

# Michael Otto

## List of Publications by Year in descending order

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274  
papers

34,978  
citations

3264

94  
h-index

4622

176  
g-index

280  
all docs

280  
docs citations

280  
times ranked

26770  
citing authors

#	ARTICLE	IF	CITATIONS
1	Staphylococcus epidermidis – the 'accidental' pathogen. Nature Reviews Microbiology, 2009, 7, 555-567.	13.6	1,353
2	Community-associated methicillin-resistant Staphylococcus aureus. Lancet, The, 2010, 375, 1557-1568.	6.3	1,178
3	Identification of novel cytolytic peptides as key virulence determinants for community-associated MRSA. Nature Medicine, 2007, 13, 1510-1514.	15.2	920
4	Inactivation of the <i>dlt</i> Operon in Staphylococcus aureus Confers Sensitivity to Defensins, Protegrins, and Other Antimicrobial Peptides. Journal of Biological Chemistry, 1999, 274, 8405-8410.	1.6	886
5	Staphylococcal Biofilms. Current Topics in Microbiology and Immunology, 2008, 322, 207-228.	0.7	749
6	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, 1067-1076.	4.2	706
7	Different drugs for bad bugs: antivirulence strategies in the age of antibiotic resistance. Nature Reviews Drug Discovery, 2017, 16, 457-471.	21.5	570
8	Polysaccharide intercellular adhesin (PIA) protects Staphylococcus epidermidis against major components of the human innate immune system. Cellular Microbiology, 2004, 6, 269-275.	1.1	556
9	Staphylococcus epidermidis infections. Microbes and Infection, 2002, 4, 481-489.	1.0	546
10	Is Pantón-Valentine Leukocidin the Major Virulence Determinant in Community-Associated Methicillin-Resistant Staphylococcus aureus Disease?. Journal of Infectious Diseases, 2006, 194, 1761-1770.	1.9	539
11	How <i>Staphylococcus aureus</i> biofilms develop their characteristic structure. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1281-1286.	3.3	526
12	RNAIII-Independent Target Gene Control by the <i>agr</i> Quorum-Sensing System: Insight into the Evolution of Virulence Regulation in Staphylococcus aureus. Molecular Cell, 2008, 32, 150-158.	4.5	489
13	A Crucial Role for Exopolysaccharide Modification in Bacterial Biofilm Formation, Immune Evasion, and Virulence. Journal of Biological Chemistry, 2004, 279, 54881-54886.	1.6	480
14	Staphylococcal Infections: Mechanisms of Biofilm Maturation and Detachment as Critical Determinants of Pathogenicity. Annual Review of Medicine, 2013, 64, 175-188.	5.0	474
15	Pathogenicity and virulence of <i>Staphylococcus aureus</i> . Virulence, 2021, 12, 547-569.	1.8	469
16	Staphylococcus aureus toxins. Current Opinion in Microbiology, 2014, 17, 32-37.	2.3	456
17	Poring over pores: $\phi$ -hemolysin and Pantón-Valentine leukocidin in Staphylococcus aureus pneumonia. Nature Medicine, 2007, 13, 1405-1406.	15.2	443
18	Staphylococcus $\phi$ -toxin induces allergic skin disease by activating mast cells. Nature, 2013, 503, 397-401.	13.7	429

