Michael Otto

List of Publications by Citations

268 papers	26,990 citations	88 h-index	159 g-index
280 ext. papers	31,504 ext. citations	9.1 avg, IF	7.73 L-index

#	Paper	IF	Citations
268	Staphylococcus epidermidis--the 'accidental' pathogen. *Nature Reviews Microbiology*, **2009**, 7, 555-67	22.2	1028
267	Community-associated meticillin-resistant Staphylococcus aureus. *Lancet, The*, **2010**, 375, 1557-68	40	943
266	Identification of novel cytolytic peptides as key virulence determinants for community-associated MRSA. *Nature Medicine*, **2007**, 13, 1510-4	50.5	768
265	Inactivation of the dlt operon in Staphylococcus aureus confers sensitivity to defensins, protegrins, and other antimicrobial peptides. *Journal of Biological Chemistry*, **1999**, 274, 8405-10	5.4	750
264	Staphylococcal biofilms. *Current Topics in Microbiology and Immunology*, **2008**, 322, 207-28	3.3	632
263	Staphylococcus aureus resistance to human defensins and evasion of neutrophil killing via the novel virulence factor MprF is based on modification of membrane lipids with l-lysine. *Journal of Experimental Medicine*, **2001**, 193, 1067-76	16.6	597
262	Is Panton-Valentine leukocidin the major virulence determinant in community-associated methicillin-resistant Staphylococcus aureus disease?. *Journal of Infectious Diseases*, **2006**, 194, 1761-70	7	492
261	Polysaccharide intercellular adhesin (PIA) protects Staphylococcus epidermidis against major components of the human innate immune system. *Cellular Microbiology*, **2004**, 6, 269-75	3.9	478
260	Staphylococcus epidermidis infections. *Microbes and Infection*, **2002**, 4, 481-9	9.3	471
259	A crucial role for exopolysaccharide modification in bacterial biofilm formation, immune evasion, and virulence. *Journal of Biological Chemistry*, **2004**, 279, 54881-6	5.4	402
258	How Staphylococcus aureus biofilms develop their characteristic structure. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 1281-6	11.5	400
257	Poring over pores: alpha-hemolysin and Panton-Valentine leukocidin in Staphylococcus aureus pneumonia. *Nature Medicine*, **2007**, 13, 1405-6	50.5	389
256	RNAIII-independent target gene control by the agr quorum-sensing system: insight into the evolution of virulence regulation in Staphylococcus aureus. *Molecular Cell*, **2008**, 32, 150-8	17.6	383
255	Staphylococcal infections: mechanisms of biofilm maturation and detachment as critical determinants of pathogenicity. *Annual Review of Medicine*, **2013**, 64, 175-88	17.4	380
254	Impact of the agr quorum-sensing system on adherence to polystyrene in Staphylococcus aureus. *Journal of Infectious Diseases*, **2000**, 182, 1688-93	7	375
253	Different drugs for bad bugs: antivirulence strategies in the age of antibiotic resistance. *Nature Reviews Drug Discovery*, **2017**, 16, 457-471	64.1	358
252	Staphylococcus aureus toxins. *Current Opinion in Microbiology*, **2014**, 17, 32-7	7.9	346

251	Basis of virulence in community-associated methicillin-resistant Staphylococcus aureus. *Annual Review of Microbiology*, **2010**, 64, 143-62	17.5	346
250	Staphylococcus δ-toxin induces allergic skin disease by activating mast cells. *Nature*, **2013**, 503, 397-401	50.4	332
249	Evolution of virulence in epidemic community-associated methicillin-resistant Staphylococcus aureus. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 5883-8	11.5	312
248	A Wave of Regulatory T Cells into Neonatal Skin Mediates Tolerance to Commensal Microbes. *Immunity*, **2015**, 43, 1011-21	32.3	306
247	Silver coordination polymers for prevention of implant infection: thiol interaction, impact on respiratory chain enzymes, and hydroxyl radical induction. *Antimicrobial Agents and Chemotherapy*, **2010**, 54, 4208-18	5.9	302
