

Thomas Proft

List of Publications by Year in descending order

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92
papers

5,017
citations

136885

32
h-index

95218

68
g-index

93
all docs

93
docs citations

93
times ranked

4939
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Galleria mellonella</i> infection models for the study of bacterial diseases and for antimicrobial drug testing. <i>Virulence</i> , 2016, 7, 214-229.	1.8	534
2	Pili in Gram-negative and Gram-positive bacteria – structure, assembly and their role in disease. <i>Cellular and Molecular Life Sciences</i> , 2009, 66, 613-635.	2.4	425
3	The bacterial superantigen and superantigen-like proteins. <i>Immunological Reviews</i> , 2008, 225, 226-243.	2.8	415
4	Bacterial superantigens. <i>Clinical and Experimental Immunology</i> , 2003, 133, 299-306.	1.1	371
5	Stabilizing Isopeptide Bonds Revealed in Gram-Positive Bacterial Pilus Structure. <i>Science</i> , 2007, 318, 1625-1628.	6.0	295
6	The Staphylococcal Superantigen-Like Protein 7 Binds IgA and Complement C5 and Inhibits IgA-FcγRI Binding and Serum Killing of Bacteria. <i>Journal of Immunology</i> , 2005, 174, 2926-2933.	0.4	237
7	Identification and Characterization of Novel Superantigens from <i>Streptococcus pyogenes</i> . <i>Journal of Experimental Medicine</i> , 1999, 189, 89-102.	4.2	184
8	<i>Galleria mellonella</i> larvae as an infection model for group A streptococcus. <i>Virulence</i> , 2013, 4, 419-428.	1.8	154
9	Superantigens – powerful modifiers of the immune system. <i>Trends in Molecular Medicine</i> , 2000, 6, 125-132.	2.6	147
10	Sortase-mediated protein ligation: an emerging biotechnology tool for protein modification and immobilisation. <i>Biotechnology Letters</i> , 2010, 32, 1-10.	1.1	110
11	Streptococcal superantigens: categorization and clinical associations. <i>Trends in Molecular Medicine</i> , 2014, 20, 48-62.	3.5	97
12	Two Novel Superantigens Found in Both Group A and Group C <i>Streptococcus</i> . <i>Infection and Immunity</i> , 2003, 71, 1361-1369.	1.0	95
13	The Bacterial Superantigen Streptococcal Mitogenic Exotoxin Z Is the Major Immunoactive Agent of <i>Streptococcus pyogenes</i> . <i>Journal of Immunology</i> , 2002, 169, 2561-2569.	0.4	84
14	Transposon mutagenesis reinforces the correlation between <i>Mycoplasma pneumoniae</i> cytoskeletal protein HMW2 and cytoadherence. <i>Journal of Bacteriology</i> , 1997, 179, 2668-2677.	1.0	82
15	Superantigens and Streptococcal Toxic Shock Syndrome. <i>Emerging Infectious Diseases</i> , 2003, 9, 1211-1218.	2.0	82
16	The Streptococcal Superantigen Smez Exhibits Wide Allelic Variation, Mosaic Structure, and Significant Antigenic Variation. <i>Journal of Experimental Medicine</i> , 2000, 191, 1765-1776.	4.2	78
17	The Three-dimensional Structure of a Superantigen-like Protein, SET3, from a Pathogenicity Island of the <i>Staphylococcus aureus</i> Genome. <i>Journal of Biological Chemistry</i> , 2002, 277, 32274-32281.	1.6	77
18	The proline-rich P65 protein of <i>Mycoplasma pneumoniae</i> is a component of the Triton X-100-insoluble fraction and exhibits size polymorphism in the strains M129 and FH. <i>Journal of Bacteriology</i> , 1995, 177, 3370-3378.	1.0	74

