

# Daniel R. Neill

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6181733/publications.pdf>

Version: 2024-02-01

46  
papers

4,952  
citations

304743

22  
h-index

330143

37  
g-index

49  
all docs

49  
docs citations

49  
times ranked

7461  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nuocytes represent a new innate effector leukocyte that mediates type-2 immunity. <i>Nature</i> , 2010, 464, 1367-1370.	27.8	1,970
2	Transcription factor ROR $\gamma$ is critical for nuocyte development. <i>Nature Immunology</i> , 2012, 13, 229-236.	14.5	530
3	IL-33 is more potent than IL-25 in provoking IL-13 $\alpha$ 1-producing nuocytes (type 2 innate lymphoid cells) and airway contraction. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 132, 933-941.	2.9	331
4	Pneumolysin Activates the NLRP3 Inflammasome and Promotes Proinflammatory Cytokines Independently of TLR4. <i>PLoS Pathogens</i> , 2010, 6, e1001191.	4.7	314
5	Engineered liposomes sequester bacterial exotoxins and protect from severe invasive infections in mice. <i>Nature Biotechnology</i> , 2015, 33, 81-88.	17.5	187
6	Controlled Human Infection and Rechallenge with <i>Streptococcus pneumoniae</i> Reveals the Protective Efficacy of Carriage in Healthy Adults. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 187, 855-864.	5.6	166
7	Phage therapy is highly effective against chronic lung infections with <i>Pseudomonas aeruginosa</i> . <i>Thorax</i> , 2017, 72, 666-667.	5.6	161
8	Blocking IL-25 signalling protects against gut inflammation in a type-2 model of colitis by suppressing nuocyte and NKT derived IL-13. <i>Journal of Gastroenterology</i> , 2012, 47, 1198-1211.	5.1	112
9	Circulating Pneumolysin Is a Potent Inducer of Cardiac Injury during Pneumococcal Infection. <i>PLoS Pathogens</i> , 2015, 11, e1004836.	4.7	109
10	Genome mining identifies cepacin as a plant-protective metabolite of the biopesticidal bacterium <i>Burkholderia ambifaria</i> . <i>Nature Microbiology</i> , 2019, 4, 996-1005.	13.3	106
11	E-cigarette vapour enhances pneumococcal adherence to airway epithelial cells. <i>European Respiratory Journal</i> , 2018, 51, 1701592.	6.7	104
12	T Regulatory Cells Control Susceptibility to Invasive Pneumococcal Pneumonia in Mice. <i>PLoS Pathogens</i> , 2012, 8, e1002660.	4.7	98
13	The Building Blocks of Antimicrobial Resistance in <i>Pseudomonas aeruginosa</i> : Implications for Current Resistance-Breaking Therapies. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 665759.	3.9	87
14	<i>Pseudomonas aeruginosa</i> adaptation in the nasopharyngeal reservoir leads to migration and persistence in the lungs. <i>Nature Communications</i> , 2014, 5, 4780.	12.8	82
15	Pneumolysin binds to the mannose receptor C type 1 (MRC-1) leading to anti-inflammatory responses and enhanced pneumococcal survival. <i>Nature Microbiology</i> , 2019, 4, 62-70.	13.3	77
16	Nuocytes and beyond: new insights into helminth expulsion. <i>Trends in Parasitology</i> , 2011, 27, 214-221.	3.3	59
17	Airborne dust and high temperatures are risk factors for invasive bacterial disease. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 977-986.e2.	2.9	59
18	Ca $^{2+}$ -dependent repair of pneumolysin pores: A new paradigm for host cellular defense against bacterial pore-forming toxins. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 2045-2054.	4.1	56