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19	Impact of theagrQuorumSensing System on Adherence to Polystyrene inStaphylococcus aureus. Journal of Infectious Diseases, 2000, 182, 1688-1693.	1.9	425
20	A Wave of Regulatory T Cells into Neonatal Skin Mediates Tolerance to Commensal Microbes. Immunity, 2015, 43, 1011-1021.	6.6	424
21	Basis of Virulence in Community-Associated Methicillin-Resistant <i>Staphylococcus aureus</i>. Annual Review of Microbiology, 2010, 64, 143-162.	2.9	392
22	Pathogen elimination by probiotic Bacillus via signalling interference. Nature, 2018, 562, 532-537.	13.7	389
23	Quorum-sensing regulation in staphylococciâ€”an overview. Frontiers in Microbiology, 2015, 6, 1174.	1.5	365
24	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, 4208-4218.	1.4	359
25	Evolution of virulence in epidemic community-associated methicillin-resistant <i>Staphylococcus aureus</i>. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5883-5888.	3.3	354
26	Phenol-soluble modulins and staphylococcal infection. Nature Reviews Microbiology, 2013, 11, 667-673.	13.6	344
27	Epidemic community-associated methicillin-resistant <i>Staphylococcus aureus</i> : Recent clonal expansion and diversification. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 1327-1332.	3.3	340
28	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.	0.3	337
29	Molecular Basis of InVivo Biofilm Formation by Bacterial Pathogens. Chemistry and Biology, 2012, 19, 1503-1513.	6.2	318
30	Staphylococcus quorum sensing in biofilm formation and infection. International Journal of Medical Microbiology, 2006, 296, 133-139.	1.5	317
31	QuorumSensing Control of Biofilm Factors inStaphylococcus epidermidis. Journal of Infectious Diseases, 2003, 188, 706-718.	1.9	296
32	Phenol-soluble modulins â€” critical determinants of staphylococcal virulence. FEMS Microbiology Reviews, 2014, 38, 698-719.	3.9	295
33	Selective Chemical Inhibition of agr Quorum Sensing in Staphylococcus aureus Promotes Host Defense with Minimal Impact on Resistance. PLoS Pathogens, 2014, 10, e1004174.	2.1	285
34	The role of virulence determinants in community-associated MRSA pathogenesis. Trends in Microbiology, 2008, 16, 361-369.	3.5	276
35	Role of the Accessory Gene Regulator <i>agr</i> in Community-Associated Methicillin-Resistant Staphylococcus aureus Pathogenesis. Infection and Immunity, 2011, 79, 1927-1935.	1.0	272
36	The antimicrobial peptideSensing system <i>aps</i> of <i>Staphylococcus aureus</i>. Molecular Microbiology, 2007, 66, 1136-1147.	1.2	271

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37	Community-associated MRSA: What makes them special?. International Journal of Medical Microbiology, 2013, 303, 324-330.	1.5	270
38	Bacterial strategies of resistance to antimicrobial peptides. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150292.	1.8	264
39	Gram-positive three-component antimicrobial peptide-sensing system. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9469-9474.	3.3	254
40	MRSA virulence and spread. Cellular Microbiology, 2012, 14, 1513-1521.	1.1	253
41	Staphylococcus epidermidis surfactant peptides promote biofilm maturation and dissemination of biofilm-associated infection in mice. Journal of Clinical Investigation, 2011, 121, 238-248.	3.9	249
42	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, 289-298.	1.9	245
43	Human Formyl Peptide Receptor 2 Senses Highly Pathogenic Staphylococcus aureus. Cell Host and Microbe, 2010, 7, 463-473.	5.1	242
44	MRSA epidemic linked to a quickly spreading colonization and virulence determinant. Nature Medicine, 2012, 18, 816-819.	15.2	242
45	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, 2845-2847.	1.4	240
46	Comparative Analysis of USA300 Virulence Determinants in a Rabbit Model of Skin and Soft Tissue Infection. Journal of Infectious Diseases, 2011, 204, 937-941.	1.9	229
47	Role of the luxS Quorum-Sensing System in Biofilm Formation and Virulence of Staphylococcus epidermidis. Infection and Immunity, 2006, 74, 488-496.	1.0	221
48	Molecular basis of Staphylococcus epidermidis infections. Seminars in Immunopathology, 2012, 34, 201-214.	2.8	220
49	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, 1166-1170.	1.9	218
50	Staphylococcal Biofilms. Microbiology Spectrum, 2018, 6, .	1.2	216
51	Staphylococcus epidermidis pan-genome sequence analysis reveals diversity of skin commensal and hospital infection-associated isolates. Genome Biology, 2012, 13, R64.	13.9	206
52	Global Changes in Staphylococcus aureus Gene Expression in Human Blood. PLoS ONE, 2011, 6, e18617.	1.1	205
53	Host Defense and Pathogenesis in Staphylococcus aureus Infections. Infectious Disease Clinics of North America, 2009, 23, 17-34.	1.9	203
54	Increased Colonization of Indwelling Medical Devices by Quorum-Sensing Mutants of Staphylococcus epidermidis In Vivo. Journal of Infectious Diseases, 2004, 190, 1498-1505.	1.9	201