246	Epidemic community-associated methicillin-resistant Staphylococcus aureus: recent clonal expansion and diversification. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 1327-32	11.5	292
245	Selective antimicrobial action is provided by phenol-soluble modulins derived from Staphylococcus epidermidis, a normal resident of the skin. *Journal of Investigative Dermatology*, **2010**, 130, 192-200	4.3	266
244	Staphylococcus quorum sensing in biofilm formation and infection. *International Journal of Medical Microbiology*, **2006**, 296, 133-9	3.7	263
243	Quorum-sensing control of biofilm factors in Staphylococcus epidermidis. *Journal of Infectious Diseases*, **2003**, 188, 706-18	7	262
242	Molecular basis of in vivo biofilm formation by bacterial pathogens. *Chemistry and Biology*, **2012**, 19, 1503-13		252
241	The role of virulence determinants in community-associated MRSA pathogenesis. *Trends in Microbiology*, **2008**, 16, 361-9	12.4	246
240	Phenol-soluble modulins and staphylococcal infection. *Nature Reviews Microbiology*, **2013**, 11, 667-73	22.2	237
239	The antimicrobial peptide-sensing system aps of Staphylococcus aureus. *Molecular Microbiology*, **2007**, 66, 1136-47	4.1	230
238	Pathogen elimination by probiotic Bacillus via signalling interference. *Nature*, **2018**, 562, 532-537	50.4	226
237	Gram-positive three-component antimicrobial peptide-sensing system. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 9469-74	11.5	221
236	Genomewide analysis of gene expression in Staphylococcus epidermidis biofilms: insights into the pathophysiology of S. epidermidis biofilms and the role of phenol-soluble modulins in formation of biofilms. *Journal of Infectious Diseases*, **2005**, 191, 289-98	7	218
235	Quorum-sensing regulation in staphylococci-an overview. *Frontiers in Microbiology*, **2015**, 6, 1174	5.7	215
234	The D-alanine residues of Staphylococcus aureus teichoic acids alter the susceptibility to vancomycin and the activity of autolytic enzymes. *Antimicrobial Agents and Chemotherapy*, **2000**, 44, 2843-7	5.9	215

233	Selective chemical inhibition of agr quorum sensing in Staphylococcus aureus promotes host defense with minimal impact on resistance. *PLoS Pathogens*, **2014**, 10, e1004174	7.6	207
232	Role of the accessory gene regulator agr in community-associated methicillin-resistant Staphylococcus aureus pathogenesis. *Infection and Immunity*, **2011**, 79, 1927-35	3.7	207
231	Staphylococcus epidermidis surfactant peptides promote biofilm maturation and dissemination of biofilm-associated infection in mice. *Journal of Clinical Investigation*, **2011**, 121, 238-48	15.9	203
230	Human formyl peptide receptor 2 senses highly pathogenic Staphylococcus aureus. *Cell Host and Microbe*, **2010**, 7, 463-73	23.4	201
229	Panton-Valentine leukocidin is not a virulence determinant in murine models of community-associated methicillin-resistant Staphylococcus aureus disease. *Journal of Infectious Diseases*, **2008**, 198, 1166-70	7	200
228	Phenol-soluble modulins--critical determinants of staphylococcal virulence. *FEMS Microbiology Reviews*, **2014**, 38, 698-719	15.1	194
227	MRSA virulence and spread. *Cellular Microbiology*, **2012**, 14, 1513-21	3.9	194
226	MRSA epidemic linked to a quickly spreading colonization and virulence determinant. *Nature Medicine*, **2012**, 18, 816-9	50.5	193
225	Comparative analysis of USA300 virulence determinants in a rabbit model of skin and soft tissue infection. *Journal of Infectious Diseases*, **2011**, 204, 937-41	7	191
224	Role of the luxS quorum-sensing system in biofilm formation and virulence of Staphylococcus epidermidis. *Infection and Immunity*, **2006**, 74, 488-96	3.7	185