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19	Functional analysis of <i>Streptococcus pyogenes</i> nuclease A (SpnA), a novel group A streptococcal virulence factor. <i>Molecular Microbiology</i> , 2011, 79, 1629-1642.	1.2	70
20	Conservation and variation in superantigen structure and activity highlighted by the three-dimensional structures of two new superantigens from <i>Streptococcus pyogenes</i> 1 Edited by I. A. Wilson. <i>Journal of Molecular Biology</i> , 2000, 299, 157-168.	2.0	69
21	Identification and characterization of hitherto unknown <i>Mycoplasma pneumoniae</i> proteins. <i>Molecular Microbiology</i> , 1994, 13, 337-348.	1.2	64
22	Immobilization of proteins to biacore sensor chips using <i>Staphylococcus aureus</i> sortase A. <i>Biotechnology Letters</i> , 2008, 30, 1603-1607.	1.1	63
23	Crystal Structure of the Minor Pilin FctB Reveals Determinants of Group A Streptococcal Pilus Anchoring. <i>Journal of Biological Chemistry</i> , 2010, 285, 20381-20389.	1.6	61
24	Different Preparations of Intravenous Immunoglobulin Vary in Their Efficacy to Neutralize Streptococcal Superantigens: Implications for Treatment of Streptococcal Toxic Shock Syndrome. <i>Clinical Infectious Diseases</i> , 2006, 43, 743-746.	2.9	58
25	The Laminin-Binding Protein Lbp from <i>Streptococcus pyogenes</i> Is a Zinc Receptor. <i>Journal of Bacteriology</i> , 2009, 191, 5814-5823.	1.0	56
26	Immunological and Biochemical Characterization of Streptococcal Pyrogenic Exotoxins I and J (SPE-I) Tj ETQq0 0 0 rgBT /Overlock 10 Tf .	0.4	48
27	Crystal Structure of Spy0129, a <i>Streptococcus pyogenes</i> Class B Sortase Involved in Pilus Assembly. <i>PLoS ONE</i> , 2011, 6, e15969.	1.1	44
28	Working towards a Group A Streptococcal vaccine: Report of a collaborative Trans-Tasman workshop. <i>Vaccine</i> , 2014, 32, 3713-3720.	1.7	44
29	Superantigens in human disease. <i>Journal of Clinical Immunology</i> , 1999, 19, 149-157.	2.0	43
30	M-Protein Analysis of <i>Streptococcus pyogenes</i> Isolates Associated with Acute Rheumatic Fever in New Zealand. <i>Journal of Clinical Microbiology</i> , 2015, 53, 3618-3620.	1.8	43
31	The P200 protein of <i>Mycoplasma pneumoniae</i> shows common features with the cytoadherence-associated proteins HMW1 and HMW3. <i>Gene</i> , 1996, 171, 79-82.	1.0	39
32	Superantigens: Just Like Peptides Only Different. <i>Journal of Experimental Medicine</i> , 1998, 187, 819-821.	4.2	39
33	Sequence analysis and characterization of the hmw gene cluster of <i>Mycoplasma pneumoniae</i> . <i>Gene</i> , 1996, 171, 19-25.	1.0	35
34	Streptococcal Superantigens. , 2007, 93, 1-23.		33
35	Streptococcal 5â€²-Nucleotidase A (S5nA), a Novel <i>Streptococcus pyogenes</i> Virulence Factor That Facilitates Immune Evasion. <i>Journal of Biological Chemistry</i> , 2015, 290, 31126-31137.	1.6	33
36	Structural Conservation, Variability, and Immunogenicity of the T6 Backbone Pilin of Serotype M6 <i>Streptococcus pyogenes</i> . <i>Infection and Immunity</i> , 2014, 82, 2949-2957.	1.0	32

