer. *Acta Crystallographica Section F: Structural Biology Communications*, **2008**, 64, 247-51		8
15	Population-associated differences between the phase variable LPS biosynthetic genes of Helicobacter pylori. *BMC Microbiology*, **2006**, 6, 79	4.5	7
14	Trough-only monitoring of serum vancomycin concentrations in neonates. *Journal of Antimicrobial Chemotherapy*, **1998**, 41, 141-2	5.1	7
13	A prospective laboratory-based audit of gentamicin use and therapeutic monitoring. *Journal of Antimicrobial Chemotherapy*, **1995**, 36, 729-36	5.1	7
12	A Promyelocytic Leukemia Protein-Thrombospondin-2 Axis and the Risk of Relapse in Neuroblastoma. *Clinical Cancer Research*, **2016**, 22, 3398-409	12.9	6
11	The crystal structure of NGO0477 from Neisseria gonorrhoeae reveals a novel protein fold incorporating a helix-turn-helix motif. *Proteins: Structure, Function and Bioinformatics*, **2010**, 78, 1798-802	4.2	5
10	Evasion of antibody responses: Bacterial phase variation **2003**, 103-124		5
9	The use of the pan-Neisseria microarray and experimental design for transcriptomics studies of Neisseria. *Methods in Molecular Biology*, **2012**, 799, 295-317	1.4	4
8	The spectrum of hepatitis C antibody positive disease in a teaching hospital. *Journal of Infection*, **1995**, 30, 115-9	18.9	3
7	The use of complete genome sequences in vaccine design. *Methods in Molecular Medicine*, **2003**, 87, 301-12		2
6	Structure of the regulatory domain of the LysR family regulator NMB2055 (MetR-like protein) from Neisseria meningitidis. *Acta Crystallographica Section F: Structural Biology Communications*, **2012**, 68, 730-7		1
5	High rates of phase variation in Campylobacter jejuni?. *Molecular Microbiology*, **2000**, 36, 1504	4.1	1
4	A study of the interaction between recombinant bactericidal permeability increasing protein (rBPI(23)) and gentamicin. *International Journal of Antimicrobial Agents*, **1995**, 5, 259-63	14.3	1
3	Estimation of mutation rates. *Biometrics*, **2004**, 60, 1053-4; reply 1054-5	1.8	
2	Genome sequencing and annotation. *Methods in Molecular Medicine*, **2001**, 67, 215-30		
1	Neisseria: a Postgenomic View90-119		