223	Community-associated MRSA: what makes them special?. *International Journal of Medical Microbiology*, **2013**, 303, 324-30	3.7	184
222	Increased colonization of indwelling medical devices by quorum-sensing mutants of Staphylococcus epidermidis in vivo. *Journal of Infectious Diseases*, **2004**, 190, 1498-505	7	180
221	Molecular basis of Staphylococcus epidermidis infections. *Seminars in Immunopathology*, **2012**, 34, 201-14	12	171
220	Bacterial strategies of resistance to antimicrobial peptides. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2016**, 371,	5.8	165
219	Key role of poly-□dl-glutamic acid in immune evasion and virulence of Staphylococcus epidermidis. *Journal of Clinical Investigation*, **2005**, 115, 688-694	15.9	161
218	Host defense and pathogenesis in Staphylococcus aureus infections. *Infectious Disease Clinics of North America*, **2009**, 23, 17-34	6.5	160
217	Global changes in Staphylococcus aureus gene expression in human blood. *PLoS ONE*, **2011**, 6, e18617	3.7	158
216	Quorum-sensing control in Staphylococci -- a target for antimicrobial drug therapy?. *FEMS Microbiology Letters*, **2004**, 241, 135-41	2.9	150

215	Mobile genetic element-encoded cytolysin connects virulence to methicillin resistance in MRSA. *PLoS Pathogens*, **2009**, 5, e1000533	7.6	147
214	Staphylococcus colonization of the skin and antimicrobial peptides. *Expert Review of Dermatology*, **2010**, 5, 183-195		146
213	Staphylococcus epidermidis strategies to avoid killing by human neutrophils. *PLoS Pathogens*, **2010**, 6, e1001133	7.6	143
212	The SaeR/S gene regulatory system is essential for innate immune evasion by Staphylococcus aureus. *Journal of Infectious Diseases*, **2009**, 199, 1698-706	7	142
211	Contribution of Panton-Valentine leukocidin in community-associated methicillin-resistant Staphylococcus aureus pathogenesis. *PLoS ONE*, **2008**, 3, e3198	3.7	138
210	Coagulase-negative staphylococci as reservoirs of genes facilitating MRSA infection: Staphylococcal commensal species such as Staphylococcus epidermidis are being recognized as important sources of genes promoting MRSA colonization and virulence. *BioEssays*, **2013**, 35, 4-11	4.1	137
209	Inhibition of virulence factor expression in Staphylococcus aureus by the Staphylococcus epidermidis agr pheromone and derivatives. *FEBS Letters*, **1999**, 450, 257-62	3.8	136
208	Comparative analysis of virulence and toxin expression of global community-associated methicillin-resistant Staphylococcus aureus strains. *Journal of Infectious Diseases*, **2010**, 202, 1866-76	7	134
207	Virulence factors of the coagulase-negative staphylococci. *Frontiers in Bioscience - Landmark*, **2004**, 9, 841-63	2.8	134
206	Pheromone cross-inhibition between Staphylococcus aureus and Staphylococcus epidermidis. *Infection and Immunity*, **2001**, 69, 1957-60	3.7	134
205	Staphylococcus epidermidis pan-genome sequence analysis reveals diversity of skin commensal and hospital infection-associated isolates. *Genome Biology*, **2012**, 13, R64	18.3	128
204	Staphylococcal alpha-phenol soluble modulins contribute to neutrophil lysis after phagocytosis. *Cellular Microbiology*, **2013**, 15, 1427-37	3.9	126
203	Evolution of community- and healthcare-associated methicillin-resistant Staphylococcus aureus. *Infection, Genetics and Evolution*, **2014**, 21, 563-74	4.5	123
202	Molecular differentiation of historic phage-type 80/81 and contemporary epidemic Staphylococcus aureus. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 18091-6	11.5	123
