

# Nigel J Saunders

## 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.

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 | <i>Neisseria meningitidis</i> Lacking the Major Porins PorA and PorB Is Viable and Modulates Apoptosis and the Oxidative Burst of Neutrophils. <i>Journal of Proteome Research</i> , <b>2016</b> , 15, 2356-65  | 5.6  | 16        |
| 88 | A Promyelocytic Leukemia Protein-Thrombospondin-2 Axis and the Risk of Relapse in Neuroblastoma. <i>Clinical Cancer Research</i> , <b>2016</b> , 22, 3398-409   | 12.9 | 6         |
| 87 | The Consequences of Replicating in the Wrong Orientation: Bacterial Chromosome Duplication without an Active Replication Origin. <i>MBio</i> , <b>2015</b> , 6, e01294-15   | 7.8  | 37        |
| 86 | The human myometrium differentially expresses mTOR signalling components before and during pregnancy: evidence for regulation by progesterone. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , <b>2014</b> , 139, 166-72   | 5.1  | 13        |
| 85 | Primary cutaneous anaplastic large cell lymphoma shows a distinct miRNA expression profile and reveals differences from tumor-stage mycosis fungoides. <i>Experimental Dermatology</i> , <b>2012</b> , 21, 632-4  | 4    | 39        |
| 84 | 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> , <b>2012</b> , 68, 730-7   |      | 1         |
| 83 | A role for BELLRINGER in cell wall development is supported by loss-of-function phenotypes. <i>BMC Plant Biology</i> , <b>2012</b> , 12, 212  | 5.3  | 20        |
| 82 | 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> , <b>2012</b> , 7, e35995   | 3.7  | 167       |
| 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> , <b>2012</b> , 799, 295-317  | 1.4  | 4         |
| 80 | miRNA expression profiling of mycosis fungoides. <i>Molecular Oncology</i> , <b>2011</b> , 5, 273-80  | 7.9  | 79        |
| 79 | Genome sequence of <i>Rhodobacter sphaeroides</i> Strain WS8N. <i>Journal of Bacteriology</i> , <b>2011</b> , 193, 4027-8   | 3.5  | 14        |
| 78 | MicroRNA expression in multiple myeloma is associated with genetic subtype, isotype and survival. <i>Biology Direct</i> , <b>2011</b> , 6, 23   | 7.2  | 74        |
| 77 | 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> , <b>2011</b> , 62, 212-7 | 18.9 | 43        |
| 76 | Transcriptomic analysis reveals calcium regulation of specific promoter motifs in <i>Arabidopsis</i> . <i>Plant Cell</i> , <b>2011</b> , 23, 4079-95  | 11.6 | 71        |
| 75 | An oncogenic role of eIF3e/INT6 in human breast cancer. <i>Oncogene</i> , <b>2010</b> , 29, 4080-9  | 9.2  | 41        |
| 74 | The nuclear envelope can control gene expression and cell cycle progression via miRNA regulation. <i>Cell Cycle</i> , <b>2010</b> , 9, 531-9  | 4.7  | 43        |
| 73 | MicroRNA expression in Sezary syndrome: identification, function, and diagnostic potential. <i>Blood</i> , <b>2010</b> , 116, 1105-13   | 2.2  | 117       |