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55	<i>Staphylococcus</i> colonization of the skin and antimicrobial peptides. <i>Expert Review of Dermatology</i> , 2010, 5, 183-195.	0.3	195
56	Coagulase-negative staphylococci as reservoirs of genes facilitating MRSA infection. <i>BioEssays</i> , 2013, 35, 4-11.	1.2	188
57	<i>Staphylococcus aureus</i> Virulent PSM Peptides Induce Keratinocyte Alarmin Release to Orchestrate IL-17-Dependent Skin Inflammation. <i>Cell Host and Microbe</i> , 2017, 22, 667-677.e5.	5.1	183
58	A commensal strain of <i>Staphylococcus epidermidis</i> protects against skin neoplasia. <i>Science Advances</i> , 2018, 4, eaao4502.	4.7	183
59	Key role of poly-DL-glutamic acid in immune evasion and virulence of <i>Staphylococcus epidermidis</i> . <i>Journal of Clinical Investigation</i> , 2005, 115, 688-694.	3.9	179
60	Identification and treatment of the <i>Staphylococcus aureus</i> reservoir in vivo. <i>Journal of Experimental Medicine</i> , 2016, 213, 1141-1151.	4.2	178
61	Pheromone Cross-Inhibition between <i>Staphylococcus aureus</i> and <i>Staphylococcus epidermidis</i> . <i>Infection and Immunity</i> , 2001, 69, 1957-1960.	1.0	176
62	The SaeR/S Gene Regulatory System Is Essential for Innate Immune Evasion by <i>Staphylococcus aureus</i> . <i>Journal of Infectious Diseases</i> , 2009, 199, 1698-1706.	1.9	176
63	Mobile Genetic Element-Encoded Cytolysin Connects Virulence to Methicillin Resistance in MRSA. <i>PLoS Pathogens</i> , 2009, 5, e1000533.	2.1	174
64	Quorum-sensing control in Staphylococci – a target for antimicrobial drug therapy?. <i>FEMS Microbiology Letters</i> , 2004, 241, 135-141.	0.7	173
65	<i>Staphylococcus epidermidis</i> Strategies to Avoid Killing by Human Neutrophils. <i>PLoS Pathogens</i> , 2010, 6, e1001133.	2.1	171
66	Basis of Virulence in Enterotoxin-Mediated Staphylococcal Food Poisoning. <i>Frontiers in Microbiology</i> , 2018, 9, 436.	1.5	170
67	Contribution of Panton-Valentine Leukocidin in Community-Associated Methicillin-Resistant <i>Staphylococcus aureus</i> Pathogenesis. <i>PLoS ONE</i> , 2008, 3, e3198.	1.1	170
68	Apolipoprotein B Is an Innate Barrier against Invasive <i>Staphylococcus aureus</i> Infection. <i>Cell Host and Microbe</i> , 2008, 4, 555-566.	5.1	160
69	Cytoplasmic replication of <i>S. aureus</i> upon phagosomal escape triggered by phenol-soluble modulins. <i>Cellular Microbiology</i> , 2014, 16, 451-465.	1.1	160
70	Staphylococcal alpha-phenol soluble modulins contribute to neutrophil lysis after phagocytosis. <i>Cellular Microbiology</i> , 2013, 15, 1427-1437.	1.1	158
71	Virulence factors of the coagulase-negative staphylococci. <i>Frontiers in Bioscience - Landmark</i> , 2004, 9, 841.	3.0	157
72	Inhibition of virulence factor expression in <i>Staphylococcus aureus</i> by the <i>Staphylococcus epidermidis</i> agr pheromone and derivatives. <i>FEBS Letters</i> , 1999, 450, 257-262.	1.3	155