201	Regulated expression of pathogen-associated molecular pattern molecules in Staphylococcus epidermidis: quorum-sensing determines pro-inflammatory capacity and production of phenol-soluble modulins. *Cellular Microbiology*, **2004**, 6, 753-9	3.9	123
200	Structure of the pheromone peptide of the Staphylococcus epidermidis agr system. *FEBS Letters*, **1998**, 424, 89-94	3.8	121
199	Construction and characterization of an agr deletion mutant of Staphylococcus epidermidis. *Infection and Immunity*, **2000**, 68, 1048-53	3.7	117
198	Identification and treatment of the Staphylococcus aureus reservoir in vivo. *Journal of Experimental Medicine*, **2016**, 213, 1141-51	16.6	115

197	Staphylococcus aureus Virulent PSM□Peptides Induce Keratinocyte Alarmin Release to Orchestrate IL-17-Dependent Skin Inflammation. *Cell Host and Microbe*, **2017**, 22, 667-677.e5	23.4	112
196	Cytoplasmic replication of Staphylococcus aureus upon phagosomal escape triggered by phenol-soluble modulin □*Cellular Microbiology*, **2014**, 16, 451-65	3.9	112
195	Apolipoprotein B Is an innate barrier against invasive Staphylococcus aureus infection. *Cell Host and Microbe*, **2008**, 4, 555-66	23.4	112
194	Neutrophil microbicides induce a pathogen survival response in community-associated methicillin-resistant Staphylococcus aureus. *Journal of Immunology*, **2008**, 180, 500-9	5.3	112
193	The human anionic antimicrobial peptide dermcidin induces proteolytic defence mechanisms in staphylococci. *Molecular Microbiology*, **2007**, 63, 497-506	4.1	107
192	A commensal strain of protects against skin neoplasia. *Science Advances*, **2018**, 4, eaao4502	14.3	106
191	Essential Staphylococcus aureus toxin export system. *Nature Medicine*, **2013**, 19, 364-7	50.5	106
190	Antimicrobial activity of community-associated methicillin-resistant Staphylococcus aureus is caused by phenol-soluble modulin derivatives. *Journal of Biological Chemistry*, **2011**, 286, 8933-40	5.4	105
189	Bacterial evasion of antimicrobial peptides by biofilm formation. *Current Topics in Microbiology and Immunology*, **2006**, 306, 251-8	3.3	105
188	Glycosylation of wall teichoic acid in Staphylococcus aureus by TarM. *Journal of Biological Chemistry* , **2010**, 285, 13405-15	5.4	104
187	Staphylococcal Biofilms. *Microbiology Spectrum*, **2018**, 6,	8.9	103
186	Effect of biofilms on recalcitrance of staphylococcal joint infection to antibiotic treatment. *Journal of Infectious Diseases*, **2015**, 211, 641-50	7	101
185	Synthesis and deformylation of Staphylococcus aureus delta-toxin are linked to tricarboxylic acid cycle activity. *Journal of Bacteriology*, **2003**, 185, 6686-94	3.5	95
184	Basis of Virulence in Enterotoxin-Mediated Staphylococcal Food Poisoning. *Frontiers in Microbiology* , **2018**, 9, 436	5.7	94
183	Inactivation of a bacterial virulence pheromone by phagocyte-derived oxidants: new role for the NADPH oxidase in host defense. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 13867-72	11.5	91
182	Staphylococcus aureus biofilm metabolism and the influence of arginine on polysaccharide intercellular adhesin synthesis, biofilm formation, and pathogenesis. *Infection and Immunity*, **2007**, 75, 4219-26	3.7	90
181	Staphylococcus epidermidis polysaccharide intercellular adhesin production significantly increases during tricarboxylic acid cycle stress. *Journal of Bacteriology*, **2005**, 187, 2967-73	3.5	89
180	Persistent strains of coagulase-negative staphylococci in a neonatal intensive care unit: virulence factors and invasiveness. *Clinical Microbiology and Infection*, **2007**, 13, 1100-11	9.5	86

179	Phenol-soluble modulins. *International Journal of Medical Microbiology*, **2014**, 304, 164-9	3.7	85
178	Genetic diversity of arginine catabolic mobile element in Staphylococcus epidermidis. *PLoS ONE*, **2009**, 4, e7722	3.7	84
