Daniel R. Neill

List of Publications by Year
in descending order

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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	Investigating the viability of sulfur polymers for the fabrication of photoactive, antimicrobial, water repellent coatings. Journal of Materials Chemistry B, 2022, 10, 4153-4162.	5.8	7
2	Transcriptional profiles of Streptococcus pneumoniae associated with adaptation to the nasopharynx environment. Access Microbiology, 2022, 4, .	0.5	0
3	Pneumococcal Colonization and Virulence Factors Identified Via Experimental Evolution in Infection Models. Molecular Biology and Evolution, 2021, 38, 2209-2226.	8.9	9
4	Intestinal helminth co-infection is an unrecognised risk factor for increased pneumococcal carriage density and invasive disease. Scientific Reports, 2021, 11, 6984.	3.3	6
5	The Building Blocks of Antimicrobial Resistance in Pseudomonas aeruginosa: Implications for Current Resistance-Breaking Therapies. Frontiers in Cellular and Infection Microbiology, 2021, 11, 665759.	3.9	87
6	Antibacterial Activity of Inverse Vulcanized Polymers. Biomacromolecules, 2021, 22, 5223-5233.	5.4	21
7	Influenza-like illness is associated with high pneumococcal carriage density in Malawian children. Journal of Infection, 2020, 81, 549-556.	3.3	5
8	Exposure to diesel exhaust particles increases susceptibility to invasive pneumococcal disease. Journal of Allergy and Clinical Immunology, 2020, 145, 1272-1284.e6.	2.9	29
9	Increased pathogenicity of pneumococcal serotype 1 is driven by rapid autolysis and release of pneumolysin. Nature Communications, 2020, 11, 1892.	12.8	28
10	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
11	Structural insights into loss of function of a pore forming toxin and its role in pneumococcal adaptation to an intracellular lifestyle. PLoS Pathogens, 2020, 16, e1009016.	4.7	13
12	Title is missing!. , 2020, 16, e1009016.		0
13	Title is missing!. , 2020, 16, e1009016.		0
14	Title is missing!. , 2020, 16, e1009016.		0
15	Title is missing!. , 2020, 16, e1009016.		0
16	Title is missing!. , 2020, 16, e1009016.		0
17	Genome mining identifies cepacin as a plant-protective metabolite of the biopesticidal bacterium Burkholderia ambifaria. Nature Microbiology, 2019, 4, 996-1005.	13.3	106
18	Pneumolysin binds to the mannose receptor C type 1 (MRC-1) leading to anti-inflammatory responses and enhanced pneumococcal survival. Nature Microbiology, 2019, 4, 62-70.	13.3	77

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19	E-cigarette vapour enhances pneumococcal adherence to airway epithelial cells. European Respiratory Journal, 2018, 51, 1701592.	6.7	104
20	Innate lymphoid cells and parasites: Ancient foes with shared history. Parasite Immunology, 2018, 40, e12513.	1.5	5
21	Origins and evolution of innate lymphoid cells: Wardens of barrier immunity. Parasite Immunology, 2018, 40, e12436.	1.5	20
22	Evolutionary trade-offs associated with loss of PmrB function in host-adapted Pseudomonas aeruginosa. Nature Communications, 2018, 9, 2635.	12.8	28
23	Phage therapy is highly effective against chronic lung infections withPseudomonas aeruginosa. Thorax, 2017, 72, 666-667.	5.6	161
24	Airborne dust and high temperatures are risk factors for invasive bacterial disease. Journal of Allergy and Clinical Immunology, 2017, 139, 977-986.e2.	2.9	59
25	Pneumococcal Biology, Diversity, Evolution and Host Responses to Infection. , 2016, , 60-65.		0
26	Circulating Pneumolysin Is a Potent Inducer of Cardiac Injury during Pneumococcal Infection. PLoS Pathogens, 2015, 11, e1004836.	4.7	109
27	Pneumolysin. , 2015, , 257-275.		4
28	Ca2+-dependent repair of pneumolysin pores: A new paradigm for host cellular defense against bacterial pore-forming toxins. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 2045-2054.	4.1	56
29	Engineered liposomes sequester bacterial exotoxins and protect from severe invasive infections in mice. Nature Biotechnology, 2015, 33, 81-88.	17.5	187
30	The Pneumococcal Polysaccharide Capsule and Pneumolysin Differentially Affect CXCL8 and IL-6 Release from Cells of the Upper and Lower Respiratory Tract. PLoS ONE, 2014, 9, e92355.	2.5	20
31	A new protective role for S100A9 in regulation of neutrophil recruitment during invasive pneumococcal pneumonia. FASEB Journal, 2014, 28, 3600-3608.	0.5	48
32	Density and Duration of Pneumococcal Carriage Is Maintained by Transforming Growth Factor Î²1 and T Regulatory Cells. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 1250-1259.	5.6	55
33	Pseudomonas aeruginosa adaptation in the nasopharyngeal reservoir leads to migration and persistence in the lungs. Nature Communications, 2014, 5, 4780.	12.8	82
34	The B Lymphocyte Differentiation Factor (BAFF) Is Expressed in the Airways of Children with CF and in Lungs of Mice Infected with Pseudomonas aeruginosa. PLoS ONE, 2014, 9, e95892.	2.5	11
35	IL-33 is more potent than IL-25 in provoking IL-13â€“producing nuocytes (type 2 innate lymphoid cells) and airway contraction. Journal of Allergy and Clinical Immunology, 2013, 132, 933-941.	2.9	331
36	Spir2; a novel QTL on chromosome 4 contributes to susceptibility to pneumococcal infection in mice. BMC Genomics, 2013, 14, 242.	2.8	0

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37	Nasopharyngeal carriage with Streptococcus pneumoniae augments the immunizing effect of pneumolysin toxoid B. Journal of Allergy and Clinical Immunology, 2013, 131, 1433-1435.e1.	2.9	6
38	Controlled Human Infection and Rechallenge with Streptococcus pneumoniae Reveals the Protective Efficacy of Carriage in Healthy Adults. American Journal of Respiratory and Critical Care Medicine, 2013, 187, 855-864.	5.6	166
39	T Regulatory Cells Control Susceptibility to Invasive Pneumococcal Pneumonia in Mice. PLoS Pathogens, 2012, 8, e1002660.	4.7	98
40	Blocking IL-25 signalling protects against gut inflammation in a type-2 model of colitis by suppressing nuocyte and NKT derived IL-13. Journal of Gastroenterology, 2012, 47, 1198-1211.	5.1	112
41	Transcription factor RORÎ± is critical for nuocyte development. Nature Immunology, 2012, 13, 229-236.	14.5	530
42	Nuocytes and beyond: new insights into helminth expulsion. Trends in Parasitology, 2011, 27, 214-221.	3.3	59
43	Novel Immunogenic Peptides Elicit Systemic Anaphylaxis in Mice: Implications for Peptide Vaccines. Journal of Immunology, 2011, 187, 1201-1206.	0.8	7
44	T_H9: the latest addition to the expanding repertoire of ILâ€25 targets. Immunology and Cell Biology, 2010, 88, 502-504.	2.3	17
45	Nuocytes represent a new innate effector leukocyte that mediates type-2 immunity. Nature, 2010, 464, 1367-1370.	27.8	1,970
46	Pneumolysin Activates the NLRP3 Inflammasome and Promotes Proinflammatory Cytokines Independently of TLR4. PLoS Pathogens, 2010, 6, e1001191.	4.7	314