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37	Mucosal vaccination with pili from Group A Streptococcus expressed on Lactococcus lactis generates protective immune responses. <i>Scientific Reports</i> , 2017, 7, 7174.	1.6	32
38	Increasing incidence of invasive group A streptococcus disease in New Zealand, 2002–2012: A national population-based study. <i>Journal of Infection</i> , 2015, 70, 127-134.	1.7	31
39	Toxin-antitoxin-stabilized reporter plasmids for biophotonic imaging of Group A streptococcus. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 9737-9745.	1.7	29
40	The Group A Streptococcus serotype M ₂ pilus plays a role in host cell adhesion and immune evasion. <i>Molecular Microbiology</i> , 2017, 103, 282-298.	1.2	28
41	Pyrogenicity and Cytokine-Inducing Properties of Streptococcus pyogenes Superantigens: Comparative Study of Streptococcal Mitogenic Exotoxin Z and Pyrogenic Exotoxin A. <i>Infection and Immunity</i> , 2001, 69, 4141-4145.	1.0	27
42	Streptococcal Mitogenic Exotoxin, SmeZ, Is the Most Susceptible M1T1 Streptococcal Superantigen to Degradation by the Streptococcal Cysteine Protease, SpeB. <i>Journal of Biological Chemistry</i> , 2006, 281, 35281-35288.	1.6	27
43	Serological Evidence of Immune Priming by Group A Streptococci in Patients with Acute Rheumatic Fever. <i>Frontiers in Microbiology</i> , 2016, 7, 1119.	1.5	26
44	Comparison of firefly luciferase and NanoLuc luciferase for biophotonic labeling of group A Streptococcus. <i>Biotechnology Letters</i> , 2014, 36, 829-834.	1.1	25
45	Survey of the <i>bp/tee</i> genes from clinical group A streptococcus isolates in New Zealand – implications for vaccine development. <i>Journal of Medical Microbiology</i> , 2014, 63, 1670-1678.	0.7	24
46	Protein adhesins as vaccine antigens for Group A Streptococcus. <i>Pathogens and Disease</i> , 2018, 76, .	0.8	24
47	Isopeptide bonds in bacterial pili and their characterization by X-ray crystallography and mass spectrometry. <i>Biopolymers</i> , 2009, 91, 1126-1134.	1.2	22
48	Induction of interleukin-8 in human neutrophils after MHC class II cross-linking with superantigens. <i>Journal of Leukocyte Biology</i> , 2001, 70, 80-86.	1.5	22
49	A multivalent T-antigen-based vaccine for Group A Streptococcus. <i>Scientific Reports</i> , 2021, 11, 4353.	1.6	20
50	Crystallographic and Mutational Data Show That the Streptococcal Pyrogenic Exotoxin J Can Use a Common Binding Surface for T-cell Receptor Binding and Dimerization. <i>Journal of Biological Chemistry</i> , 2004, 279, 38571-38576.	1.6	18
51	PilVax – a novel peptide delivery platform for the development of mucosal vaccines. <i>Scientific Reports</i> , 2018, 8, 2555.	1.6	17
52	The use of sortase-mediated ligation for the immobilisation of bacterial adhesins onto fluorescence-labelled microspheres: a novel approach to analyse bacterial adhesion to host cells. <i>Biotechnology Letters</i> , 2010, 32, 1713-1718.	1.1	16
53	Involvement of Streptococcal Mitogenic Exotoxin Z in Streptococcal Toxic Shock Syndrome. <i>Journal of Clinical Microbiology</i> , 2005, 43, 3570-3573.	1.8	15
54	Structure and Activity of Streptococcus pyogenes SipA: A Signal Peptidase-Like Protein Essential for Pilus Polymerisation. <i>PLoS ONE</i> , 2014, 9, e99135.	1.1	14

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55	Group A <i>Streptococcus</i> T Antigens Have a Highly Conserved Structure Concealed under a Heterogeneous Surface That Has Implications for Vaccine Design. <i>Infection and Immunity</i> , 2019, 87, .	1.0	14
56	Artificial Urine for Teaching Urinalysis Concepts and Diagnosis of Urinary Tract Infection in the Medical Microbiology Laboratory. <i>Journal of Microbiology and Biology Education</i> , 2017, 18, .	0.5	13
57	Cell wall-anchored 5'-nucleotidases in Gram-positive cocci. <i>Molecular Microbiology</i> , 2020, 113, 691-698.	1.2	12
58	Variations in the protective immune response against streptococcal superantigens in populations of different ethnicity. <i>Medical Microbiology and Immunology</i> , 2006, 195, 37-43.	2.6	11
59	The novel Group A <i>Streptococcus</i> antigen SpnA combined with bead-based immunoassay technology improves streptococcal serology for the diagnosis of acute rheumatic fever. <i>Journal of Infection</i> , 2018, 76, 361-368.	1.7	11
60	<i>Streptococcus pyogenes</i> nuclease A (SpnA) mediated virulence does not exclusively depend on nuclease activity. <i>Journal of Microbiology, Immunology and Infection</i> , 2020, 53, 42-48.	1.5	11
61	The Use of <i>Galleria mellonella</i> (Wax Moth) as an Infection Model for Group A <i>Streptococcus</i> . <i>Methods in Molecular Biology</i> , 2020, 2136, 279-286.	0.4	11
62	Functional Analysis of Two Novel <i>Streptococcus iniae</i> Virulence Factors Using a Zebrafish Infection Model. <i>Microorganisms</i> , 2020, 8, 1361.	1.6	10
63	Development and Evaluation of a New Triplex Immunoassay That Detects Group A <i>Streptococcus</i> Antibodies for the Diagnosis of Rheumatic Fever. <i>Journal of Clinical Microbiology</i> , 2020, 58, .	1.8	10
64	A potential role for staphylococcal and streptococcal superantigens in driving skewing of TCR V β 2 subsets in tonsillar hyperplasia. <i>Medical Microbiology and Immunology</i> , 2017, 206, 337-346.	2.6	9
65	Impact of Superantigen-Producing Bacteria on T Cells from Tonsillar Hyperplasia. <i>Pathogens</i> , 2019, 8, 90.	1.2	9
66	Complement evasion factor (CEF), a novel immune evasion factor of <i>Streptococcus pyogenes</i> . <i>Virulence</i> , 2022, 13, 225-240.	1.8	7
67	The ability of Group A streptococcus to adhere to immortalized human skin versus throat cell lines does not reflect their predicted tissue tropism. <i>Clinical Microbiology and Infection</i> , 2017, 23, 677.e1-677.e3.	2.8	6
68	Intranasal immunization with Ag85B peptide 25 displayed on <i>Lactococcus lactis</i> using the PilVax platform induces antigen-specific B- and T-cell responses. <i>Immunology and Cell Biology</i> , 2021, 99, 767-781.	1.0	6
69	Preformulation studies of thymopentin: analytical method development, physicochemical properties, kinetic degradation investigations and formulation perspective. <i>Drug Development and Industrial Pharmacy</i> , 2021, 47, 1680-1692.	0.9	6
70	The Cytokine Response to Streptococcal Superantigens Varies Between Individual Toxins and Between Individuals: Implications for the Pathogenesis of Group A Streptococcal Diseases. <i>Journal of Interferon and Cytokine Research</i> , 2007, 27, 553-558.	0.5	5
71	Vaccination with <i>Streptococcus pyogenes</i> nuclease A stimulates a high antibody response but no protective immunity in a mouse model of infection. <i>Medical Microbiology and Immunology</i> , 2015, 204, 185-191.	2.6	5
72	Orthologues of <i>Streptococcus pyogenes</i> nuclease A (SpnA) and Streptococcal 5'-nucleotidase A (S5nA) found in <i>Streptococcus iniae</i> . <i>Journal of Biochemistry</i> , 2018, 164, 165-171.	0.9	5

