Mark J Walker

List of Publications by Year
in descending order

198 papers	15,406 citations	31976 53 h-index	20358 116 g-index
204 all docs	204 docs citations	204 times ranked	22978 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Antimicrobial Resistance in ESKAPE Pathogens. Clinical Microbiology Reviews, 2020, 33, .	13.6	898
3	Disease Manifestations and Pathogenic Mechanisms of Group A Streptococcus. Clinical Microbiology Reviews, 2014, 27, 264-301.	13.6	668
4	DNase Sda1 provides selection pressure for a switch to invasive group A streptococcal infection. Nature Medicine, 2007, 13, 981-985.	30.7	371
5	Molecular insight into invasive group A streptococcal disease. Nature Reviews Microbiology, 2011, 9, 724-736.	28.6	337
6	The Role of Copper and Zinc Toxicity in Innate Immune Defense against Bacterial Pathogens. Journal of Biological Chemistry, 2015, 290, 18954-18961.	3.4	324
7	A Systematic and Functional Classification of Streptococcus pyogenes That Serves as a New Tool for Molecular Typing and Vaccine Development. Journal of Infectious Diseases, 2014, 210, 1325-1338.	4.0	257
8	Streptococcus agalactiae clones infecting humans were selected and fixed through the extensive use of tetracycline. Nature Communications, 2014, 5, 4544.	12.8	208
9	Trigger for group A streptococcal M1T1 invasive disease. FASEB Journal, 2006, 20, 1745-1747.	0.5	140
10	Emergence of scarlet fever Streptococcus pyogenes emm12 clones in Hong Kong is associated with toxin acquisition and multidrug resistance. Nature Genetics, 2015, 47, 84-87.	21.4	135
11	The Globally Disseminated M1T1 Clone of Group A Streptococcus Evades Autophagy for Intracellular Replication. Cell Host and Microbe, 2013, 14, 675-682.	11.0	134
12	Distribution of Intimin Subtypes among Escherichia coli Isolates from Ruminant and Human Sources. Journal of Clinical Microbiology, 2003, 41, 5022-5032.	3.9	131
13	An Antimicrobial Role for Zinc in Innate Immune Defense Against Group A Streptococcus. Journal of Infectious Diseases, 2014, 209, 1500-1508.	4.0	123
14	The Classical Lancefield Antigen of Group A Streptococcus Is a Virulence Determinant with Implications for Vaccine Design. Cell Host and Microbe, 2014, 15, 729-740.	11.0	121
15	Atlas of group A streptococcal vaccine candidates compiled using large-scale comparative genomics. Nature Genetics, 2019, 51, 1035-1043.	21.4	120
16	M Protein and Hyaluronic Acid Capsule Are Essential for In Vivo Selection of covRS Mutations Characteristic of Invasive Serotype M1T1 Group A Streptococcus. MBio, 2010, 1, .	4.1	116
17	The cholesterol-dependent cytolysins pneumolysin and streptolysin O require binding to red blood cell glycans for hemolytic activity. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5312-20.	7.1	110
18	Distribution of Class 1 Integrons with IS26-Mediated Deletions in Their 3â€²-Conserved Segments in Escherichia coli of Human and Animal Origin. PLoS ONE, 2010, 5, e12754.	2.5	108

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19	New understanding of the group A Streptococcus pathogenesis cycle. Trends in Microbiology, 2007, 15, 318-325.	7.7	103
20	Zinc disrupts central carbon metabolism and capsule biosynthesis in Streptococcus pyogenes. Scientific Reports, 2015, 5, 10799.	3.3	100
21	Surface Analyses and Immune Reactivities of Major Cell Wall-Associated Proteins of Group A Streptococcus. Infection and Immunity, 2005, 73, 3137-3146.	2.2	99
