

Gerald B Pier

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.

235 papers	15,606 citations	69 h-index	117 g-index
317 ext. papers	17,623 ext. citations	7.4 avg, IF	6.42 L-index

#	Paper	IF	Citations
235	A -plasmid allows aminoglycosides to induce SOS in .. <i>ELife</i> , 2022 , 11,	8.9	1
234	Experimental Urethral Infection with Neisseria gonorrhoeae.. <i>Current Topics in Microbiology and Immunology</i> , 2022 , 1	3.3	0
233	Randomized, controlled trial comparing Rhodococcus equi and poly-N-acetyl glucosamine hyperimmune plasma to prevent R equi pneumonia in foals. <i>Journal of Veterinary Internal Medicine</i> , 2021 ,	3.1	2
232	Pseudomonas aeruginosa-induced nociceptor activation increases susceptibility to infection. <i>PLoS Pathogens</i> , 2021 , 17, e1009557	7.6	2
231	COVID-19 is a systemic vascular hemopathy: insight for mechanistic and clinical aspects. <i>Angiogenesis</i> , 2021 , 24, 755-788	10.6	26
230	Antibody activities in hyperimmune plasma against the Rhodococcus equi virulence -associated protein A or poly-N-acetyl glucosamine are associated with protection of foals against rhodococcal pneumonia. <i>PLoS ONE</i> , 2021 , 16, e0250133	3.7	1
229	Serum Antibody Activity against Poly--Acetyl Glucosamine (PNAG), but Not PNAG Vaccination Status, Is Associated with Protecting Newborn Foals against Intrabronchial Infection with Rhodococcus equi. <i>Microbiology Spectrum</i> , 2021 , 9, e0063821	8.9	1
228	Vaccination against the broadly expressed microbial antigen PNAG prevents cognitive decline in the APP-PS1 mouse model of Alzheimer's disease.. <i>Alzheimer's and Dementia</i> , 2021 , 17 Suppl 3, e053793 ^{1,2}		
227	Vaccination of yearling horses against poly-N-acetyl glucosamine fails to protect against infection with Streptococcus equi subspecies equi. <i>PLoS ONE</i> , 2020 , 15, e0240479	3.7	1
226	Antibody recognition of bacterial surfaces and extracellular polysaccharides. <i>Current Opinion in Structural Biology</i> , 2020 , 62, 48-55	8.1	14
225	Broadly protective semi-synthetic glycoconjugate vaccine against pathogens capable of producing poly-(1->6)-N-acetyl-d-glucosamine exopolysaccharide. <i>Drug Discovery Today: Technologies</i> , 2020 , 35-36, 13-21	7.1	3
224	Glycomics Microarrays Reveal Differential In Situ Presentation of the Biofilm Polysaccharide Poly--acetylglucosamine on and Cell Surfaces. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	12
223	Vaccination of yearling horses against poly-N-acetyl glucosamine fails to protect against infection with Streptococcus equi subspecies equi 2020 , 15, e0240479		
222	Vaccination of yearling horses against poly-N-acetyl glucosamine fails to protect against infection with Streptococcus equi subspecies equi 2020 , 15, e0240479		
221	Vaccination of yearling horses against poly-N-acetyl glucosamine fails to protect against infection with Streptococcus equi subspecies equi 2020 , 15, e0240479		
220	PNAG-specific equine IgG mediates significantly greater opsonization and killing of Prescottella equi (formerly Rhodococcus equi) than does IgG. <i>Vaccine</i> , 2019 , 37, 1142-1150	4.1	7
219	In vitro evaluation of complement deposition and opsonophagocytic killing of Rhodococcus equi mediated by poly-N-acetyl glucosamine hyperimmune plasma compared to commercial plasma products. <i>Journal of Veterinary Internal Medicine</i> , 2019 , 33, 1493-1499	3.1	7

218	PolyGlcNAc-containing exopolymers enable surface penetration by non-motile <i>Enterococcus faecalis</i> . <i>PLoS Pathogens</i> , 2019 , 15, e1007571	7.6	18
217	A Conserved Streptococcal Virulence Regulator Controls the Expression of a Distinct Class of M-Like Proteins. <i>MBio</i> , 2019 , 10,	7.8	4
216	Vaccination Against Poly-N-Acetylglucosamine Decreases Neutrophil Activation and GVHD While Maintaining Microbial Diversity. <i>Blood</i> , 2019 , 134, 3209-3209	2.2	
