

James C Paton

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.

172
papers

12,317
citations

60
h-index

108
g-index

180
ext. papers

14,276
ext. citations

7.7
avg, IF

6.34
L-index

#	Paper	IF	Citations
172	Strains Isolated From a Single Pediatric Patient Display Distinct Phenotypes.. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022 , 12, 866259	5.9	0
171	N-glycolylneuraminic acid serum biomarker levels are elevated in breast cancer patients at all stages of disease.. <i>BMC Cancer</i> , 2022 , 22, 334	4.8	0
170	Stress-induced protein disaggregation in the endoplasmic reticulum catalysed by BiP.. <i>Nature Communications</i> , 2022 , 13, 2501	17.4	1
169	Pneumococcal Phasevarions Control Multiple Virulence Traits, Including Vaccine Candidate Expression.. <i>Microbiology Spectrum</i> , 2022 , e0091622	8.9	1
168	Peptidomimetic-based identification of FDA-approved compounds inhibiting IRE1 activity. <i>FEBS Journal</i> , 2021 , 288, 945-960	5.7	6
167	Fatty Acid Desaturases Facilitate Survival in Distinct Environments. <i>ACS Infectious Diseases</i> , 2021 , 7, 2221-2228	5.3	2
166	The Membrane Composition Defines the Spatial Organization and Function of a Major <i>Acinetobacter baumannii</i> Drug Efflux System. <i>MBio</i> , 2021 , 12, e0107021	7.8	7
165	To Make or Take: Bacterial Lipid Homeostasis during Infection. <i>MBio</i> , 2021 , 12, e0092821	7.8	9
164	A single nucleotide polymorphism in an IgA1 protease gene determines <i>Streptococcus pneumoniae</i> adaptation to the middle ear during otitis media. <i>Pathogens and Disease</i> , 2021 , 79,	4.2	1
163	An interdomain helix in IRE1 β mediates the conformational change required for the sensor's activation. <i>Journal of Biological Chemistry</i> , 2021 , 296, 100781	5.4	0
162	A Trap-Door Mechanism for Zinc Acquisition by AdcA. <i>MBio</i> , 2021 , 12,	7.8	5
161	Sickly Sweet - How Sugar Utilization Impacts Pneumococcal Disease Progression. <i>Trends in Microbiology</i> , 2021 , 29, 768-771	12.4	1
160	The Molecular Basis of <i>Acinetobacter baumannii</i> Cadmium Toxicity and Resistance. <i>Applied and Environmental Microbiology</i> , 2021 , 87, e0171821	4.8	1
159	In vivo dual RNA-seq reveals that neutrophil recruitment underlies differential tissue tropism of <i>Streptococcus pneumoniae</i> . <i>Communications Biology</i> , 2020 , 3, 293	6.7	9
158	IRE1 β negatively regulates IRE1 α signaling in response to endoplasmic reticulum stress. <i>Journal of Cell Biology</i> , 2020 , 219,	7.3	15
157	The Role of Zinc Efflux during Infection. <i>ACS Infectious Diseases</i> , 2020 , 6, 150-158	5.5	11
156	Sterility of gamma-irradiated pathogens: a new mathematical formula to calculate sterilizing doses. <i>Journal of Radiation Research</i> , 2020 , 61, 886-894	2.4	4