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73	Comparative Analysis of Virulence and Toxin Expression of Global Community-Associated Methicillin-Resistant <i>Staphylococcus aureus</i> Strains. <i>Journal of Infectious Diseases</i> , 2010, 202, 1866-1876.	1.9	150
74	Evolution of community- and healthcare-associated methicillin-resistant <i>Staphylococcus aureus</i> . <i>Infection, Genetics and Evolution</i> , 2014, 21, 563-574.	1.0	150
75	Essential <i>Staphylococcus aureus</i> toxin export system. <i>Nature Medicine</i> , 2013, 19, 364-367.	15.2	144
76	Effect of Biofilms on Recalcitrance of Staphylococcal Joint Infection to Antibiotic Treatment. <i>Journal of Infectious Diseases</i> , 2015, 211, 641-650.	1.9	144
77	The human anionic antimicrobial peptide dermcidin induces proteolytic defence mechanisms in staphylococci. <i>Molecular Microbiology</i> , 2007, 63, 497-506.	1.2	142
78	Structure of the pheromone peptide of the <i>Staphylococcus epidermidis</i> agr system. <i>FEBS Letters</i> , 1998, 424, 89-94.	1.3	139
79	Molecular differentiation of historic phage-type 80/81 and contemporary epidemic <i>Staphylococcus aureus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18091-18096.	3.3	139
80	Regulated expression of pathogen-associated molecular pattern molecules in <i>Staphylococcus epidermidis</i> : quorum-sensing determines pro-inflammatory capacity and production of phenol-soluble modulins. <i>Cellular Microbiology</i> , 2004, 6, 753-759.	1.1	136
81	Bacterial Evasion of Antimicrobial Peptides by Biofilm Formation. , 2006, 306, 251-258.		131
82	Antimicrobial Activity of Community-associated Methicillin-resistant <i>Staphylococcus aureus</i> Is Caused by Phenol-soluble Modulins. <i>Journal of Biological Chemistry</i> , 2011, 286, 8933-8940.	1.6	130
83	Glycosylation of Wall Teichoic Acid in <i>Staphylococcus aureus</i> by TarM. <i>Journal of Biological Chemistry</i> , 2010, 285, 13405-13415.	1.6	127
84	Neutrophil Microbicides Induce a Pathogen Survival Response in Community-Associated Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Journal of Immunology</i> , 2008, 180, 500-509.	0.4	126
85	<i>Staphylococcus aureus</i> Biofilm Metabolism and the Influence of Arginine on Polysaccharide Intercellular Adhesin Synthesis, Biofilm Formation, and Pathogenesis. <i>Infection and Immunity</i> , 2007, 75, 4219-4226.	1.0	123
86	Phenol-soluble modulins. <i>International Journal of Medical Microbiology</i> , 2014, 304, 164-169.	1.5	122
87	Construction and Characterization of an agr Deletion Mutant of <i>Staphylococcus epidermidis</i> . <i>Infection and Immunity</i> , 2000, 68, 1048-1053.	1.0	119
88	<i>Staphylococcus aureus</i> produces pain through pore-forming toxins and neuronal TRPV1 that is silenced by QX-314. <i>Nature Communications</i> , 2018, 9, 37.	5.8	117
89	The staphylococcal exopolysaccharide PIA Biosynthesis and role in biofilm formation, colonization, and infection. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 3324-3334.	1.9	110
90	Synthesis and Deformylation of <i>Staphylococcus aureus</i> $\delta$ -Toxin Are Linked to Tricarboxylic Acid Cycle Activity. <i>Journal of Bacteriology</i> , 2003, 185, 6686-6694.	1.0	107