215	Immunization against poly-N-acetylglucosamine reduces neutrophil activation and GVHD while sparing microbial diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 20700-20706	11.5	15
214	Inhibition of <i>Pseudomonas aeruginosa</i> and <i>Mycobacterium tuberculosis</i> disulfide bond forming enzymes. <i>Molecular Microbiology</i> , 2019 , 111, 918-937	4.1	10
213	Macrophage FABP4 is required for neutrophil recruitment and bacterial clearance in <i>Pseudomonas aeruginosa</i> pneumonia. <i>FASEB Journal</i> , 2019 , 33, 3562-3574	0.9	11
212	Structural basis for antibody targeting of the broadly expressed microbial polysaccharide poly-N-acetylglucosamine. <i>Journal of Biological Chemistry</i> , 2018 , 293, 5079-5089	5.4	25
211	Immunization with outer membrane vesicles displaying conserved surface polysaccharide antigen elicits broadly antimicrobial antibodies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E3106-E3115	11.5	47
210	Antibodies to Conserved Surface Polysaccharides Protect Mice Against Bacterial Conjunctivitis 2018 , 59, 2512-2519		8
209	Production of poly-N,6-N-acetylglucosamine by MatAB is required for hyphal aggregation and hydrophilic surface adhesion by. <i>Microbial Cell</i> , 2018 , 5, 269-279	3.9	11
208	Antibody to Poly-N-acetyl glucosamine provides protection against intracellular pathogens: Mechanism of action and validation in horse foals challenged with <i>Rhodococcus equi</i> . <i>PLoS Pathogens</i> , 2018 , 14, e1007160	7.6	21
207	PgaB orthologues contain a glycoside hydrolase domain that cleaves deacetylated poly-N(1,6)-N-acetylglucosamine and can disrupt bacterial biofilms. <i>PLoS Pathogens</i> , 2018 , 14, e1006998	7.6	38
206	A Novel Repressor of the <i>ica</i> Locus Discovered in Clinically Isolated Super-Biofilm-Elaborating <i>Staphylococcus aureus</i> . <i>MBio</i> , 2017 , 8,	7.8	18
205	Immune Recognition of the Epidemic Cystic Fibrosis Pathogen <i>Burkholderia dolosa</i> . <i>Infection and Immunity</i> , 2017 , 85,	3.7	3
204	Complexity of Complement Resistance Factors Expressed by Needed for Survival in Human Serum. <i>Journal of Immunology</i> , 2017 , 199, 2803-2814	5.3	20
203	Active and Passive Immunization Against <i>Staphylococcus aureus</i> Periprosthetic Osteomyelitis in Rats. <i>In Vivo</i> , 2017 , 31, 45-50	2.3	8
202	Characterization of an in vitro fed-batch model to obtain cells released from <i>S. epidermidis</i> biofilms. <i>AMB Express</i> , 2016 , 6, 23	4.1	20
201	Impact of Drug Resistance on Virulence and Fitness of Bacterial Pathogens. <i>Critical Care Medicine</i> , 2016 , 44, e50	1.4	2

200	Extended-spectrum antibodies protective against carbapenemase-producing Enterobacteriaceae. <i>Journal of Antimicrobial Chemotherapy</i> , 2016 , 71, 927-35	5.1	17
199	Absence of TLR11 in Mice Does Not Confer Susceptibility to Salmonella Typhi. <i>Cell</i> , 2016 , 164, 827-8	56.2	15
198	The exceptionally broad-based potential of active and passive vaccination targeting the conserved microbial surface polysaccharide PNAG. <i>Expert Review of Vaccines</i> , 2016 , 15, 1041-53	5.2	28
197	Novel vaccine antigen combinations elicit protective immune responses against Escherichia coli sepsis. <i>Vaccine</i> , 2016 , 34, 656-662	4.1	16
196	Efficacy of Antibody to PNAG Against Keratitis Caused by Fungal Pathogens 2016 , 57, 6797-6804		11
195	Transcriptomic Analysis of Staphylococcus epidermidis Biofilm-Released Cells upon Interaction with Human Blood Circulating Immune Cells and Soluble Factors. <i>Frontiers in Microbiology</i> , 2016 , 7, 1143	5.7	4
194	Biofilm-Released Cells Induce a Prompt and More Marked Inflammatory-Type Response than Planktonic or Biofilm Cells. <i>Frontiers in Microbiology</i> , 2016 , 7, 1530	5.7	9