155	Site-Specific Mutations of GalR Affect Galactose Metabolism in <i>Streptococcus pneumoniae</i> . <i>Journal of Bacteriology</i> , 2020 , 203,	3.5	5
154	Cadmium stress dictates central carbon flux and alters membrane composition in <i>Streptococcus pneumoniae</i> . <i>Communications Biology</i> , 2020 , 3, 694	6.7	8
153	The Role of the CopA Copper Efflux System in Virulence. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	23
152	Clustering of IRE1 α depends on sensing ER stress but not on its RNase activity. <i>FASEB Journal</i> , 2019 , 33, 9811-9827	0.9	18
151	Direct interaction of whole-inactivated influenza A and pneumococcal vaccines enhances influenza-specific immunity. <i>Nature Microbiology</i> , 2019 , 4, 1316-1327	26.6	12
150	Enhanced safety and immunogenicity of a pneumococcal surface antigen A mutant whole-cell inactivated pneumococcal vaccine. <i>Immunology and Cell Biology</i> , 2019 , 97, 726-739	5	4
149	The signal peptide plus a cluster of positive charges in prion protein dictate chaperone-mediated Sec61 channel gating. <i>Biology Open</i> , 2019 , 8,	2.2	17
148	Capsular Polysaccharide. <i>Microbiology Spectrum</i> , 2019 , 7,	8.9	40
147	Identification of Novel Host Fatty Acid Stress Adaptation Strategies. <i>MBio</i> , 2019 , 10,	7.8	25
146	Dietary zinc and the control of <i>Streptococcus pneumoniae</i> infection. <i>PLoS Pathogens</i> , 2019 , 15, e1007957.6	7.6	23
145	<i>Streptococcus pneumoniae</i> Capsular Polysaccharide 2019 , 304-315		
144	Capacity To Utilize Raffinose Dictates Pneumococcal Disease Phenotype. <i>MBio</i> , 2019 , 10,	7.8	14
143	Stand by to repel borders. <i>Nature Microbiology</i> , 2019 , 4, 8-9	26.6	1
142	Phosphorylation of IRE1 at S729 regulates RIDD in B cells and antibody production after immunization. <i>Journal of Cell Biology</i> , 2018 , 217, 1739-1755	7.3	29
141	The protein kinase PERK/EIF2AK3 regulates proinsulin processing not via protein synthesis but by controlling endoplasmic reticulum chaperones. <i>Journal of Biological Chemistry</i> , 2018 , 293, 5134-5149	5.4	26
140	Chaperone-Mediated Sec61 Channel Gating during ER Import of Small Precursor Proteins Overcomes Sec61 Inhibitor-Reinforced Energy Barrier. <i>Cell Reports</i> , 2018 , 23, 1373-1386	10.6	34
139	<i>Streptococcus pneumoniae</i> : transmission, colonization and invasion. <i>Nature Reviews Microbiology</i> , 2018 , 16, 355-367	22.2	303
138	<i>Streptococcus pneumoniae</i> potently induces cell death in mesothelial cells. <i>PLoS ONE</i> , 2018 , 13, e02015307	3.0	4