177	Pathogenicity and virulence of. *Virulence*, **2021**, 12, 547-569	4.7	81
176	An antidote for Staphylococcus aureus pneumonia?. *Journal of Experimental Medicine*, **2008**, 205, 739-739	16.6	78
175	Staphylococcus aureus and Staphylococcus epidermidis peptide pheromones produced by the accessory gene regulator agr system. *Peptides*, **2001**, 22, 1603-8	3.8	78
174	Direct and synergistic hemolysis caused by Staphylococcus phenol-soluble modulins: implications for diagnosis and pathogenesis. *Microbes and Infection*, **2012**, 14, 380-6	9.3	77
173	Factors characterizing Staphylococcus epidermidis invasiveness determined by comparative genomics. *Infection and Immunity*, **2005**, 73, 1856-60	3.7	76
172	Conversion of Staphylococcus epidermidis strains from commensal to invasive by expression of the ica locus encoding production of biofilm exopolysaccharide. *Infection and Immunity*, **2005**, 73, 3188-91	3.7	76
171	Staphylococcus aureus Panton-Valentine leukocidin contributes to inflammation and muscle tissue injury. *PLoS ONE*, **2009**, 4, e6387	3.7	76
170	Improved understanding of factors driving methicillin-resistant Staphylococcus aureus epidemic waves. *Clinical Epidemiology*, **2013**, 5, 205-17	5.9	75
169	Bacterial insertion sequence IS256 as a potential molecular marker to discriminate invasive strains from commensal strains of Staphylococcus epidermidis. *Journal of Hospital Infection*, **2005**, 61, 342-8	6.9	75
168	Neutrophil recruitment to lymph nodes limits local humoral response to Staphylococcus aureus. *PLoS Pathogens*, **2015**, 11, e1004827	7.6	74
167	Molecular determinants of staphylococcal biofilm dispersal and structuring. *Frontiers in Cellular and Infection Microbiology*, **2014**, 4, 167	5.9	74
166	Furanone at subinhibitory concentrations enhances staphylococcal biofilm formation by luxS repression. *Antimicrobial Agents and Chemotherapy*, **2009**, 53, 4159-66	5.9	73
165	Neutrophil responses to staphylococcal pathogens and commensals via the formyl peptide receptor 2 relates to phenol-soluble modulin release and virulence. *FASEB Journal*, **2011**, 25, 1254-63	0.9	73
164	Understanding the significance of Staphylococcus epidermidis bacteremia in babies and children. *Current Opinion in Infectious Diseases*, **2010**, 23, 208-16	5.4	73
163	Key role of poly-gamma-DL-glutamic acid in immune evasion and virulence of Staphylococcus epidermidis. *Journal of Clinical Investigation*, **2005**, 115, 688-94	15.9	72
162	Mechanisms of resistance to antimicrobial peptides in staphylococci. *Biochimica Et Biophysica Acta - Biomembranes*, **2015**, 1848, 3055-61	3.8	70

161	Defining the strain-dependent impact of the Staphylococcal accessory regulator (sarA) on the alpha-toxin phenotype of Staphylococcus aureus. *Journal of Bacteriology*, **2011**, 193, 2948-58	3.5	70
160	Producer self-protection against the lantibiotic epidermin by the ABC transporter EpiFEG of Staphylococcus epidermidis T298. *FEMS Microbiology Letters*, **1998**, 166, 203-11	2.9	70
159	Structure-function relationships in the tryptophan-rich, antimicrobial peptide indolicidin. *Journal of Peptide Science*, **2001**, 7, 552-64	2.1	70
158	Bacterial sensing of antimicrobial peptides. *Contributions To Microbiology*, **2009**, 16, 136-149		69
157	Engagement of the pathogen survival response used by group A Streptococcus to avert destruction by innate host defense. *Journal of Immunology*, **2004**, 173, 1194-201	5.3	69
156	Staphylococcus aureus produces pain through pore-forming toxins and neuronal TRPV1 that is silenced by QX-314. *Nature Communications*, **2018**, 9, 37	17.4	67