193	Antibiotic resistance and virulence: Understanding the link and its consequences for prophylaxis and therapy. <i>BioEssays</i> , 2016 , 38, 682-93	4.1	24
192	Distinct Mechanisms Underlie Boosted Polysaccharide-Specific IgG Responses Following Secondary Challenge with Intact Gram-Negative versus Gram-Positive Extracellular Bacteria. <i>Journal of Immunology</i> , 2016 , 196, 4614-21	5.3	1
191	Poly-N-Acetylglucosamine Production by Staphylococcus epidermidis Cells Increases Their In Vivo Proinflammatory Effect. <i>Infection and Immunity</i> , 2016 , 84, 2933-43	3.7	6
190	Intestinal Microbiota of Mice Influences Resistance to Staphylococcus aureus Pneumonia. <i>Infection and Immunity</i> , 2015 , 83, 4003-14	3.7	113
189	Fitness cost of antibiotic susceptibility during bacterial infection. <i>Science Translational Medicine</i> , 2015 , 7, 297ra114	17.5	88
188	Identification of Poly-N-acetylglucosamine as a Major Polysaccharide Component of the Bacillus subtilis Biofilm Matrix. <i>Journal of Biological Chemistry</i> , 2015 , 290, 19261-72	5.4	65
187	Comparative proteomic and transcriptomic profile of Staphylococcus epidermidis biofilms grown in glucose-enriched medium. <i>Talanta</i> , 2015 , 132, 705-12	6.2	9
186	Structural Relationship of the Lipid A Acyl Groups to Activation of Murine Toll-Like Receptor 4 by Lipopolysaccharides from Pathogenic Strains of Burkholderia mallei, Acinetobacter baumannii, and Pseudomonas aeruginosa. <i>Frontiers in Immunology</i> , 2015 , 6, 595	8.4	29
185	Dormancy within Staphylococcus epidermidis biofilms: a transcriptomic analysis by RNA-seq. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 2585-96	5.7	21
184	Alterations in the Staphylococcus epidermidis biofilm transcriptome following interaction with whole human blood. <i>Pathogens and Disease</i> , 2014 , 70, 444-8	4.2	16
183	Dormant bacteria within Staphylococcus epidermidis biofilms have low inflammatory properties and maintain tolerance to vancomycin and penicillin after entering planktonic growth. <i>Journal of Medical Microbiology</i> , 2014 , 63, 1274-1283	3.2	20

182	Microbiota-driven immune cellular maturation is essential for antibody-mediated adaptive immunity to <i>Staphylococcus aureus</i> infection in the eye. <i>Infection and Immunity</i> , 2014 , 82, 3483-91	3.7	16
181	A Poly-N-acetylglucosamine-Shiga toxin broad-spectrum conjugate vaccine for Shiga toxin-producing <i>Escherichia coli</i> . <i>MBio</i> , 2014 , 5, e00974-14	7.8	16
180	BIIL 284 reduces neutrophil numbers but increases <i>P. aeruginosa</i> bacteremia and inflammation in mouse lungs. <i>Journal of Cystic Fibrosis</i> , 2014 , 13, 156-63	4.1	47
179	The persistence of biofilm-associated antibiotic resistance of <i>Staphylococcus aureus</i> isolated from clinical bovine mastitis cases in Australia. <i>Folia Microbiologica</i> , 2013 , 58, 469-74	2.8	20
178	Antibody to a conserved antigenic target is protective against diverse prokaryotic and eukaryotic pathogens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E2209-18	11.5	110
177	Enhanced in vivo fitness of carbapenem-resistant <i>oprD</i> mutants of <i>Pseudomonas aeruginosa</i> revealed through high-throughput sequencing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 20747-52	11.5	84
176	A novel knee prosthesis model of implant-related osteomyelitis in rats. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2013 , 84, 92-7	4.3	16
175	Cochlin produced by follicular dendritic cells promotes antibacterial innate immunity. <i>Immunity</i> , 2013 , 38, 1063-72	32.3	42
174	Linear and cyclic oligo- β -(1 \rightarrow 6)-D-glucosamines: Synthesis, conformations, and applications for design of a vaccine and oligodentate glycoconjugates. <i>Pure and Applied Chemistry</i> , 2013 , 85, 1879-1891	2.1	13