137	Arachidonic Acid Stress Impacts Pneumococcal Fatty Acid Homeostasis. <i>Frontiers in Microbiology</i> , 2018 , 9, 813	5.7	22
136	Specificity and utility of SubB2M, a new N-glycolylneuraminic acid lectin. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 500, 765-771	3.4	5
135	Role of Streptococcus pneumoniae OM001 operon in capsular polysaccharide production, virulence and survival in human saliva. <i>PLoS ONE</i> , 2018 , 13, e0190402	3.7	1
134	Rapid Evolution of Bacterial Exotoxin B Subunits Independent of A subunits: Sialic Acid Binding Preferences Correlate with Host Range and Intrinsic Toxicity. <i>FASEB Journal</i> , 2018 , 32, 673.3	0.9	
133	Specific growth conditions induce a Streptococcus pneumoniae non-mucoidal, small colony variant and determine the outcome of its co-culture with Haemophilus influenzae. <i>Pathogens and Disease</i> , 2018 , 76,	4.2	6
132	Structural characterisation of the HT3 motif of the polyhistidine triad protein D from Streptococcus pneumoniae. <i>FEBS Letters</i> , 2018 , 592, 2341-2350	3.8	3
131	Systemic effects of Subtilase cytotoxin produced by Escherichia coli O113:H21. <i>Toxicon</i> , 2017 , 127, 49-55.8		6
130	The effect of gamma-irradiation conditions on the immunogenicity of whole-inactivated Influenza A virus vaccine. <i>Vaccine</i> , 2017 , 35, 1071-1079	4.1	25
129	GRP78 Is an Important Host Factor for Japanese Encephalitis Virus Entry and Replication in Mammalian Cells. <i>Journal of Virology</i> , 2017 , 91,	6.6	74
128	Physiological Exploration of the Long Term Evolutionary Selection against Expression of -Glycolylneuraminic Acid in the Brain. <i>Journal of Biological Chemistry</i> , 2017 , 292, 2557-2570	5.4	26
127	Host-to-Host Transmission of the Pneumococcus-New Victims of a Toxic Relationship. <i>Cell Host and Microbe</i> , 2017 , 21, 5-6	23.4	
126	Autoinducer 2 Signaling via the Phosphotransferase FruA Drives Galactose Utilization by Streptococcus pneumoniae, Resulting in Hypervirulence. <i>MBio</i> , 2017 , 8,	7.8	27
125	Structure aided design of a Neu5Gc specific lectin. <i>Scientific Reports</i> , 2017 , 7, 1495	4.9	12
124	Vacuolation Activity and Intracellular Trafficking of ArtB, the Binding Subunit of an AB5 Toxin Produced by Salmonella enterica Serovar Typhi. <i>Infection and Immunity</i> , 2017 , 85,	3.7	4
123	The Pneumococcal Alpha-Glycerophosphate Oxidase Enhances Nasopharyngeal Colonization through Binding to Host Glycoconjugates. <i>EBioMedicine</i> , 2017 , 18, 236-243	8.8	3
122	Chaperone-Driven Degradation of a Misfolded Proinsulin Mutant in Parallel With Restoration of Wild-Type Insulin Secretion. <i>Diabetes</i> , 2017 , 66, 741-753	0.9	17
121	Enhanced protective responses to a serotype-independent pneumococcal vaccine when combined with an inactivated influenza vaccine. <i>Clinical Science</i> , 2017 , 131, 169-180	6.5	14
120	Evaluation of robenidine analog NCL195 as a novel broad-spectrum antibacterial agent. <i>PLoS ONE</i> , 2017 , 12, e0183457	3.7	26

119	Zinc stress induces copper depletion in <i>Acinetobacter baumannii</i> . <i>BMC Microbiology</i> , 2017 , 17, 59	4.5	28
118	Lectin activity of the pneumococcal pilin proteins. <i>Scientific Reports</i> , 2017 , 7, 17784	4.9	7
117	Ouabain Protects Human Renal Cells against the Cytotoxic Effects of Shiga Toxin Type 2 and Subtilase Cytotoxin. <i>Toxins</i> , 2017 , 9,	4.9	6
116	Human pleural fluid is a potent growth medium for <i>Streptococcus pneumoniae</i> . <i>PLoS ONE</i> , 2017 , 12, e0188833	3.7	11
115	IL-17-producing $\gamma\delta$ T cells switch migratory patterns between resting and activated states. <i>Nature Communications</i> , 2017 , 8, 15632	17.4	58
114	Metal ion Toxicity and Oxidative Stress in <i>Streptococcus Pneumoniae</i> 2016 , 1184-1193		
113	Intranasal vaccination with Irradiated <i>Streptococcus pneumoniae</i> whole-cell vaccine provides serotype-independent protection mediated by B-cells and innate IL-17 responses. <i>Clinical Science</i> , 2016 , 130, 697-710	6.5	34
112	The Variable Region of Pneumococcal Pathogenicity Island 1 Is Responsible for Unusually High Virulence of a Serotype 1 Isolate. <i>Infection and Immunity</i> , 2016 , 84, 822-32	3.7	5
111	The First Histidine Triad Motif of PhtD Is Critical for Zinc Homeostasis in <i>Streptococcus pneumoniae</i> . <i>Infection and Immunity</i> , 2016 , 84, 407-15	3.7	27
110	Comparative Characterization of Shiga Toxin Type 2 and Subtilase Cytotoxin Effects on Human Renal Epithelial and Endothelial Cells Grown in Monolayer and Bilayer Conditions. <i>PLoS ONE</i> , 2016 , 11, e0158180	3.7	8
109	Dysregulation of transition metal ion homeostasis is the molecular basis for cadmium toxicity in <i>Streptococcus pneumoniae</i> . <i>Nature Communications</i> , 2015 , 6, 6418	17.4	77
108	Protection against Shiga-Toxigenic <i>Escherichia coli</i> by Non-Genetically Modified Organism Receptor Mimic Bacterial Ghosts. <i>Infection and Immunity</i> , 2015 , 83, 3526-33	3.7	6
107	Vaccine Potential of Pneumococcal Proteins 2015 , 59-78		2
106	Multivalent Pneumococcal Protein Vaccines Comprising Pneumolysin with Epitopes/Fragments of CbpA and/or PspA Elicit Strong and Broad Protection. <i>Vaccine Journal</i> , 2015 , 22, 1079-89		32
105	CCR2 defines in vivo development and homing of IL-23-driven GM-CSF-producing Th17 cells. <i>Nature Communications</i> , 2015 , 6, 8644	17.4	82
104	Characterizing the conformational dynamics of metal-free PsaA using molecular dynamics simulations and electron paramagnetic resonance spectroscopy. <i>Biophysical Chemistry</i> , 2015 , 207, 51-60	3.5	8
103	The outcome of <i>H. influenzae</i> and <i>S. pneumoniae</i> inter-species interactions depends on pH, nutrient availability and growth phase. <i>International Journal of Medical Microbiology</i> , 2015 , 305, 881-92	3.7	16
102	<i>Streptococcal toxins: role in pathogenesis and disease. Cellular Microbiology</i> , 2015 , 17, 1721-41	3.9	50