22	stx 1c Is the Most Common Shiga Toxin 1 Subtype among Shiga Toxin-Producing Escherichia coli Isolates from Sheep but Not among Isolates from Cattle. Journal of Clinical Microbiology, 2003, 41, 926-936.	3.9	96
23	Streptococcus pyogenes adhesion and colonization. FEBS Letters, 2016, 590, 3739-3757.	2.8	96
24	Is plasminogen deployed as a Streptococcus pyogenes virulence factor?. Trends in Microbiology, 2005, 13, 308-313.	7.7	95
25	Genetic Switch to Hypervirulence Reduces Colonization Phenotypes of the Globally Disseminated Group AStreptococcusM1T1 Clone. Journal of Infectious Diseases, 2010, 202, 11-19.	4.0	95
26	Salmonella employs multiple mechanisms to subvert the TLRâ€inducible zincâ€mediated antimicrobial response of human macrophages. FASEB Journal, 2016, 30, 1901-1912.	0.5	91
27	P159 is a proteolytically processed, surface adhesin of Mycoplasma hyopneumoniae: defined domains of P159 bind heparin and promote adherence to eukaryote cells. Molecular Microbiology, 2006, 60, 669-686.	2.5	89
28	Molecular Characterization of the 2011 Hong Kong Scarlet Fever Outbreak. Journal of Infectious Diseases, 2012, 206, 341-351.	4.0	89
29	Multiple antibiotic resistance gene recruitment onto the enterohemorrhagic Escherichia coli virulence plasmid. FASEB Journal, 2010, 24, 1160-1166.	0.5	85
30	Sequences of Two Related Multiple Antibiotic Resistance Virulence Plasmids Sharing a Unique IS26-Related Molecular Signature Isolated from Different Escherichia coli Pathotypes from Different Hosts. PLoS ONE, 2013, 8, e78862.	2.5	80
31	R120G Î±B-crystallin promotes the unfolding of reduced Î±-lactalbumin and is inherently unstable. FEBS Journal, 2005, 272, 711-724.	4.7	78
32	Development of a group-specific PCR combined with ARDRA for the identification of Bacillus species of environmental significance. Journal of Microbiological Methods, 2006, 64, 107-119.	1.6	78
33	A Processed Multidomain Mycoplasma hyopneumoniae Adhesin Binds Fibronectin, Plasminogen, and Swine Respiratory Cilia. Journal of Biological Chemistry, 2010, 285, 33971-33978.	3.4	77
34	The virulence factors ofBordetella pertussis: a matter of control. FEMS Microbiology Reviews, 2001, 25, 309-333.	8.6	76
35	Mhp182 (P102) binds fibronectin and contributes to the recruitment of plasmin(ogen) to the Mycoplasma hyopneumoniae cell surface. Cellular Microbiology, 2012, 14, 81-94.	2.1	76
36	Streptococcal toxins: role in pathogenesis and disease. Cellular Microbiology, 2015, 17, 1721-1741.	2.1	76

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37	Expression and Purification of Recombinant Human Indoleamine 2,3-Dioxygenase. Protein Expression and Purification, 2000, 19, 22-29.	1.3	75
38	Repeat regions R1 and R2 in the P97 paralogue Mhp271 of Mycoplasma hyopneumoniae bind heparin, fibronectin and porcine cilia. Molecular Microbiology, 2010, 78, 444-458.	2.5	74
39	Plasminogen Binding by Group A Streptococcal Isolates from a Region of Hyperendemicity for Streptococcal Skin Infection and a High Incidence of Invasive Infection. Infection and Immunity, 2004, 72, 364-370.	2.2	72
40	M proteinâ€mediated plasminogen binding is essential for the virulence of an invasiveStreptococcus pyogenesisolate. FASEB Journal, 2008, 22, 2715-2722.	0.5	72
41	The Plasminogen-Binding Group A Streptococcal M Protein-Related Protein Prp Binds Plasminogen via Arginine and Histidine Residues. Journal of Bacteriology, 2007, 189, 1435-1440.	2.2	71