173	A comprehensive analysis of in vitro and in vivo genetic fitness of <i>Pseudomonas aeruginosa</i> using high-throughput sequencing of transposon libraries. <i>PLoS Pathogens</i> , 2013 , 9, e1003582	7.6	112
172	Will there ever be a universal <i>Staphylococcus aureus</i> vaccine?. <i>Human Vaccines and Immunotherapeutics</i> , 2013 , 9, 1865-76	4.4	35
171	Collaboration between macrophages and vaccine-induced CD4 ⁺ T cells confers protection against lethal <i>Pseudomonas aeruginosa</i> pneumonia during neutropenia. <i>Journal of Infectious Diseases</i> , 2013 , 207, 39-49	7	18
170	Homotrimeric macrophage migration inhibitory factor (MIF) drives inflammatory responses in the corneal epithelium by promoting caveolin-rich platform assembly in response to infection. <i>Journal of Biological Chemistry</i> , 2013 , 288, 8269-8278	5.4	9
169	<i>Staphylococcus aureus</i> corneal infections: effect of the Panton-Valentine leukocidin (PVL) and antibody to PVL on virulence and pathology 2013 , 54, 4430-8		23
168	Monoclonal antibody raised against PNAG has variable effects on static <i>S. epidermidis</i> biofilm accumulation in vitro. <i>International Journal of Biological Sciences</i> , 2013 , 9, 518-20	11.2	16
167	The challenges and promises of new therapies for cystic fibrosis. <i>Journal of Experimental Medicine</i> , 2012 , 209, 1235-9	16.6	44
166	Refers to: J.-P. Rasigade, N. Sicot, F. Laurent, G. Lina, F. Vandenesch, J. Etienne, A history of Panton-Valentine leukocidin (PVL)-associated infection protects against death in PVL-associated pneumonia, Vaccine 29 (25) (2011) 4185-4186. <i>Vaccine</i> , 2012 , 30, 2045-6	4.1	
165	Synthesis of pentasaccharides corresponding to the glycoform II of the outer core region of the <i>Pseudomonas aeruginosa</i> lipopolysaccharide. <i>Carbohydrate Research</i> , 2012 , 360, 56-68	2.9	13

164	Opsonic and protective properties of antibodies raised to conjugate vaccines targeting six <i>Staphylococcus aureus</i> antigens. <i>PLoS ONE</i> , 2012 , 7, e46648	3.7	37
163	Identification of Ata, a multifunctional trimeric autotransporter of <i>Acinetobacter baumannii</i> . <i>Journal of Bacteriology</i> , 2012 , 194, 3950-60	3.5	73
162	Evaluation of the trimeric autotransporter Ata as a vaccine candidate against <i>Acinetobacter baumannii</i> infections. <i>Infection and Immunity</i> , 2012 , 80, 3381-8	3.7	81
161	Methicillin resistance alters the biofilm phenotype and attenuates virulence in <i>Staphylococcus aureus</i> device-associated infections. <i>PLoS Pathogens</i> , 2012 , 8, e1002626	7.6	189
160	Targeting pan-resistant bacteria with antibodies to a broadly conserved surface polysaccharide expressed during infection. <i>Journal of Infectious Diseases</i> , 2012 , 205, 1709-18	7	36
159	Natural antibodies in normal human serum inhibit <i>Staphylococcus aureus</i> capsular polysaccharide vaccine efficacy. <i>Clinical Infectious Diseases</i> , 2012 , 55, 1188-97	11.6	37
158	Immune-activating properties of Pantone-Valentine leukocidin improve the outcome in a model of methicillin-resistant <i>Staphylococcus aureus</i> pneumonia. <i>Infection and Immunity</i> , 2012 , 80, 2894-904	3.7	40
157	Hepoxilin A(3) facilitates neutrophilic breach of lipoxygenase-expressing airway epithelial barriers. <i>Journal of Immunology</i> , 2012 , 189, 4960-9	5.3	27
156	Topical neutralization of interleukin-17 during experimental <i>Pseudomonas aeruginosa</i> corneal infection promotes bacterial clearance and reduces pathology. <i>Infection and Immunity</i> , 2012 , 80, 3706-12	3.7	26
155	Poly-N-acetyl- β (1-6)-glucosamine is a target for protective immunity against <i>Acinetobacter baumannii</i> infections. <i>Infection and Immunity</i> , 2012 , 80, 651-6	3.7	69