101	ZnuA and zinc homeostasis in <i>Pseudomonas aeruginosa</i> . <i>Scientific Reports</i> , 2015 , 5, 13139	4.9	74
100	Identification of markers that functionally define a quiescent multiple myeloma cell sub-population surviving bortezomib treatment. <i>BMC Cancer</i> , 2015 , 15, 444	4.8	19
99	Isolation site influences virulence phenotype of serotype 14 <i>Streptococcus pneumoniae</i> strains belonging to multilocus sequence type 15. <i>Infection and Immunity</i> , 2015 , 83, 4781-90	3.7	4
98	Imperfect coordination chemistry facilitates metal ion release in the Psa permease. <i>Nature Chemical Biology</i> , 2014 , 10, 35-41	11.7	103
97	Development of primary invasive pneumococcal disease caused by serotype 1 pneumococci is driven by early increased type I interferon response in the lung. <i>Infection and Immunity</i> , 2014 , 82, 3919-26	3.7	8
96	Spermidine biosynthesis and transport modulate pneumococcal autolysis. <i>Journal of Bacteriology</i> , 2014 , 196, 3556-61	3.5	22
95	Opposing unfolded-protein-response signals converge on death receptor 5 to control apoptosis. <i>Science</i> , 2014 , 345, 98-101	33.3	378
94	The impact of pneumolysin on the macrophage response to <i>Streptococcus pneumoniae</i> is strain-dependent. <i>PLoS ONE</i> , 2014 , 9, e103625	3.7	24
93	Effects of <i>Escherichia coli</i> subtilase cytotoxin and Shiga toxin 2 on primary cultures of human renal tubular epithelial cells. <i>PLoS ONE</i> , 2014 , 9, e87022	3.7	19
92	Extracellular zinc competitively inhibits manganese uptake and compromises oxidative stress management in <i>Streptococcus pneumoniae</i> . <i>PLoS ONE</i> , 2014 , 9, e89427	3.7	81
91	Acquisition and role of molybdate in <i>Pseudomonas aeruginosa</i> . <i>Applied and Environmental Microbiology</i> , 2014 , 80, 6843-52	4.8	23
90	A functional genomics catalogue of activated transcription factors during pathogenesis of pneumococcal disease. <i>BMC Genomics</i> , 2014 , 15, 769	4.5	15
89	Overlapping functionality of the Pht proteins in zinc homeostasis of <i>Streptococcus pneumoniae</i> . <i>Infection and Immunity</i> , 2014 , 82, 4315-24	3.7	27
88	A random six-phase switch regulates pneumococcal virulence via global epigenetic changes. <i>Nature Communications</i> , 2014 , 5, 5055	17.4	147
87	The cholesterol-dependent cytolysins pneumolysin and streptolysin O require binding to red blood cell glycans for hemolytic activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E5312-20	11.5	87
86	AdcA and AdcAll employ distinct zinc acquisition mechanisms and contribute additively to zinc homeostasis in <i>Streptococcus pneumoniae</i> . <i>Molecular Microbiology</i> , 2014 , 91, 834-51	4.1	76
85	Interplay between manganese and iron in pneumococcal pathogenesis: role of the orphan response regulator RitR. <i>Infection and Immunity</i> , 2013 , 81, 421-9	3.7	32
84	Site of isolation determines biofilm formation and virulence phenotypes of <i>Streptococcus pneumoniae</i> serotype 3 clinical isolates. <i>Infection and Immunity</i> , 2013 , 81, 505-13	3.7	15