42	The Common Ovine Shiga Toxin 2-Containing Escherichia coli Serotypes and Human Isolates of the Same Serotypes Possess a Stx2d Toxin Type. Journal of Clinical Microbiology, 2001, 39, 1932-1937.	3.9	68
43	Scarlet Fever Epidemic in China Caused by Streptococcus pyogenes Serotype M12: Epidemiologic and Molecular Analysis. EBioMedicine, 2018, 28, 128-135.	6.1	67
44	A Second Two-Component Regulatory System of Bordetella bronchiseptica Required for Bacterial Resistance to Oxidative Stress, Production of Acid Phosphatase, and In Vivo Persistence. Infection and Immunity, 1998, 66, 4640-4650.	2.2	67
45	Asp274 and His346 Are Essential for Heme Binding and Catalytic Function of Human Indoleamine 2,3-Dioxygenase. Journal of Biological Chemistry, 2003, 278, 29525-29531.	3.4	66
46	Bovine Non-O157 Shiga Toxin 2-Containing Escherichia coli Isolates Commonly Possess stx 2-EDL933 and/or stx 2vhb Subtypes. Journal of Clinical Microbiology, 2003, 41, 2716-2722.	3.9	63
47	Mhp493 (P216) is a proteolytically processed, cilium and heparin binding protein ofMycoplasma hyopneumoniae. Molecular Microbiology, 2009, 71, 566-582.	2.5	62
48	Manganese Homeostasis in Group A Streptococcus Is Critical for Resistance to Oxidative Stress and Virulence. MBio, 2015, 6, .	4.1	62
49	Defining the Structural Basis of Human Plasminogen Binding by Streptococcal Surface Enolase. Journal of Biological Chemistry, 2009, 284, 17129-17137.	3.4	61
50	A Naturally Occurring Mutation in ropB Suppresses SpeB Expression and Reduces M1T1 Group A Streptococcal Systemic Virulence. PLoS ONE, 2008, 3, e4102.	2.5	60
51	Transfer of scarlet fever-associated elements into the group A Streptococcus M1T1 clone. Scientific Reports, 2015, 5, 15877.	3.3	57
52	Interplay between tolerance mechanisms to copper and acid stress in Escherichia coli. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6818-6823.	7.1	57
53	An Experimental Group A Streptococcus Vaccine That Reduces Pharyngitis and Tonsillitis in a Nonhuman Primate Model. MBio, 2019, 10, .	4.1	57
54	Two Domains within the Mycoplasma hyopneumoniae Cilium Adhesin Bind Heparin. Infection and Immunity, 2006, 74, 481-487.	2.2	56

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55	A quantitative NMR spectroscopic examination of the flexibility of the C-terminal extensions of the molecular chaperones, Î±A- and Î±B-crystallin. Experimental Eye Research, 2010, 91, 691-699.	2.6	56
56	Chemical Synergy between Ionophore PBT2 and Zinc Reverses Antibiotic Resistance. MBio, 2018, 9, .	4.1	56
57	Update on group A streptococcal vaccine development. Current Opinion in Infectious Diseases, 2020, 33, 244-250.	3.1	56
58	Reiterated repeat region variability in the ciliary adhesin gene of Mycoplasma hyopneumoniae. Microbiology (United Kingdom), 1998, 144, 1931-1943.	1.8	55
59	Allelic variants of streptokinase fromStreptococcus pyogenesdisplay functional differences in plasminogen activation. FASEB Journal, 2008, 22, 3146-3153.	0.5	55
60	Analysis of a Streptococcus pyogenes Puerperal Sepsis Cluster by Use of Whole-Genome Sequencing. Journal of Clinical Microbiology, 2012, 50, 2224-2228.	3.9	55
61	Characterization of Cleavage Events in the Multifunctional Cilium Adhesin Mhp684 (P146) Reveals a Mechanism by Which Mycoplasma hyopneumoniae Regulates Surface Topography. MBio, 2012, 3, .	4.1	54
62	Discovery of glycerol phosphate modification on streptococcal rhamnose polysaccharides. Nature Chemical Biology, 2019, 15, 463-471.	8.0	53