155	A point mutation in the agr locus rather than expression of the Panton-Valentine leukocidin caused previously reported phenotypes in Staphylococcus aureus pneumonia and gene regulation. *Journal of Infectious Diseases*, **2009**, 200, 724-34	7	67
154	Role of ClpP in biofilm formation and virulence of Staphylococcus epidermidis. *Microbes and Infection*, **2007**, 9, 1376-83	9.3	67
153	Characterization of the Staphylococcus epidermidis accessory-gene regulator response: quorum-sensing regulation of resistance to human innate host defense. *Journal of Infectious Diseases*, **2006**, 193, 841-8	7	64
152	Toll-like receptor 2 activation depends on lipopeptide shedding by bacterial surfactants. *Nature Communications*, **2016**, 7, 12304	17.4	62
151	Investigational therapies targeting quorum-sensing for the treatment of Staphylococcus aureus infections. *Expert Opinion on Investigational Drugs*, **2015**, 24, 689-704	5.9	60
150	Immune Evasion Mechanisms of Biofilm Infection. *Frontiers in Microbiology*, **2018**, 9, 359	5.7	60
149	Physical stress and bacterial colonization. *FEMS Microbiology Reviews*, **2014**, 38, 1250-70	15.1	60
148	Novel targeted immunotherapy approaches for staphylococcal infection. *Expert Opinion on Biological Therapy*, **2010**, 10, 1049-59	5.4	60
147	Host Response to Colonization and Infections. *Frontiers in Cellular and Infection Microbiology*, **2017**, 7, 90	5.9	58
146	Staphylococcus aureus mutant screen reveals interaction of the human antimicrobial peptide dermcidin with membrane phospholipids. *Antimicrobial Agents and Chemotherapy*, **2009**, 53, 4200-10	5.9	58
145	Staphylococcus epidermidis pathogenesis. *Methods in Molecular Biology*, **2014**, 1106, 17-31	1.4	56
144	Innate immunity. A Spaetzle-like role for nerve growth factor in vertebrate immunity to Staphylococcus aureus. *Science*, **2014**, 346, 641-646	33.3	55

143	Distribution and regulation of the mobile genetic element-encoded phenol-soluble modulin PSM-mec in methicillin-resistant Staphylococcus aureus. *PLoS ONE*, **2011**, 6, e28781	3.7	55
142	Inducible expression and cellular location of AgrB, a protein involved in the maturation of the staphylococcal quorum-sensing pheromone. *Archives of Microbiology*, **2000**, 174, 452-5	3	55
141	TLR2 mediates recognition of live Staphylococcus epidermidis and clearance of bacteremia. *PLoS ONE*, **2010**, 5, e10111	3.7	54
140	Role of Phenol-Soluble Modulins in Formation of Staphylococcus aureus Biofilms in Synovial Fluid. *Infection and Immunity*, **2015**, 83, 2966-75	3.7	53
139	Genome-wide analysis of ruminant Staphylococcus aureus reveals diversification of the core genome. *Journal of Bacteriology*, **2008**, 190, 6302-17	3.5	53
138	Staphylococcus aureus phenol-soluble modulin peptides modulate dendritic cell functions and increase in vitro priming of regulatory T cells. *Journal of Immunology*, **2013**, 190, 3417-26	5.3	51
137	Investigational drugs to treat methicillin-resistant Staphylococcus aureus. *Expert Opinion on Investigational Drugs*, **2016**, 25, 73-93	5.9	48
136	Molecular genetics of Staphylococcus epidermidis biofilms on indwelling medical devices. *International Journal of Artificial Organs*, **2005**, 28, 1069-78	1.9	48
135	Insight into structure-function relationship in phenol-soluble modulins using an alanine screen of the phenol-soluble modulin (PSM) β peptide. *FASEB Journal*, **2014**, 28, 153-61	0.9	47
134	Bacterial Abscess Formation Is Controlled by the Stringent Stress Response and Can Be Targeted Therapeutically. *EBioMedicine*, **2016**, 12, 219-226	8.8	47
133	Producer self-protection against the lantibiotic epidermin by the ABC transporter EpiFEG of Staphylococcus epidermidis Tü3298. *FEMS Microbiology Letters*, **1998**, 166, 203-211	2.9	46