83	Surface association of Pht proteins of <i>Streptococcus pneumoniae</i> . <i>Infection and Immunity</i> , 2013 , 81, 3644-51	3.7	26
82	Action of shiga toxin type-2 and subtilase cytotoxin on human microvascular endothelial cells. <i>PLoS ONE</i> , 2013 , 8, e70431	3.7	35
81	Vaccination against <i>Streptococcus pneumoniae</i> using truncated derivatives of polyhistidine triad protein D. <i>PLoS ONE</i> , 2013 , 8, e78916	3.7	23
80	Identification of genes that contribute to the pathogenesis of invasive pneumococcal disease by in vivo transcriptomic analysis. <i>Infection and Immunity</i> , 2012 , 80, 3268-78	3.7	50
79	<i>Streptococcus pneumoniae</i> uses glutathione to defend against oxidative stress and metal ion toxicity. <i>Journal of Bacteriology</i> , 2012 , 194, 6248-54	3.5	77
78	Bioengineered microbes in disease therapy. <i>Trends in Molecular Medicine</i> , 2012 , 18, 417-25	11.5	36
77	Polyhistidine triad proteins of pathogenic streptococci. <i>Trends in Microbiology</i> , 2012 , 20, 485-93	12.4	41
76	Identification of a novel pneumococcal vaccine antigen preferentially expressed during meningitis in mice. <i>Journal of Clinical Investigation</i> , 2012 , 122, 2208-20	15.9	41
75	Contribution of a genomic accessory region encoding a putative cellobiose phosphotransferase system to virulence of <i>Streptococcus pneumoniae</i> . <i>PLoS ONE</i> , 2012 , 7, e32385	3.7	18
74	A molecular mechanism for bacterial susceptibility to zinc. <i>PLoS Pathogens</i> , 2011 , 7, e1002357	7.6	281
73	Evicting the pneumococcus from its nasopharyngeal lodgings. <i>Cell Host and Microbe</i> , 2011 , 9, 89-91	23.4	1
72	A variable region within the genome of <i>Streptococcus pneumoniae</i> contributes to strain-strain variation in virulence. <i>PLoS ONE</i> , 2011 , 6, e19650	3.7	39
71	Extracellular matrix formation enhances the ability of <i>Streptococcus pneumoniae</i> to cause invasive disease. <i>PLoS ONE</i> , 2011 , 6, e19844	3.7	52
70	LuxS mediates iron-dependent biofilm formation, competence, and fratricide in <i>Streptococcus pneumoniae</i> . <i>Infection and Immunity</i> , 2011 , 79, 4550-8	3.7	83
69	Pneumolysin with low hemolytic activity confers an early growth advantage to <i>Streptococcus pneumoniae</i> in the blood. <i>Infection and Immunity</i> , 2011 , 79, 4122-30	3.7	36
68	Contribution of serotype and genetic background to virulence of serotype 3 and serogroup 11 pneumococcal isolates. <i>Infection and Immunity</i> , 2011 , 79, 4839-49	3.7	21
67	Designer Probiotics and Enteric Cytoprotection 2011 , 429-443		
66	Bioengineered bugs expressing oligosaccharide receptor mimics: toxin-binding probiotics for treatment and prevention of enteric infections. <i>Bioengineered Bugs</i> , 2010 , 1, 172-7		28