154	Magic bullets for the 21st century: the reemergence of immunotherapy for multi- and pan-resistant microbes. <i>Journal of Antimicrobial Chemotherapy</i> , 2012 , 67, 2785-7	5.1	26
153	Poly-N-acetylglucosamine expression by wild-type <i>Yersinia pestis</i> is maximal at mammalian, not flea, temperatures. <i>MBio</i> , 2012 , 3, e00217-12	7.8	14
152	Synthesis and evaluation of a conjugate vaccine composed of <i>Staphylococcus aureus</i> poly-N-acetyl-glucosamine and clumping factor A. <i>PLoS ONE</i> , 2012 , 7, e43813	3.7	21
151	<i>Staphylococcus epidermidis</i> biofilms with higher proportions of dormant bacteria induce a lower activation of murine macrophages. <i>Journal of Medical Microbiology</i> , 2011 , 60, 1717-1724	3.2	49
150	RNA isolation of <i>Pseudomonas aeruginosa</i> colonizing the murine gastrointestinal tract. <i>Journal of Visualized Experiments</i> , 2011 ,	1.6	6
149	CD74 deficiency ameliorates <i>Pseudomonas aeruginosa</i> -induced ocular infection. <i>Scientific Reports</i> , 2011 , 1, 58	4.9	7
148	Cystic fibrosis: an-ion transport issue?. <i>Nature Medicine</i> , 2011 , 17, 166-7	50.5	2
147	NMR and conformational studies of linear and cyclic oligo-(1 \rightarrow 6)-D-glucosamines. <i>Carbohydrate Research</i> , 2011 , 346, 2499-510	2.9	15

146	Synthesis of five nona- β (1 \rightarrow 6)-d-glucosamines with various patterns of N-acetylation corresponding to the fragments of exopolysaccharide of <i>Staphylococcus aureus</i> . <i>Carbohydrate Research</i> , 2011 , 346, 905-13	2.9	9
145	Efficacy of a conjugate vaccine containing polymannuronic acid and flagellin against experimental <i>Pseudomonas aeruginosa</i> lung infection in mice. <i>Infection and Immunity</i> , 2011 , 79, 3455-64	3.7	48
144	Mucosal vaccination with a multivalent, live-attenuated vaccine induces multifactorial immunity against <i>Pseudomonas aeruginosa</i> acute lung infection. <i>Infection and Immunity</i> , 2011 , 79, 1289-99	3.7	45
143	Utility of in vivo transcription profiling for identifying <i>Pseudomonas aeruginosa</i> genes needed for gastrointestinal colonization and dissemination. <i>PLoS ONE</i> , 2010 , 5, e15131	3.7	17
142	Role of neutrophils, MyD88-mediated neutrophil recruitment, and complement in antibody-mediated defense against <i>Pseudomonas aeruginosa</i> keratitis 2010 , 51, 2085-93		30
141	Evaluation of flagella and flagellin of <i>Pseudomonas aeruginosa</i> as vaccines. <i>Infection and Immunity</i> , 2010 , 78, 746-55	3.7	98
140	Is exposure to mercury a driving force for the carriage of antibiotic resistance genes?. <i>Journal of Medical Microbiology</i> , 2010 , 59, 804-807	3.2	40
139	Analysis of acquisition of <i>Pseudomonas aeruginosa</i> gastrointestinal mucosal colonization and horizontal transmission in a murine model. <i>Journal of Infectious Diseases</i> , 2010 , 201, 71-80	7	7
138	High levels of antibody to panton-valentine leukocidin are not associated with resistance to <i>Staphylococcus aureus</i> -associated skin and soft-tissue infection. <i>Clinical Infectious Diseases</i> , 2010 , 51, 1138-46	11.6	49
137	Antibody-mediated enhancement of community-acquired methicillin-resistant <i>Staphylococcus aureus</i> infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 2241-6	11.5	61
136	Inhibition of macrophage migration inhibitory factor ameliorates ocular <i>Pseudomonas aeruginosa</i> -induced keratitis. <i>PLoS Pathogens</i> , 2010 , 6, e1000826	7.6	34
135	Alveolar inflammation in cystic fibrosis. <i>Journal of Cystic Fibrosis</i> , 2010 , 9, 217-27	4.1	90
134	Caveolin-1 modifies the immunity to <i>Pseudomonas aeruginosa</i> . <i>Journal of Immunology</i> , 2010 , 184, 296-302	3.2	40
133	Synthetic β -(1 \rightarrow 6)-linked N-acetylated and nonacetylated oligoglucosamines used to produce conjugate vaccines for bacterial pathogens. <i>Infection and Immunity</i> , 2010 , 78, 764-72	3.7	90