63	Mycoplasma hyopneumoniae Surface Proteins Mhp385 and Mhp384 Bind Host Cilia and Glycosaminoglycans and Are Endoproteolytically Processed by Proteases That Recognize Different Cleavage Motifs. Journal of Proteome Research, 2012, 11, 1924-1936.	3.7	52
64	Comparative Analysis of Virulence Genes, Genetic Diversity, and Phylogeny of Commensal and Enterotoxigenic Escherichia coli Isolates from Weaned Pigs. Applied and Environmental Microbiology, 2007, 73, 83-91.	3.1	51
65	Differing Efficacies of Lead Group A Streptococcal Vaccine Candidates and Full-Length M Protein in Cutaneous and Invasive Disease Models. MBio, 2016, 7, .	4.1	51
66	Conserved anchorless surface proteins as group A streptococcal vaccine candidates. Journal of Molecular Medicine, 2012, 90, 1197-1207.	3.9	49
67	Hospital-wide Eradication of a NosocomialLegionella pneumophilaSerogroup 1 Outbreak. Clinical Infectious Diseases, 2016, 62, 273-279.	5.8	49
68	Tracing the evolutionary history of the pandemic group A streptococcal M1T1 clone. FASEB Journal, 2012, 26, 4675-4684.	0.5	48
69	Cloning and characterization of an albicidin resistance gene from Klebsiella oxytoca. Molecular Microbiology, 1988, 2, 443-454.	2.5	47
70	Sequence TTKFâ†"QE Defines the Site of Proteolytic Cleavage in Mhp683 Protein, a Novel Glycosaminoglycan and Cilium Adhesin of Mycoplasma hyopneumoniae. Journal of Biological Chemistry, 2011, 286, 41217-41229.	3.4	47
71	Evaluation of clinical, histological and immunological changes and qPCR detection of Mycoplasma hyopneumoniae in tissues during the early stages of mycoplasmal pneumonia in pigs after experimental challenge with two field isolates. Veterinary Microbiology, 2012, 161, 186-195.	1.9	47
72	Pathogenesis of group A streptococcal infections. Discovery Medicine, 2012, 13, 329-42.	0.5	47

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73	Role of Phosphoglucomutase of Bordetella bronchiseptica in Lipopolysaccharide Biosynthesis and Virulence. Infection and Immunity, 2000, 68, 4673-4680.	2.2	46
74	Serum opacity factor promotes group A streptococcal epithelial cell invasion and virulence. Molecular Microbiology, 2006, 62, 15-25.	2.5	46
75	Mhp107 Is a Member of the Multifunctional Adhesin Family of Mycoplasma hyopneumoniae. Journal of Biological Chemistry, 2011, 286, 10097-10104.	3.4	46
76	All major cholesterol-dependent cytolysins use glycans as cellular receptors. Science Advances, 2020, 6, eaaz4926.	10.3	46
77	Working towards a Group A Streptococcal vaccine: Report of a collaborative Trans-Tasman workshop. Vaccine, 2014, 32, 3713-3720.	3.8	44
78	Site-Directed Mutations in the C-Terminal Extension of Human Î±B-Crystallin Affect Chaperone Function and Block Amyloid Fibril Formation. PLoS ONE, 2007, 2, e1046.	2.5	44
79	The Maintenance of High Affinity Plasminogen Binding by Group A Streptococcal Plasminogen-binding M-like Protein Is Mediated by Arginine and Histidine Residues within the a1 and a2 Repeat Domains. Journal of Biological Chemistry, 2006, 281, 25965-25971.	3.4	43
80	Group A streptococcal pharyngitis: Immune responses involved in bacterial clearance and GAS-associated immunopathologies. Journal of Leukocyte Biology, 2018, 103, 193-213.	3.3	43
81	Microevolution of Group A Streptococci In Vivo: Capturing Regulatory Networks Engaged in Sociomicrobiology, Niche Adaptation, and Hypervirulence. PLoS ONE, 2010, 5, e9798.	2.5	43
82	Role of group A Streptococcus HtrA in the maturation of SpeB protease. Proteomics, 2007, 7, 4488-4498.	2.2	42