65	Escherichia coli subtilase cytotoxin induces apoptosis regulated by host Bcl-2 family proteins Bax/Bak. <i>Infection and Immunity</i> , 2010 , 78, 4691-6	3.7	27
64	Central role of manganese in regulation of stress responses, physiology, and metabolism in Streptococcus pneumoniae. <i>Journal of Bacteriology</i> , 2010 , 192, 4489-97	3.5	79
63	Targeting GRP78 to enhance melanoma cell death. <i>Pigment Cell and Melanoma Research</i> , 2010 , 23, 675-82	4.5	37
62	Structure, biological functions and applications of the AB5 toxins. <i>Trends in Biochemical Sciences</i> , 2010 , 35, 411-8	10.3	156
61	Streptococcus pneumoniae autolysis prevents phagocytosis and production of phagocyte-activating cytokines. <i>Infection and Immunity</i> , 2009 , 77, 3826-37	3.7	52
60	Subtilase cytotoxin cleaves newly synthesized BiP and blocks antibody secretion in B lymphocytes. <i>Journal of Experimental Medicine</i> , 2009 , 206, 2429-40	16.6	32
59	Pneumococcal histidine triad proteins are regulated by the Zn ²⁺ -dependent repressor AdcR and inhibit complement deposition through the recruitment of complement factor H. <i>FASEB Journal</i> , 2009 , 23, 731-8	0.9	99
58	A dietary non-human sialic acid may facilitate hemolytic-uremic syndrome. <i>Kidney International</i> , 2009 , 76, 140-4	9.9	24
57	Chaperone-targeting cytotoxin and endoplasmic reticulum stress-inducing drug synergize to kill cancer cells. <i>Neoplasia</i> , 2009 , 11, 1165-73	6.4	48
56	Incorporation of a non-human glycan mediates human susceptibility to a bacterial toxin. <i>Nature</i> , 2008 , 456, 648-52	50.4	174
55	The role of Streptococcus pneumoniae virulence factors in host respiratory colonization and disease. <i>Nature Reviews Microbiology</i> , 2008 , 6, 288-301	22.2	783
54	Subtilase cytotoxin activates PERK, IRE1 and ATF6 endoplasmic reticulum stress-signalling pathways. <i>Cellular Microbiology</i> , 2008 , 10, 1775-86	3.9	126
53	Pneumococcal virulence gene expression and host cytokine profiles during pathogenesis of invasive disease. <i>Infection and Immunity</i> , 2008 , 76, 646-57	3.7	54
52	Pneumolysin released during Streptococcus pneumoniae autolysis is a potent activator of intracellular oxygen radical production in neutrophils. <i>Infection and Immunity</i> , 2008 , 76, 4079-87	3.7	77
51	Pathologic changes in mice induced by subtilase cytotoxin, a potent new Escherichia coli AB5 toxin that targets the endoplasmic reticulum. <i>Journal of Infectious Diseases</i> , 2007 , 196, 1093-101	7	74
50	Development of a vaccine against invasive pneumococcal disease based on combinations of virulence proteins of Streptococcus pneumoniae. <i>Infection and Immunity</i> , 2007 , 75, 350-7	3.7	153
49	Differential expression of key pneumococcal virulence genes in vivo. <i>Microbiology (United Kingdom)</i> , 2006 , 152, 305-311	2.9	86
48	Pneumococcal neuraminidases A and B both have essential roles during infection of the respiratory tract and sepsis. <i>Infection and Immunity</i> , 2006 , 74, 4014-20	3.7	150