132	Animal and human antibodies to distinct <i>Staphylococcus aureus</i> antigens mutually neutralize opsonic killing and protection in mice. <i>Journal of Clinical Investigation</i> , 2010 , 120, 3220-33	15.9	46
131	<i>Pseudomonas aeruginosa</i> 2010 , 2835-2860		17
130	The pgaABCD locus of <i>Acinetobacter baumannii</i> encodes the production of poly- β -1-6-N-acetylglucosamine, which is critical for biofilm formation. <i>Journal of Bacteriology</i> , 2009 , 191, 5953-63	3.5	232
129	Cystic fibrosis transmembrane conductance regulator and caveolin-1 regulate epithelial cell internalization of <i>Pseudomonas aeruginosa</i> . <i>American Journal of Physiology - Cell Physiology</i> , 2009 , 297, C263-77	5.4	50

128	Inescapable need for neutrophils as mediators of cellular innate immunity to acute <i>Pseudomonas aeruginosa</i> pneumonia. <i>Infection and Immunity</i> , 2009 , 77, 5300-10	3.7	118
127	IL1B polymorphisms modulate cystic fibrosis lung disease. <i>Pediatric Pulmonology</i> , 2009 , 44, 580-93	3.5	43
126	Inactivation of the rhlA gene in <i>Pseudomonas aeruginosa</i> prevents rhamnolipid production, disabling the protection against polymorphonuclear leukocytes. <i>Apmis</i> , 2009 , 117, 537-46	3.4	143
125	Airway epithelial control of <i>Pseudomonas aeruginosa</i> infection in cystic fibrosis. <i>Trends in Molecular Medicine</i> , 2008 , 14, 120-33	11.5	79
124	Vaccines and immunotherapy against <i>Pseudomonas aeruginosa</i> . <i>Vaccine</i> , 2008 , 26, 1011-24	4.1	131
123	First synthesis of pentasaccharide glycoform I of the outer core region of the <i>Pseudomonas aeruginosa</i> lipopolysaccharide. <i>Journal of Organic Chemistry</i> , 2008 , 73, 8411-21	4.2	28
122	ClpXP proteases positively regulate alginate overexpression and mucoid conversion in <i>Pseudomonas aeruginosa</i> . <i>Microbiology (United Kingdom)</i> , 2008 , 154, 2119-2130	2.9	78
121	Prophylactic and therapeutic efficacy of a fully human immunoglobulin G1 monoclonal antibody to <i>Pseudomonas aeruginosa</i> alginate in murine keratitis infection. <i>Infection and Immunity</i> , 2008 , 76, 4720-5	3.7	16
120	IL-17 is a critical component of vaccine-induced protection against lung infection by lipopolysaccharide-heterologous strains of <i>Pseudomonas aeruginosa</i> . <i>Journal of Immunology</i> , 2008 , 181, 4965-75	5.3	96
119	Mucosal damage and neutropenia are required for <i>Candida albicans</i> dissemination. <i>PLoS Pathogens</i> , 2008 , 4, e35	7.6	247
118	On the greatly exaggerated reports of the death of infectious diseases. <i>Clinical Infectious Diseases</i> , 2008 , 47, 1113-4	11.6	13
117	Disruption of CFTR-dependent lipid rafts reduces bacterial levels and corneal disease in a murine model of <i>Pseudomonas aeruginosa</i> keratitis. <i>Investigative Ophthalmology and Visual Science</i> , 2008 , 49, 1000-9		35
116	Predictors of mucoid <i>Pseudomonas</i> colonization in cystic fibrosis patients. <i>Pediatric Pulmonology</i> , 2008 , 43, 463-71	3.5	48
115	Wall teichoic acids are dispensable for anchoring the PNAG exopolysaccharide to the <i>Staphylococcus aureus</i> cell surface. <i>Microbiology (United Kingdom)</i> , 2008 , 154, 865-877	2.9	74
114	Protection against <i>Escherichia coli</i> infection by antibody to the <i>Staphylococcus aureus</i> poly-N-acetylglucosamine surface polysaccharide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 7528-33	11.5	64
113	Effect of deletion of the lpxM gene on virulence and vaccine potential of <i>Yersinia pestis</i> in mice. <i>Journal of Medical Microbiology</i> , 2007 , 56, 443-453	3.2	31