132	AI-2-dependent gene regulation in Staphylococcus epidermidis. *BMC Microbiology*, **2008**, 8, 4	4.5	46
131	Staphylococcus epidermidis Contributes to Healthy Maturation of the Nasal Microbiome by Stimulating Antimicrobial Peptide Production. *Cell Host and Microbe*, **2020**, 27, 68-78.e5	23.4	43
130	Oxacillin alters the toxin expression profile of community-associated methicillin-resistant Staphylococcus aureus. *Antimicrobial Agents and Chemotherapy*, **2014**, 58, 1100-7	5.9	42
129	An antidote for Staphylococcus aureus pneumonia?. *Journal of Experimental Medicine*, **2008**, 205, 271-4	16.6	42
128	Phenol-soluble modulins in staphylococci: What are they originally for?. *Communicative and Integrative Biology*, **2012**, 5, 275-7	1.7	41
127	Targeted immunotherapy for staphylococcal infections : focus on anti-MSCRAMM antibodies. *BioDrugs*, **2008**, 22, 27-36	7.9	41
126	Development of real-time in vivo imaging of device-related Staphylococcus epidermidis infection in mice and influence of animal immune status on susceptibility to infection. *Journal of Infectious Diseases*, **2008**, 198, 258-61	7	41

125	SarZ is a key regulator of biofilm formation and virulence in Staphylococcus epidermidis. *Journal of Infectious Diseases*, **2008**, 197, 1254-62	7	41
124	Pathogenomic analysis of the common bovine Staphylococcus aureus clone (ET3): emergence of a virulent subtype with potential risk to public health. *Journal of Infectious Diseases*, **2008**, 197, 205-13	7	41
123	Colonization of medical devices by staphylococci. *Environmental Microbiology*, **2018**, 20, 3141-3153	5.2	40
122	Non-classical Protein Excretion Is Boosted by PSM-Induced Cell Leakage. *Cell Reports*, **2017**, 20, 1278-1286	8.6	40
121	Staphylococcal persistence due to biofilm formation in synovial fluid containing prophylactic cefazolin. *Antimicrobial Agents and Chemotherapy*, **2015**, 59, 2122-8	5.9	40
120	The potential use of toxin antibodies as a strategy for controlling acute Staphylococcus aureus infections. *Expert Opinion on Therapeutic Targets*, **2012**, 16, 601-12	6.4	40
119	A MRSA-terious enemy among us: end of the PVL controversy?. *Nature Medicine*, **2011**, 17, 169-70	50.5	40
118	Neutrophil chemotaxis by pathogen-associated molecular patterns--formylated peptides are crucial but not the sole neutrophil attractants produced by Staphylococcus aureus. *Cellular Microbiology*, **2006**, 8, 207-17	3.9	40
117	Corynebacterium pseudodiphtheriticum Exploits Staphylococcus aureus Virulence Components in a Novel Polymicrobial Defense Strategy. *MBio*, **2019**, 10,	7.8	39
116	Staphylococcal adaptation to diverse physiologic niches: an overview of transcriptomic and phenotypic changes in different biological environments. *Future Microbiology*, **2015**, 10, 1981-95	2.9	39
115	Production of an attenuated phenol-soluble modulin variant unique to the MRSA clonal complex 30 increases severity of bloodstream infection. *PLoS Pathogens*, **2014**, 10, e1004298	7.6	39
114	sarA negatively regulates Staphylococcus epidermidis biofilm formation by modulating expression of 1 MDa extracellular matrix binding protein and autolysis-dependent release of eDNA. *Molecular Microbiology*, **2012**, 86, 394-410	4.1	39
113	Subinhibitory concentrations of protein synthesis-inhibiting antibiotics promote increased expression of the agr virulence regulator and production of phenol-soluble modulin cytolysins in community-associated methicillin-resistant Staphylococcus aureus. *Antimicrobial Agents and Chemotherapy*, **2010**, 54, 4942-4	5.9	39
112	Nox2 modification of LDL is essential for optimal apolipoprotein B-mediated control of agr type III Staphylococcus aureus quorum-sensing. *PLoS Pathogens*, **2013**, 9, e1003166	7.6	38