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73	Purification, crystallization and preliminary crystallographic analysis of <i>Streptococcus pyogenes</i> laminin-binding protein Lbp. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2008, 64, 141-143.	0.7	4
74	Purification, crystallization and preliminary crystallographic analysis of the minor pilin FctB from <i>Streptococcus pyogenes</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010, 66, 177-179.	0.7	3
75	Bacterial superantigens and superantigen-like toxins. , 2015, , 911-974.		3
76	Development of a high-throughput opsonophagocytic assay for the determination of functional antibody activity against <i>Streptococcus pyogenes</i> using bioluminescence. <i>Journal of Microbiological Methods</i> , 2017, 134, 58-61.	0.7	3
77	Pilus proteins from <i>Streptococcus pyogenes</i> stimulate innate immune responses through Toll-like receptor 2. <i>Immunology and Cell Biology</i> , 2022, 100, 174-185.	1.0	3
78	Stabilized plasmid-based system for bioluminescent labeling of multiple streptococcal species. <i>Biotechnology Letters</i> , 2016, 38, 139-143.	1.1	2
79	Assays to Analyze Adhesion of Group A <i>Streptococcus</i> to Host Cells. <i>Methods in Molecular Biology</i> , 2020, 2136, 271-278.	0.4	2
80	A Mouse Nasopharyngeal Colonization Model for Group A <i>Streptococcus</i> . <i>Methods in Molecular Biology</i> , 2020, 2136, 303-308.	0.4	1
81	Generation of Bioluminescent Group A <i>Streptococcus</i> for Biophotonic Imaging. <i>Methods in Molecular Biology</i> , 2020, 2136, 71-77.	0.4	1
82	Using <i>Lactococcus lactis</i> as Surrogate Organism to Study Group A <i>Streptococcus</i> Surface Proteins. <i>Methods in Molecular Biology</i> , 2020, 2136, 155-162.	0.4	1
83	Functional Characterisation of Two Novel Deacetylases from <i>Streptococcus pyogenes</i> . <i>Microbiology Research</i> , 2022, 13, 323-331.	0.8	1
84	Involvement of streptococcal superantigens in streptococcal toxic shock syndrome. <i>International Congress Series</i> , 2006, 1289, 125-128.	0.2	0
85	Isopeptide bonds stabilize Gram-positive bacterial pilus structure and assembly. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2008, 64, C376-C377.	0.3	0
86	Structural studies on novel streptococcal virulence factors. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2005, 61, c193-c194.	0.3	0
87	Streptococcal superantigenic toxins. , 2006, , 844-861.		0
88	Crystal structure of the laminin-binding protein Lbp of <i>Streptococcus pyogenes</i> . <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2008, 64, C639-C639.	0.3	0
89	Surface Proteins of Gram-Positive Pathogens: Using Crystallography to Uncover Novel Features in Drug and Vaccine Candidates. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2009, , 1-9.	0.5	0
90	Incorporation of the basal pilin FctB into the pilus of <i>Streptococcus pyogenes</i> . <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2010, 66, s33-s34.	0.3	0

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91	The Streptococcal Superantigens. , 0, , 1-20.		0
92	PilVax: A Novel Platform for the Development of Mucosal Vaccines. Methods in Molecular Biology, 2022, 2412, 399-410.	0.4	0