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91	Genetic Diversity of Arginine Catabolic Mobile Element in <i>Staphylococcus epidermidis</i> . PLoS ONE, 2009, 4, e7722.	1.1	103
92	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, 13867-13872.	3.3	102
93	<i>Staphylococcus epidermidis</i> Polysaccharide Intercellular Adhesin Production Significantly Increases during Tricarboxylic Acid Cycle Stress. Journal of Bacteriology, 2005, 187, 2967-2973.	1.0	102
94	Direct and synergistic hemolysis caused by <i>Staphylococcus</i> phenol-soluble modulins: implications for diagnosis and pathogenesis. Microbes and Infection, 2012, 14, 380-386.	1.0	102
95	Neutrophil Recruitment to Lymph Nodes Limits Local Humoral Response to <i>Staphylococcus aureus</i> . PLoS Pathogens, 2015, 11, e1004827.	2.1	102
96	Immune Evasion Mechanisms of <i>Staphylococcus epidermidis</i> Biofilm Infection. Frontiers in Microbiology, 2018, 9, 359.	1.5	102
97	Molecular determinants of staphylococcal biofilm dispersal and structuring. Frontiers in Cellular and Infection Microbiology, 2014, 4, 167.	1.8	99
98	<i>Staphylococcus epidermidis</i> Contributes to Healthy Maturation of the Nasal Microbiome by Stimulating Antimicrobial Peptide Production. Cell Host and Microbe, 2020, 27, 68-78.e5.	5.1	99
99	Persistent strains of coagulase-negative staphylococci in a neonatal intensive care unit: virulence factors and invasiveness. Clinical Microbiology and Infection, 2007, 13, 1100-1111.	2.8	98
100	Mechanisms of resistance to antimicrobial peptides in staphylococci. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 3055-3061.	1.4	96
101	Key role of poly- $\gamma$ -D-glutamic acid in immune evasion and virulence of <i>Staphylococcus epidermidis</i> . Journal of Clinical Investigation, 2005, 115, 688-694.	3.9	96
102	Factors Characterizing <i>Staphylococcus epidermidis</i> Invasiveness Determined by Comparative Genomics. Infection and Immunity, 2005, 73, 1856-1860.	1.0	95
103	Understanding the significance of <i>Staphylococcus epidermidis</i> bacteremia in babies and children. Current Opinion in Infectious Diseases, 2010, 23, 208-216.	1.3	94
104	Improved understanding of factors driving methicillin-resistant <i>Staphylococcus aureus</i> epidemic waves. Clinical Epidemiology, 2013, 5, 205.	1.5	94
105	Colonization of medical devices by staphylococci. Environmental Microbiology, 2018, 20, 3141-3153.	1.8	94
106	Furanone at Subinhibitory Concentrations Enhances Staphylococcal Biofilm Formation by <i>luxS</i> Repression. Antimicrobial Agents and Chemotherapy, 2009, 53, 4159-4166.	1.4	93
107	Host Response to <i>Staphylococcus epidermidis</i> Colonization and Infections. Frontiers in Cellular and Infection Microbiology, 2017, 7, 90.	1.8	92
108	Neutrophil responses to staphylococcal pathogens and commensals via the formyl peptide receptor 2 relates to phenol-soluble modulins release and virulence. FASEB Journal, 2011, 25, 1254-1263.	0.2	91



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109	Bacterial insertion sequence IS256 as a potential molecular marker to discriminate invasive strains from commensal strains of <i>Staphylococcus epidermidis</i> . <i>Journal of Hospital Infection</i> , 2005, 61, 342-348.	1.4	89
110	<i>Staphylococcus aureus</i> and <i>Staphylococcus epidermidis</i> peptide pheromones produced by the accessory gene regulator agr system. <i>Peptides</i> , 2001, 22, 1603-1608.	1.2	88
111	<i>Staphylococcus aureus</i> Panton-Valentine Leukocidin Contributes to Inflammation and Muscle Tissue Injury. <i>PLoS ONE</i> , 2009, 4, e6387.	1.1	87
112	Toll-like receptor 2 activation depends on lipopeptide shedding by bacterial surfactants. <i>Nature Communications</i> , 2016, 7, 12304.	5.8	86
113	<i>Staphylococcus epidermidis</i> Pathogenesis. <i>Methods in Molecular Biology</i> , 2014, 1106, 17-31.	0.4	85
114	Structure-function relationships in the tryptophan-rich, antimicrobial peptide indolicidin. <i>Journal of Peptide Science</i> , 2001, 7, 552-564.	0.8	84
115	Commensal <i>Staphylococcus epidermidis</i> contributes to skin barrier homeostasis by generating protective ceramides. <i>Cell Host and Microbe</i> , 2022, 30, 301-313.e9.	5.1	84
116	Conversion of <i>Staphylococcus epidermidis</i> Strains from Commensal to Invasive by Expression of the ica Locus Encoding Production of Biofilm Exopolysaccharide. <i>Infection and Immunity</i> , 2005, 73, 3188-3191.	1.0	83
117	Role of ClpP in biofilm formation and virulence of <i>Staphylococcus epidermidis</i> . <i>Microbes and Infection</i> , 2007, 9, 1376-1383.	1.0	83
118	Bacterial Sensing of Antimicrobial Peptides. <i>Contributions To Microbiology</i> , 2009, 16, 136-149.	2.1	81
119	Physical stress and bacterial colonization. <i>FEMS Microbiology Reviews</i> , 2014, 38, 1250-1270.	3.9	80
120	Role of Phenol-Soluble Modulins in Formation of <i>Staphylococcus aureus</i> Biofilms in Synovial Fluid. <i>Infection and Immunity</i> , 2015, 83, 2966-2975.	1.0	80
121	Defining the Strain-Dependent Impact of the Staphylococcal Accessory Regulator ( <i>sarA</i> ) on the Alpha-Toxin Phenotype of <i>Staphylococcus aureus</i> . <i>Journal of Bacteriology</i> , 2011, 193, 2948-2958.	1.0	78
122	Engagement of the Pathogen Survival Response Used by Group A <i>Streptococcus</i> to Avert Destruction by Innate Host Defense. <i>Journal of Immunology</i> , 2004, 173, 1194-1201.	0.4	77
123	A Point Mutation in the <i>agr</i> Locus rather than Expression of the Panton-Valentine Leukocidin Caused Previously Reported Phenotypes in <i>Staphylococcus aureus</i> Pneumonia and Gene Regulation. <i>Journal of Infectious Diseases</i> , 2009, 200, 724-734.	1.9	76
124	<i>Staphylococcus aureus</i> Mutant Screen Reveals Interaction of the Human Antimicrobial Peptide Dermcidin with Membrane Phospholipids. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 4200-4210.	1.4	76
125	Producer self-protection against the lantibiotic epidermin by the ABC transporter EpiFEG of <i>Staphylococcus epidermidis</i> . <i>FEMS Microbiology Letters</i> , 1998, 166, 203-211.	0.7	74
126	Investigational therapies targeting quorum-sensing for the treatment of <i>Staphylococcus aureus</i> infections. <i>Expert Opinion on Investigational Drugs</i> , 2015, 24, 689-704.	1.9	73