47	Attachment of capsular polysaccharide to the cell wall of <i>Streptococcus pneumoniae</i> type 2 is required for invasive disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 8505-10	11.5	109
46	A recombinant probiotic for treatment and prevention of cholera. <i>Gastroenterology</i> , 2006 , 130, 1688-95	13.3	76
45	Designer probiotics for prevention of enteric infections. <i>Nature Reviews Microbiology</i> , 2006 , 4, 193-200	22.2	76
44	AB5 subtilase cytotoxin inactivates the endoplasmic reticulum chaperone BiP. <i>Nature</i> , 2006 , 443, 548-52	50.4	296
43	Recombinant probiotics for treatment and prevention of enterotoxigenic <i>Escherichia coli</i> diarrhea. <i>Gastroenterology</i> , 2005 , 128, 1219-28	13.3	80
42	Protective immunization of mice with an active-site mutant of subtilase cytotoxin of Shiga toxin-producing <i>Escherichia coli</i> . <i>Infection and Immunity</i> , 2005 , 73, 4432-6	3.7	28
41	The two-component signal transduction system RR06/HK06 regulates expression of <i>cbpA</i> in <i>Streptococcus pneumoniae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 7701-6	11.5	40
40	A new family of potent AB(5) cytotoxins produced by Shiga toxin-producing <i>Escherichia coli</i> . <i>Journal of Experimental Medicine</i> , 2004 , 200, 35-46	16.6	262
39	Refinement of a therapeutic Shiga toxin-binding probiotic for human trials. <i>Journal of Infectious Diseases</i> , 2004 , 189, 1547-55	7	34
38	The effect that mutations in the conserved capsular polysaccharide biosynthesis genes <i>cpsA</i> , <i>cpsB</i> , and <i>cpsD</i> have on virulence of <i>Streptococcus pneumoniae</i> . <i>Journal of Infectious Diseases</i> , 2004 , 189, 1905-13	7	106
37	Molecular analysis of the <i>psa</i> permease complex of <i>Streptococcus pneumoniae</i> . <i>Molecular Microbiology</i> , 2004 , 53, 889-901	4.1	111
36	Immunizations with pneumococcal surface protein A and pneumolysin are protective against pneumonia in a murine model of pulmonary infection with <i>Streptococcus pneumoniae</i> . <i>Journal of Infectious Diseases</i> , 2003 , 188, 339-48	7	199
35	Mutation of <i>luxS</i> of <i>Streptococcus pneumoniae</i> affects virulence in a mouse model. <i>Infection and Immunity</i> , 2003 , 71, 3206-12	3.7	76
34	Recognition of pneumolysin by Toll-like receptor 4 confers resistance to pneumococcal infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 1966-71	11.5	563
33	The classical pathway is the dominant complement pathway required for innate immunity to <i>Streptococcus pneumoniae</i> infection in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 16969-74	11.5	294
32	Virulence of <i>Streptococcus pneumoniae</i> : <i>PsaA</i> mutants are hypersensitive to oxidative stress. <i>Infection and Immunity</i> , 2002 , 70, 1635-9	3.7	120
31	Role of RegM, a homologue of the catabolite repressor protein CcpA, in the virulence of <i>Streptococcus pneumoniae</i> . <i>Infection and Immunity</i> , 2002 , 70, 5454-61	3.7	101
30	The human complement regulator factor H binds pneumococcal surface protein PspC via short consensus repeats 13 to 15. <i>Infection and Immunity</i> , 2002 , 70, 5604-11	3.7	76