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|----|--|------|-----|
| 72 | Tolerogenicity is not an absolute property of a dendritic cell. <i>European Journal of Immunology</i> , <b>2010</b> , 40, 1728-37  | 6.1  | 17  |
| 71 | The structure of a reduced form of OxyR from <i>Neisseria meningitidis</i> . <i>BMC Structural Biology</i> , <b>2010</b> , 10, 10  | 2.7  | 19  |
| 70 | 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> , <b>2010</b> , 78, 1798-802                             | 4.2  | 5   |
| 69 | Host iron binding proteins acting as niche indicators for <i>Neisseria meningitidis</i> . <i>PLoS ONE</i> , <b>2009</b> , 4, e5198   | 3.7  | 27  |
| 68 | GLK transcription factors coordinate expression of the photosynthetic apparatus in <i>Arabidopsis</i> . <i>Plant Cell</i> , <b>2009</b> , 21, 1109-28  | 11.6 | 358 |
| 67 | The structure of CrgA from <i>Neisseria meningitidis</i> reveals a new octameric assembly state for LysR transcriptional regulators. <i>Nucleic Acids Research</i> , <b>2009</b> , 37, 4545-58   | 20.1 | 51  |
| 66 | MS4A4B is a GITR-associated membrane adapter, expressed by regulatory T cells, which modulates T cell activation. <i>Journal of Immunology</i> , <b>2009</b> , 183, 4197-204   | 5.3  | 43  |
| 65 | Differential expression of microRNAs in Marek disease virus-transformed T-lymphoma cell lines. <i>Journal of General Virology</i> , <b>2009</b> , 90, 1551-1559  | 4.9  | 54  |
| 64 | The alpha-subunit of the heterotrimeric G-protein affects jasmonate responses in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , <b>2009</b> , 60, 1991-2003   | 7    | 34  |
| 63 | Two-step assembly dynamics of the <i>Bacillus subtilis</i> divisome. <i>Journal of Bacteriology</i> , <b>2009</b> , 191, 4186-94   | 9.5  | 137 |
| 62 | 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> , <b>2009</b> , 13, 1248-60                         | 5.6  | 132 |
| 61 | The structure of NMB1585, a MarR-family regulator from <i>Neisseria meningitidis</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2009</b> , 65, 204-9  |      | 9   |
| 60 | MicroRNA expression in lymphocyte development and malignancy. <i>Leukemia</i> , <b>2008</b> , 22, 1440-6   | 10.7 | 76  |
| 59 | On the origin of the treponematoses: a phylogenetic approach. <i>PLoS Neglected Tropical Diseases</i> , <b>2008</b> , 2, e148  | 4.8  | 120 |
| 58 | 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> , <b>2008</b> , 64, 247-51                                    |      | 8   |
| 57 | Crystallization and preliminary X-ray analysis of CrgA, a LysR-type transcriptional regulator from pathogenic <i>Neisseria meningitidis</i> MC58. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2008</b> , 64, 797-801 |      | 11  |
| 56 | Species status of <i>Neisseria gonorrhoeae</i> : evolutionary and epidemiological inferences from multilocus sequence typing. <i>BMC Biology</i> , <b>2007</b> , 5, 35   | 7.3  | 76  |
| 55 | 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> , <b>2007</b> , 8, 35   | 4.5  | 34  |

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|----|--|------|-----|
| 54 | The repertoire of minimal mobile elements in the Neisseria species and evidence that these are involved in horizontal gene transfer in other bacteria. <i>Molecular Biology and Evolution</i> , <b>2007</b> , 24, 2802-15                    | 8.3  | 27  |
| 53 | Induction of regulatory T cells and dominant tolerance by dendritic cells incapable of full activation. <i>Journal of Immunology</i> , <b>2007</b> , 179, 967-76   | 5.3  | 82  |
| 52 | The structure and transcriptional analysis of a global regulator from Neisseria meningitidis. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 14655-64   | 5.4  | 33  |
| 51 | Meningococcal genetic variation mechanisms viewed through comparative analysis of serogroup C strain FAM18. <i>PLoS Genetics</i> , <b>2007</b> , 3, e23  | 6    | 156 |
| 50 | Defects in lamin B1 expression or processing affect interphase chromosome position and gene expression. <i>Journal of Cell Biology</i> , <b>2007</b> , 176, 593-603  | 7.3  | 119 |
| 49 | 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> , <b>2007</b> , 1, 331-40  | 11.9 | 37  |
| 48 | The majority of genes in the pathogenic Neisseria species are present in non-pathogenic Neisseria lactamica, including those designated as Qirulence genes. <i>BMC Genomics</i> , <b>2006</b> , 7, 128                                       | 4.5  | 88  |
| 47 | Population-associated differences between the phase variable LPS biosynthetic genes of Helicobacter pylori. <i>BMC Microbiology</i> , <b>2006</b> , 6, 79  | 4.5  | 7   |
| 46 | Comparison of the RpoH-dependent regulon and general stress response in Neisseria gonorrhoeae. <i>Journal of Bacteriology</i> , <b>2006</b> , 188, 4769-76   | 3.5  | 25  |
| 45 | Ecf, an alternative sigma factor from Neisseria gonorrhoeae, controls expression of msrAB, which encodes methionine sulfoxide reductase. <i>Journal of Bacteriology</i> , <b>2006</b> , 188, 3463-9  | 3.5  | 32  |
| 44 | Coordinated regulation of the Neisseria gonorrhoeae-truncated denitrification pathway by the nitric oxide-sensitive repressor, NsrR, and nitrite-insensitive NarQ-NarP. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 33115-26 | 5.4  | 72  |
| 43 | Structure of the PII signal transduction protein of Neisseria meningitidis at 1.85 Å resolution. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2006</b> , 62, 494-7  |      | 12  |
| 42 | Comparative overview of the genomic and genetic differences between the pathogenic Neisseria strains and species. <i>Plasmid</i> , <b>2005</b> , 54, 191-218   | 3.3  | 39  |
| 41 | Inter-species horizontal transfer resulting in core-genome and niche-adaptive variation within Helicobacter pylori. <i>BMC Genomics</i> , <b>2005</b> , 6, 9   | 4.5  | 23  |
| 40 | Strain-specific differences in Neisseria gonorrhoeae associated with the phase variable gene repertoire. <i>BMC Microbiology</i> , <b>2005</b> , 5, 21   | 4.5  | 42  |
| 39 | Genetic islands of Streptococcus agalactiae strains NEM316 and 2603VR and their presence in other Group B streptococcal strains. <i>BMC Microbiology</i> , <b>2005</b> , 5, 31   | 4.5  | 25  |
| 38 | Analysis of leukocyte membrane protein interactions using protein microarrays. <i>BMC Biochemistry</i> , <b>2005</b> , 6, 2  | 4.8  | 27  |
| 37 | Crystal structure of nitrogen regulatory protein IANtr from Neisseria meningitidis. <i>BMC Structural Biology</i> , <b>2005</b> , 5, 13  | 2.7  | 20  |