111	The Mechanism behind Bacterial Lipoprotein Release: Phenol-Soluble Modulins Mediate Toll-Like Receptor 2 Activation via Extracellular Vesicle Release from Staphylococcus aureus. *MBio*, **2018**, 9,	7.8	38
110	Fighting Staphylococcus aureus Biofilms with Monoclonal Antibodies. *Trends in Microbiology*, **2019**, 27, 303-322	12.4	37
109	Role of the ESAT-6 secretion system in virulence of the emerging community-associated Staphylococcus aureus lineage ST398. *Scientific Reports*, **2016**, 6, 25163	4.9	36
108	Resistance to leukocytes ties benefits of quorum sensing dysfunctionality to biofilm infection. *Nature Microbiology*, **2019**, 4, 1114-1119	26.6	35

107	The psm-locus regulates production of Staphylococcus aureus alpha-toxin during infection. *Infection and Immunity*, **2014**, 82, 3350-8	3.7	35
106	Toxin Mediates Sepsis Caused by Methicillin-Resistant Staphylococcus epidermidis. *PLoS Pathogens*, **2017**, 13, e1006153	7.6	33
105	Do amyloid structures formed by Staphylococcus aureus phenol-soluble modulins have a biological function?. *International Journal of Medical Microbiology*, **2018**, 308, 675-682	3.7	33
104	Identification of the sigB operon in Staphylococcus epidermidis: construction and characterization of a sigB deletion mutant. *Infection and Immunity*, **2001**, 69, 7933-6	3.7	33
103	ABC transporters of staphylococci. *Research in Microbiology*, **2001**, 152, 351-6	4	33
102	Looking toward basic science for potential drug discovery targets against community-associated MRSA. *Medicinal Research Reviews*, **2010**, 30, 1-22	14.4	31
101	Activity of Staphylococcus epidermidis phenol-soluble modulin peptides expressed in Staphylococcus carnosus. *Journal of Infectious Diseases*, **2004**, 190, 748-55	7	31
100	Relative contribution of Panton-Valentine leukocidin to PMN plasma membrane permeability and lysis caused by USA300 and USA400 culture supernatants. *Microbes and Infection*, **2010**, 12, 446-56	9.3	30
99	The eukaryotic-type serine/threonine protein kinase Stk is required for biofilm formation and virulence in Staphylococcus epidermidis. *PLoS ONE*, **2011**, 6, e25380	3.7	29
98	The staphylococcal exopolysaccharide PIA - Biosynthesis and role in biofilm formation, colonization, and infection. *Computational and Structural Biotechnology Journal*, **2020**, 18, 3324-3334	6.8	29
97	PSM-Mec-A Virulence Determinant that Connects Transcriptional Regulation, Virulence, and Antibiotic Resistance in Staphylococci. *Frontiers in Microbiology*, **2016**, 7, 1293	5.7	29
96	Virulence determinants associated with the Asian community-associated methicillin-resistant Staphylococcus aureus lineage ST59. *Scientific Reports*, **2016**, 6, 27899	4.9	29
95	Methicillin-resistant causes sustained collecting lymphatic vessel dysfunction. *Science Translational Medicine*, **2018**, 10,	17.5	28
94	The virulence regulator Agr controls the staphylococcal capacity to activate human neutrophils via the formyl peptide receptor 2. *Journal of Innate Immunity*, **2012**, 4, 201-12	6.9	28
93	A neonatal model of intravenous Staphylococcus epidermidis infection in mice . *PLoS ONE*, **2012**, 7, e43897	3.7	28
92	Control of antimicrobial peptide synthesis by the agr quorum sensing system in Staphylococcus epidermidis: activity of the lantibiotic epidermin is regulated at the level of precursor peptide processing. *Peptides*, **2003**, 24, 329-38	3.8	27
91	Role of Phenol-Soluble Modulins in Staphylococcus epidermidis Biofilm Formation and Infection of Indwelling Medical Devices. *Journal of Molecular Biology*, **2019**, 431, 3015-3027	6.5	25
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