112	Synthesis of beta-(1-->6)-linked glucosamine oligosaccharides corresponding to fragments of the bacterial surface polysaccharide poly-N-acetylglucosamine. <i>Carbohydrate Research</i> , 2007 , 342, 567-75	2.9	47
111	Inflammatory markers of lung disease in adult patients with cystic fibrosis. <i>Pediatric Pulmonology</i> , 2007 , 42, 256-62	3.5	53

110	Intranasal immunization with heterologously expressed polysaccharide protects against multiple <i>Pseudomonas aeruginosa</i> infections. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 4624-9	11.5	57
109	Resistance to <i>Pseudomonas aeruginosa</i> chronic lung infection requires cystic fibrosis transmembrane conductance regulator-modulated interleukin-1 (IL-1) release and signaling through the IL-1 receptor. <i>Infection and Immunity</i> , 2007 , 75, 1598-608	3.7	60
108	Is <i>Pseudomonas aeruginosa</i> exotoxin A a good carrier protein for conjugate vaccines?. <i>Hum Vaccin</i> , 2007 , 3, 39-40; author reply 41		4
107	Molecular basis for preferential protective efficacy of antibodies directed to the poorly acetylated form of staphylococcal poly-N-acetyl-beta-(1-6)-glucosamine. <i>Infection and Immunity</i> , 2007 , 75, 3406-13	3.7	97
106	<i>Pseudomonas aeruginosa</i> lipopolysaccharide: a major virulence factor, initiator of inflammation and target for effective immunity. <i>International Journal of Medical Microbiology</i> , 2007 , 297, 277-95	3.7	155
105	Host resistance to lung infection mediated by major vault protein in epithelial cells. <i>Science</i> , 2007 , 317, 130-2	33.3	98
104	Relationship of the lipopolysaccharide structure of <i>Yersinia pestis</i> to resistance to antimicrobial factors. <i>Advances in Experimental Medicine and Biology</i> , 2007 , 603, 88-96	3.6	28
103	A live-attenuated <i>Pseudomonas aeruginosa</i> vaccine elicits outer membrane protein-specific active and passive protection against corneal infection. <i>Infection and Immunity</i> , 2006 , 74, 975-83	3.7	32
102	Conserved and variable structural features in the lipopolysaccharide of <i>Pseudomonas aeruginosa</i> . <i>Journal of Endotoxin Research</i> , 2006 , 12, 324-36		91
101	Airway epithelial (nasal) cell monolayers used to study <i>Pseudomonas aeruginosa</i> invasion are hyperpolarized and not representative of the human airway epithelium. <i>Infection and Immunity</i> , 2006 , 74, 7043; author reply 7043-4	3.7	2
100	Comparative antibody-mediated phagocytosis of <i>Staphylococcus epidermidis</i> cells grown in a biofilm or in the planktonic state. <i>Infection and Immunity</i> , 2006 , 74, 4849-55	3.7	141
99	Characterization of the opsonic and protective activity against <i>Staphylococcus aureus</i> of fully human monoclonal antibodies specific for the bacterial surface polysaccharide poly-N-acetylglucosamine. <i>Infection and Immunity</i> , 2006 , 74, 2742-50	3.7	96
98	Comparative Antibody-Mediated Phagocytosis of <i>Staphylococcus epidermidis</i> Cells Grown in a Biofilm or in the Planktonic State. <i>Infection and Immunity</i> , 2006 , 74, 6023-6023	3.7	78
97	Review: Conserved and variable structural features in the lipopolysaccharide of <i>Pseudomonas aeruginosa</i> . <i>Journal of Endotoxin Research</i> , 2006 , 12, 324-336		10
96	Structures of the core oligosaccharide and O-units in the R- and SR-type lipopolysaccharides of reference strains of <i>Pseudomonas aeruginosa</i> O-serogroups. <i>FEMS Immunology and Medical Microbiology</i> , 2006 , 46, 85-99		48
95	Synthesis of a common trisaccharide fragment of glycoforms of the outer core region of the <i>Pseudomonas aeruginosa</i> lipopolysaccharide. <i>Tetrahedron Letters</i> , 2006 , 47, 3583-3587	2	33
94	Application of vaccine technology to prevention of <i>Pseudomonas aeruginosa</i> infections. <i>Expert Review of Vaccines</i> , 2005 , 4, 645-56	5.2	32
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