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|----|---|------|-----|
| 36 | Phase variation mediated niche adaptation during prolonged experimental murine infection with <i>Helicobacter pylori</i> . <i>Microbiology (United Kingdom)</i> , <b>2005</b> , 151, 917-923  | 2.9  | 37  |
| 35 | Complete and variant forms of the gonococcal genetic island Qn <i>Neisseria meningitidis</i> . <i>Microbiology (United Kingdom)</i> , <b>2005</b> , 151, 4005-4013  | 2.9  | 47  |
| 34 | The diversity within an expanded and redefined repertoire of phase-variable genes in <i>Helicobacter pylori</i> . <i>Microbiology (United Kingdom)</i> , <b>2004</b> , 150, 817-830   | 2.9  | 77  |
| 33 | Estimation of mutation rates. <i>Biometrics</i> , <b>2004</b> , 60, 1053-4; reply 1054-5  | 1.8  |     |
| 32 | 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> , <b>2004</b> , 5, 23  | 4.5  | 29  |
| 31 | Bacterial virulence factors in neonatal sepsis: group B streptococcus. <i>Current Opinion in Infectious Diseases</i> , <b>2004</b> , 17, 225-9  | 5.4  | 31  |
| 30 | CD4+CD25+ T(R) cells suppress innate immune pathology through cytokine-dependent mechanisms. <i>Journal of Experimental Medicine</i> , <b>2003</b> , 197, 111-9   | 16.6 | 628 |
| 29 | Mutation rates: estimating phase variation rates when fitness differences are present and their impact on population structure. <i>Microbiology (United Kingdom)</i> , <b>2003</b> , 149, 485-495   | 2.9  | 44  |
| 28 | The use of complete genome sequences in vaccine design. <i>Methods in Molecular Medicine</i> , <b>2003</b> , 87, 301-12   |      | 2   |
| 27 | Evasion of antibody responses: Bacterial phase variation <b>2003</b> , 103-124  |      | 5   |
| 26 | Characterization of the nodulation plasmid encoded chemoreceptor gene <i>mcpG</i> from <i>Rhizobium leguminosarum</i> . <i>BMC Microbiology</i> , <b>2003</b> , 3, 1  | 4.5  | 17  |
| 25 | Diversity in coding tandem repeats in related <i>Neisseria</i> spp. <i>BMC Microbiology</i> , <b>2003</b> , 3, 23   | 4.5  | 37  |
| 24 | Divergence and transcriptional analysis of the division cell wall ( <i>dcw</i> ) gene cluster in <i>Neisseria</i> spp. <i>Molecular Microbiology</i> , <b>2003</b> , 47, 431-42   | 4.1  | 31  |
| 23 | Adaptation by phase variation in pathogenic bacteria. <i>Advances in Applied Microbiology</i> , <b>2003</b> , 52, 263-304.9   | 4.9  | 30  |
| 22 | 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> , <b>2002</b> , 184, 6163-73  | 3.5  | 52  |
| 21 | The minimal mobile element. <i>Microbiology (United Kingdom)</i> , <b>2002</b> , 148, 3756-3760   | 2.9  | 29  |
| 20 | 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. <i>Journal of Bacteriology</i> , <b>2001</b> , 183, 1233-41 | 3.5  | 24  |
| 19 | Genome sequencing and annotation. <i>Methods in Molecular Medicine</i> , <b>2001</b> , 67, 215-30   |      |     |