83	Modifications in the pmrB gene are the primary mechanism for the development of chromosomally encoded resistance to polymyxins in uropathogenic Escherichia coli. Journal of Antimicrobial Chemotherapy, 2017, 72, 2729-2736.	3.0	41
84	New Insights into the Role of Zinc Acquisition and Zinc Tolerance in Group A Streptococcal Infection. Infection and Immunity, 2018, 86, .	2.2	41
85	Characterisation of the urease gene cluster in Bordetella bronchiseptica. Gene, 1998, 208, 243-251.	2.2	40
86	Host Responses to Group A Streptococcus: Cell Death and Inflammation. PLoS Pathogens, 2014, 10, e1004266.	4.7	40
87	Role of Glutathione in Buffering Excess Intracellular Copper in Streptococcus pyogenes. MBio, 2020, 11, .	4.1	40
88	Domains of group A streptococcal M protein that confer resistance to phagocytosis, opsonization and protection: implications for vaccine development. Molecular Microbiology, 2006, 59, 1-4.	2.5	38
89	Human pathogenic streptococcal proteomics and vaccine development. Proteomics - Clinical Applications, 2008, 2, 387-410.	1.6	38
90	Lipoteichoic acid anchor triggers Mincle to drive protective immunity against invasive group AStreptococcusinfection. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10662-E10671.	7.1	37

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91	Parameters Governing Invasive Disease Propensity of Non-M1 Serotype Group A Streptococci. Journal of Innate Immunity, 2010, 2, 596-606.	3.8	36
92	Repurposing a neurodegenerative disease drug to treat Gram-negative antibiotic-resistant bacterial sepsis. Science Translational Medicine, 2020, 12, .	12.4	36
93	Streptococcus pyogenes prtFII, but not sfbI, sfbII or fbp54, is represented more frequently among invasive-disease isolates of tropical Australia. Epidemiology and Infection, 2002, 128, 391-396.	2.1	35
94	Intranasal Vaccination with Streptococcal Fibronectin Binding Protein Sfb1 Fails To Prevent Growth and Dissemination of Streptococcus pyogenes in a Murine Skin Infection Model. Infection and Immunity, 2004, 72, 7342-7345.	2.2	35
95	Interplay between Manganese and Iron in Pneumococcal Pathogenesis: Role of the Orphan Response Regulator RitR. Infection and Immunity, 2013, 81, 421-429.	2.2	35
96	Tracking antibiotic resistance. Science, 2014, 345, 1454-1455.	12.6	35
97	Prophage exotoxins enhance colonization fitness in epidemic scarlet fever-causing Streptococcus pyogenes. Nature Communications, 2020, 11, 5018.	12.8	35
98	Two Distinct Genotypes of prtF2, Encoding a Fibronectin Binding Protein, and Evolution of the Gene Family in Streptococcus pyogenes. Journal of Bacteriology, 2004, 186, 7601-7609.	2.2	34
99	Streptokinase variants from <scp>S</scp>treptococcus pyogenes isolates display altered plasminogen activation characteristics â€“ implications for pathogenesis. Molecular Microbiology, 2012, 86, 1052-1062.	2.5	34
100	Plasmin(ogen) Acquisition by Group A <i>Streptococcus</i> Protects against C3b-Mediated Neutrophil Killing. Journal of Innate Immunity, 2014, 6, 240-250.	3.8	34
101	Group A streptococcal M-like proteins: From pathogenesis to vaccine potential. FEMS Microbiology Reviews, 2018, 42, 193-204.	8.6	34
102	Fibronectin-Binding Protein Gene Recombination and Horizontal Transfer between Group A and G Streptococci. Journal of Clinical Microbiology, 2004, 42, 5357-5361.	3.9	33
103	Microevolution of Streptococcus agalactiae ST-261 from Australia Indicates Dissemination via Imported Tilapia and Ongoing Adaptation to Marine Hosts or Environment. Applied and Environmental Microbiology, 2018, 84, .	3.1	33