29	Neutralization of Shiga toxins Stx1, Stx2c, and Stx2e by recombinant bacteria expressing mimics of globotriose and globotetraose. <i>Infection and Immunity</i> , 2001 , 69, 1967-70	3.7	60
28	The autolytic enzyme LytA of <i>Streptococcus pneumoniae</i> is not responsible for releasing pneumolysin. <i>Journal of Bacteriology</i> , 2001 , 183, 3108-16	3.5	102
27	Protection against <i>Streptococcus pneumoniae</i> elicited by immunization with pneumolysin and CbpA. <i>Infection and Immunity</i> , 2001 , 69, 5997-6003	3.7	120
26	Oral administration of formaldehyde-killed recombinant bacteria expressing a mimic of the Shiga toxin receptor protects mice from fatal challenge with Shiga-toxigenic <i>Escherichia coli</i> . <i>Infection and Immunity</i> , 2001 , 69, 1389-93	3.7	42
25	Tyrosine phosphorylation of CpsD negatively regulates capsular polysaccharide biosynthesis in <i>Streptococcus pneumoniae</i> . <i>Molecular Microbiology</i> , 2000 , 35, 1431-42	4.1	174
24	A new biological agent for treatment of Shiga toxigenic <i>Escherichia coli</i> infections and dysentery in humans. <i>Nature Medicine</i> , 2000 , 6, 265-70	50.5	177
23	Intranasal immunization of mice with a mixture of the pneumococcal proteins PsaA and PspA is highly protective against nasopharyngeal carriage of <i>Streptococcus pneumoniae</i> . <i>Infection and Immunity</i> , 2000 , 68, 796-800	3.7	256
22	Additive attenuation of virulence of <i>Streptococcus pneumoniae</i> by mutation of the genes encoding pneumolysin and other putative pneumococcal virulence proteins. <i>Infection and Immunity</i> , 2000 , 68, 133-40	3.7	212
21	Immunization of mice with combinations of pneumococcal virulence proteins elicits enhanced protection against challenge with <i>Streptococcus pneumoniae</i> . <i>Infection and Immunity</i> , 2000 , 68, 3028-33	3.7	176
20	The potential for using protein vaccines to protect against otitis media caused by <i>Streptococcus pneumoniae</i> . <i>Vaccine</i> , 2000 , 19 Suppl 1, S87-95	4.1	101
19	Molecular and genetic characterization of the capsule biosynthesis locus of <i>Streptococcus pneumoniae</i> type 23F. <i>Microbiology (United Kingdom)</i> , 1999 , 145 (Pt 4), 781-789	2.9	28
18	Penicillin tolerance in <i>Streptococcus pneumoniae</i> , autolysis and the Psa ATP-binding cassette (ABC) manganese permease. <i>Molecular Microbiology</i> , 1999 , 32, 881-3	4.1	26
17	The NADH oxidase of <i>Streptococcus pneumoniae</i> : its involvement in competence and virulence. <i>Molecular Microbiology</i> , 1999 , 34, 1018-28	4.1	104
16	Comparative virulence of <i>Streptococcus pneumoniae</i> strains with insertion-duplication, point, and deletion mutations in the pneumolysin gene. <i>Infection and Immunity</i> , 1999 , 67, 981-5	3.7	71
15	Comparative genetics of capsular polysaccharide biosynthesis in <i>Streptococcus pneumoniae</i> types belonging to serogroup 19. <i>Journal of Bacteriology</i> , 1999 , 181, 5355-64	3.5	52
14	The crystal structure of pneumococcal surface antigen PsaA reveals a metal-binding site and a novel structure for a putative ABC-type binding protein. <i>Structure</i> , 1998 , 6, 1553-61	5.2	191
13	Recombinational exchanges at the capsular polysaccharide biosynthetic locus lead to frequent serotype changes among natural isolates of <i>Streptococcus pneumoniae</i> . <i>Molecular Microbiology</i> , 1998 , 27, 73-83	4.1	267
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11	Pathogenesis and diagnosis of Shiga toxin-producing Escherichia coli infections. <i>Clinical Microbiology Reviews</i> , 1998 , 11, 450-79	34	1073
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