#	ARTICLE	IF	CITATIONS
19	Density and Duration of Pneumococcal Carriage Is Maintained by Transforming Growth Factor $\hat{I}^{21}$ and T Regulatory Cells. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 189, 1250-1259.	5.6	55
20	A new protective role for S100A9 in regulation of neutrophil recruitment during invasive pneumococcal pneumonia. <i>FASEB Journal</i> , 2014, 28, 3600-3608.	0.5	48
21	Exposure to diesel exhaust particles increases susceptibility to invasive pneumococcal disease. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 145, 1272-1284.e6.	2.9	29
22	Evolutionary trade-offs associated with loss of PmrB function in host-adapted <i>Pseudomonas aeruginosa</i> . <i>Nature Communications</i> , 2018, 9, 2635.	12.8	28
23	Increased pathogenicity of pneumococcal serotype 1 is driven by rapid autolysis and release of pneumolysin. <i>Nature Communications</i> , 2020, 11, 1892.	12.8	28
24	Antibacterial Activity of Inverse Vulcanized Polymers. <i>Biomacromolecules</i> , 2021, 22, 5223-5233.	5.4	21
25	The Pneumococcal Polysaccharide Capsule and Pneumolysin Differentially Affect CXCL8 and IL-6 Release from Cells of the Upper and Lower Respiratory Tract. <i>PLoS ONE</i> , 2014, 9, e92355.	2.5	20
26	Origins and evolution of innate lymphoid cells: Wardens of barrier immunity. <i>Parasite Immunology</i> , 2018, 40, e12436.	1.5	20
27	T <sub>H</sub> 9: the latest addition to the expanding repertoire of IL-25 targets. <i>Immunology and Cell Biology</i> , 2010, 88, 502-504.	2.3	17
28	Structural insights into loss of function of a pore forming toxin and its role in pneumococcal adaptation to an intracellular lifestyle. <i>PLoS Pathogens</i> , 2020, 16, e1009016.	4.7	13
29	The B Lymphocyte Differentiation Factor (BAFF) Is Expressed in the Airways of Children with CF and in Lungs of Mice Infected with <i>Pseudomonas aeruginosa</i> . <i>PLoS ONE</i> , 2014, 9, e95892.	2.5	11
30	Pneumococcal Colonization and Virulence Factors Identified Via Experimental Evolution in Infection Models. <i>Molecular Biology and Evolution</i> , 2021, 38, 2209-2226.	8.9	9
31	Novel Immunogenic Peptides Elicit Systemic Anaphylaxis in Mice: Implications for Peptide Vaccines. <i>Journal of Immunology</i> , 2011, 187, 1201-1206.	0.8	7
32	Investigating the viability of sulfur polymers for the fabrication of photoactive, antimicrobial, water repellent coatings. <i>Journal of Materials Chemistry B</i> , 2022, 10, 4153-4162.	5.8	7
33	Nasopharyngeal carriage with <i>Streptococcus pneumoniae</i> augments the immunizing effect of pneumolysin toxoid B. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 131, 1433-1435.e1.	2.9	6
34	Intestinal helminth co-infection is an unrecognised risk factor for increased pneumococcal carriage density and invasive disease. <i>Scientific Reports</i> , 2021, 11, 6984.	3.3	6
35	Innate lymphoid cells and parasites: Ancient foes with shared history. <i>Parasite Immunology</i> , 2018, 40, e12513.	1.5	5
36	Influenza-like illness is associated with high pneumococcal carriage density in Malawian children. <i>Journal of Infection</i> , 2020, 81, 549-556.	3.3	5

#	ARTICLE	IF	CITATIONS
37	Pneumolysin. , 2015, , 257-275.		4
38	Lower Density and Shorter Duration of Nasopharyngeal Carriage by Pneumococcal Serotype 1 (ST217) May Explain Its Increased Invasiveness over Other Serotypes. MBio, 2020, 11, .	4.1	4
39	Spir2; a novel QTL on chromosome 4 contributes to susceptibility to pneumococcal infection in mice. BMC Genomics, 2013, 14, 242.	2.8	0
40	Pneumococcal Biology, Diversity, Evolution and Host Responses to Infection. , 2016, , 60-65.		0
41	Title is missing!. , 2020, 16, e1009016.		0
42	Title is missing!. , 2020, 16, e1009016.		0
43	Title is missing!. , 2020, 16, e1009016.		0
44	Title is missing!. , 2020, 16, e1009016.		0
45	Title is missing!. , 2020, 16, e1009016.		0
46	Transcriptional profiles of Streptococcus pneumoniae associated with adaptation to the nasopharynx environment. Access Microbiology, 2022, 4, .	0.5	0