104	Vaccine-Induced Th1-Type Response Protects against Invasive Group A Streptococcus Infection in the Absence of Opsonizing Antibodies. MBio, 2020, 11, .	4.1	33
105	Divergence in the Plasminogen-binding Group A Streptococcal M Protein Family. Journal of Biological Chemistry, 2006, 281, 3217-3226.	3.4	32
106	Transition Metal Homeostasis in Streptococcus pyogenes and Streptococcus pneumoniae. Advances in Microbial Physiology, 2017, 70, 123-191.	2.4	32
107	Molecular Analysis of Group B Protective Surface Protein, a New Cell Surface Protective Antigen of Group B Streptococci. Infection and Immunity, 2002, 70, 803-811.	2.2	31
108	Evolution of sfbI Encoding Streptococcal Fibronectin-Binding Protein I: Horizontal Genetic Transfer and Gene Mosaic Structure. Journal of Clinical Microbiology, 2003, 41, 5398-5406.	3.9	31

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109	Controlled human infection for vaccination against Streptococcus pyogenes (CHIVAS): Establishing a group A Streptococcus pharyngitis human infection study. Vaccine, 2019, 37, 3485-3494.	3.8	31
110	Oral immunization of swine with attenuated Salmonella typhimurium aro A SL3261 expressing a recombinant antigen of Mycoplasma hyopneumoniae (NrdF) primes the immune system for a NrdF specific secretory IgA response in the lungs. Microbial Pathogenesis, 2001, 30, 101-110.	2.9	30
111	Inhibition of indoleamine 2,3 dioxygenase activity by H2O2. Archives of Biochemistry and Biophysics, 2006, 450, 9-19.	3.0	30
112	Molecular Characterization of Endocarditis-Associated Staphylococcus aureus. Journal of Clinical Microbiology, 2013, 51, 2131-2138.	3.9	30
113	Mutual Exclusivity of Hyaluronan and Hyaluronidase in Invasive Group A Streptococcus. Journal of Biological Chemistry, 2014, 289, 32303-32315.	3.4	30
114	Virulence Role of the GlcNAc Side Chain of the Lancefield Cell Wall Carbohydrate Antigen in Non-M1-Serotype Group AStreptococcus. MBio, 2018, 9, .	4.1	30
115	Group A Streptococcal Vaccine Candidates: Potential for the Development of a Human Vaccine. Current Topics in Microbiology and Immunology, 2012, 368, 207-242.	1.1	29
116	A controlled human infection model of Streptococcus pyogenes pharyngitis (CHIVAS-M75): an observational, dose-finding study. Lancet Microbe, The, 2021, 2, e291-e299.	7.3	29
117	The Role of Streptokinase as a Virulence Determinant of Streptococcus pyogenes â€“ Potential for Therapeutic Targeting. Current Drug Targets, 2012, 13, 297-307.	2.1	28
118	Glutamic acid residues in the Câ€terminal extension of small heat shock proteinâ€ƒ25 are critical for structural and functional integrity. FEBS Journal, 2008, 275, 5885-5898.	4.7	27
119	Temperature dependent expression of an acid phosphatase byBordetella bronchiseptica: role in intracellular survival. Microbial Pathogenesis, 1997, 22, 257-264.	2.9	26
120	Demonstration that Australian Pasteurella multocida isolates from sporadic outbreaks of porcine pneumonia are non-toxigenic (toxA-) and display heterogeneous DNA restriction endonuclease profiles compared with toxigenic isolates from herds with progressive atrophic rhinitis. Journal of Medical Microbiology, 1998, 47, 679-688.	1.8	26
121	The contribution of non-human primate models to the development of human vaccines. Discovery Medicine, 2014, 18, 313-22.	0.5	26