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|----|--|------|------|
| 18 | Comparative whole-genome analyses reveal over 100 putative phase-variable genes in the pathogenic <i>Neisseria</i> spp. <i>Microbiology (United Kingdom)</i> , <b>2001</b> , 147, 2321-2332  | 2.9  | 119  |
| 17 | High rates of phase variation in <i>Campylobacter jejuni</i> ?. <i>Molecular Microbiology</i> , <b>2000</b> , 36, 1504   | 4.1  | 1    |
| 16 | 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> , <b>2000</b> , 35, 211-22 | 4.1  | 148  |
| 15 | Repeat-associated phase variable genes in the complete genome sequence of <i>Neisseria meningitidis</i> strain MC58. <i>Molecular Microbiology</i> , <b>2000</b> , 37, 207-15  | 4.1  | 212  |
| 14 | Complete genome sequence of <i>Neisseria meningitidis</i> serogroup B strain MC58. <i>Science</i> , <b>2000</b> , 287, 1809-15   | 33.3 | 986  |
| 13 | Identification of vaccine candidates against serogroup B meningococcus by whole-genome sequencing. <i>Science</i> , <b>2000</b> , 287, 1816-20   | 33.3 | 1084 |
| 12 | Bacterial evolution: bacteria play pass the gene. <i>Current Biology</i> , <b>1999</b> , 9, R180-3   | 6.3  | 21   |
| 11 | Absence in <i>Helicobacter pylori</i> of an uptake sequence for enhancing uptake of homospecific DNA during transformation. <i>Microbiology (United Kingdom)</i> , <b>1999</b> , 145 ( Pt 12), 3523-3528                               | 2.9  | 24   |
| 10 | Implications of sequencing bacterial genomes for pathogenesis and vaccine development. <i>Current Opinion in Biotechnology</i> , <b>1998</b> , 9, 618-23   | 11.4 | 22   |
| 9  | Simple sequence repeats in the <i>Helicobacter pylori</i> genome. <i>Molecular Microbiology</i> , <b>1998</b> , 27, 1091-8   | 4.1  | 190  |
| 8  | Trough-only monitoring of serum vancomycin concentrations in neonates. <i>Journal of Antimicrobial Chemotherapy</i> , <b>1998</b> , 41, 141-2  | 5.1  | 7    |
| 7  | An in silico evaluation of Tn916 as a tool for generalized mutagenesis in <i>Haemophilus influenzae</i> Rd. <i>Microbiology (United Kingdom)</i> , <b>1998</b> , 144 ( Pt 9), 2525-2530  | 2.9  | 11   |
| 6  | The spectrum of hepatitis C antibody positive disease in a teaching hospital. <i>Journal of Infection</i> , <b>1995</b> , 30, 115-9  | 18.9 | 3    |
| 5  | Assay of vancomycin by fluorescence polarisation immunoassay and EMIT in patients with renal failure. <i>Journal of Antimicrobial Chemotherapy</i> , <b>1995</b> , 36, 411-5   | 5.1  | 16   |
| 4  | A prospective laboratory-based audit of gentamicin use and therapeutic monitoring. <i>Journal of Antimicrobial Chemotherapy</i> , <b>1995</b> , 36, 729-36   | 5.1  | 7    |
| 3  | A study of the interaction between recombinant bactericidal permeability increasing protein (rBPI(23)) and gentamicin. <i>International Journal of Antimicrobial Agents</i> , <b>1995</b> , 5, 259-63                                  | 14.3 | 1    |
| 2  | Why monitor peak vancomycin concentrations?. <i>Lancet, The</i> , <b>1994</b> , 344, 1748-50   | 4.0  | 90   |
| 1  | <i>Neisseria</i> : a Postgenomic View90-119  |      |      |