122	Opacity Factor Activity and Epithelial Cell Binding by the Serum Opacity Factor Protein of Streptococcus pyogenes Are Functionally Discrete. Journal of Biological Chemistry, 2008, 283, 6359-6366.	3.4	25
123	Polyelectrolyte Complex Materials Consisting of Antibacterial and Cellâ€Supporting Layers. Macromolecular Bioscience, 2012, 12, 374-382.	4.1	25
124	Evaluation of recombinant Mycoplasma hyopneumoniae P97/P102 paralogs formulated with selected adjuvants as vaccines against mycoplasmal pneumonia in pigs. Vaccine, 2014, 32, 4333-4341.	3.8	25
125	Interleukin-17A Contributes to the Control of Streptococcus pyogenes Colonization and Inflammation of the Female Genital Tract. Scientific Reports, 2016, 6, 26836.	3.3	25
126	Blood Group Antigen Recognition via the Group A Streptococcal M Protein Mediates Host Colonization. MBio, 2017, 8, .	4.1	25

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127	The PerR-Regulated P _{1B-4} -Type ATPase (PmtA) Acts as a Ferrous Iron Efflux Pump in Streptococcus pyogenes. Infection and Immunity, 2017, 85, .	2.2	24
128	A Controlled Human Infection Model of Group A Streptococcus Pharyngitis: Which Strain and Why?. MSphere, 2019, 4, .	2.9	24
129	Multiple Bactericidal Mechanisms of the Zinc Ionophore PBT2. MSphere, 2020, 5, .	2.9	24
130	An aromatic amino acid auxotrophic mutant ofBordetella bronchisepticais attenuated and immunogenic in a mouse model of infection. FEMS Microbiology Letters, 2003, 221, 7-16.	1.8	23
131	Group A Streptococcus M1T1 Intracellular Infection of Primary Tonsil Epithelial Cells Dampens Levels of Secreted IL-8 Through the Action of SpyCEP. Frontiers in Cellular and Infection Microbiology, 2018, 8, 160.	3.9	23
132	Characterization of mesophilic bacilli in faeces of feedlot cattle. Journal of Applied Microbiology, 2007, 102, 872-879.	3.1	21
133	Extensive Diversity of Streptococcus pyogenes in a Remote Human Population Reflects Global-Scale Transmission Rather than Localised Diversification. PLoS ONE, 2013, 8, e73851.	2.5	21
134	Hostâ€“pathogen interaction during bacterial vaccination. Current Opinion in Immunology, 2015, 36, 1-7.	5.5	21
135	Neisseria gonorrhoeae Becomes Susceptible to Polymyxin B and Colistin in the Presence of PBT2. ACS Infectious Diseases, 2020, 6, 50-55.	3.8	21
136	Semisynthetic, self-adjuvanting vaccine development: Efficient, site-specific sortase A-mediated conjugation of Toll-like receptor 2 ligand FSL-1 to recombinant protein antigens under native conditions and application to a model group A streptococcal vaccine. Journal of Controlled Release, 2020, 317, 96-108.	9.9	21
137	Defence against methylglyoxal in Group AStreptococcus: a role for Glyoxylase I in bacterial virulence and survival in neutrophils?. Pathogens and Disease, 2016, 74, ftv122.	2.0	20
138	Group A Streptococcus co-ordinates manganese import and iron efflux in response to hydrogen peroxide stress. Biochemical Journal, 2019, 476, 595-611.	3.7	20
139	A multivalent T-antigen-based vaccine for Group A Streptococcus. Scientific Reports, 2021, 11, 4353.	3.3	20
140	Development of Non-Antibiotic-Resistant, Chromosomally Based, Constitutive and Inducible Expression Systems for aroA -Attenuated Salmonella enterica Serovar Typhimurium. Infection and Immunity, 2009, 77, 1817-1826.	2.2	19
141	Acquisition of the Sda1-Encoding Bacteriophage Does Not Enhance Virulence of the Serotype M1 Streptococcus pyogenes Strain SF370. Infection and Immunity, 2013, 81, 2062-2069.	2.2	19
142	Detection of Epidemic Scarlet Fever Group A Streptococcus in Australia. Clinical Infectious Diseases, 2019, 69, 1232-1234.	5.8	19
143	The pyruvate dehydrogenase complex of Mycoplasma hyopneumoniae contains a novel lipoyl domain arrangement. Gene, 2003, 319, 99-106.	2.2	18
144	Isolation and Solubilization of Gram-Positive Bacterial Cell Wall-Associated Proteins. Methods in Molecular Biology, 2008, 425, 295-311.	0.9	18

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145	Streptococcal collagenâ€like protein A and general stress protein 24 are immunomodulating virulence factors of group A Streptococcus. FASEB Journal, 2013, 27, 2633-2643.	0.5	18
146	Structure-Informed Design of an Enzymatically Inactive Vaccine Component for Group A Streptococcus. MBio, 2013, 4, .	4.1	18
147	Endopeptidase PepO Regulates the SpeB Cysteine Protease and Is Essential for the Virulence of Invasive M1T1 Streptococcus pyogenes. Journal of Bacteriology, 2018, 200, .	2.2	18
148	Dysregulation of Streptococcus pneumoniae zinc homeostasis breaks ampicillin resistance in a pneumonia infection model. Cell Reports, 2022, 38, 110202.	6.4	18
149	A Key Role for the Urokinase Plasminogen Activator (uPA) in Invasive Group A Streptococcal Infection. PLoS Pathogens, 2013, 9, e1003469.	4.7	17
150	Immunological response mounted by Aboriginal Australians living in the Northern Territory of Australia against Streptococcus pyogenes serum opacity factor The GenBank accession numbers for the sequences reported in this paper are AF367011 (sof VT3.2), AF367012 (sof VT3.1), AF367013 (sof VT2.2), AF367014 (sof VT21), AF367015 (sof VT37.1) and AF367016 (sof 13).. Microbiology (United Kingdom), 2002, 148, 169-178.	1.8	17
151	Analysis of Global Collection of Group A Streptococcus Genomes Reveals that the Majority Encode a Trio of M and M-Like Proteins. MSphere, 2020, 5, .	2.9	16
152	Streptococcus pyogenes Hijacks Host Glutathione for Growth and Innate Immune Evasion. MBio, 2022, 13, e0067622.	4.1	15
153	A novel Escherichia coli expression-export vector containing alkaline phosphatase as an insertional inactivation screening system. Gene, 1994, 148, 171-172.	2.2	14
154	Construction and characterisation of Salmonella typhimurium aroA simultaneously expressing the five pertussis toxin subunits. Vaccine, 1998, 16, 522-529.	3.8	14
155	Site-restricted plasminogen activation mediated by group A streptococcal streptokinase variants. Biochemical Journal, 2014, 458, 23-31.	3.7	14
156	Stability of the Octameric Structure Affects Plasminogen-Binding Capacity of Streptococcal Enolase. PLoS ONE, 2015, 10, e0121764.	2.5	14
157	Non-motile mini-transposon mutants of Bordetella bronchiseptica exhibit altered abilities to invade and survive in eukaryotic cells. FEMS Microbiology Letters, 2006, 146, 263-269.	1.8	13
158	Outsmarting Outbreaks. Science, 2012, 338, 1161-1162.	12.6	13
159	Scarlet fever makes a comeback. Lancet Infectious Diseases, The, 2018, 18, 128-129.	9.1	13
160	Engineering upstream transcriptional and translational signals of Bordetella pertussis serotype 2 fimbrial subunit protein for efficient expression in Escherichia coli: in vitro autoassembly of the expressed product into filamentous structures. Molecular Microbiology, 1990, 4, 39-47.	2.5	12
161	Streptolysins are the primary inflammasome activators in macrophages during Streptococcus pyogenes infection. Immunology and Cell Biology, 2021, 99, 1040-1052.	2.3	12
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