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127	Characterization of the <i>Staphylococcus epidermidis</i> Accessory Gene Regulator Response: Quorum Sensing Regulation of Resistance to Human Innate Host Defense. <i>Journal of Infectious Diseases</i> , 2006, 193, 841-848.	1.9	72
128	Distribution and Regulation of the Mobile Genetic Element-Encoded Phenol-Soluble Modulin PSM-mec in Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>PLoS ONE</i> , 2011, 6, e28781.	1.1	71
129	Novel targeted immunotherapy approaches for staphylococcal infection. <i>Expert Opinion on Biological Therapy</i> , 2010, 10, 1049-1059.	1.4	69
130	<i>Corynebacterium pseudodiphtheriticum</i> Exploits <i>Staphylococcus aureus</i> Virulence Components in a Novel Polymicrobial Defense Strategy. <i>MBio</i> , 2019, 10, .	1.8	69
131	<i>Staphylococcus aureus</i> Phenol-Soluble Modulin Peptides Modulate Dendritic Cell Functions and Increase In Vitro Priming of Regulatory T Cells. <i>Journal of Immunology</i> , 2013, 190, 3417-3426.	0.4	68
132	A Spaetzle-like role for nerve growth factor $\hat{I}^2$ in vertebrate immunity to <i>Staphylococcus aureus</i> . <i>Science</i> , 2014, 346, 641-646.	6.0	68
133	Non-classical Protein Excretion Is Boosted by PSM-Induced Cell Leakage. <i>Cell Reports</i> , 2017, 20, 1278-1286.	2.9	68
134	The Mechanism behind Bacterial Lipoprotein Release: Phenol-Soluble Modulins Mediate Toll-Like Receptor 2 Activation via Extracellular Vesicle Release from <i>Staphylococcus aureus</i> . <i>MBio</i> , 2018, 9, .	1.8	67
135	Bacterial Abscess Formation Is Controlled by the Stringent Stress Response and Can Be Targeted Therapeutically. <i>EBioMedicine</i> , 2016, 12, 219-226.	2.7	63
136	Inducible expression and cellular location of AgrB, a protein involved in the maturation of the staphylococcal quorum-sensing pheromone. <i>Archives of Microbiology</i> , 2000, 174, 452-455.	1.0	62
137	TLR2 Mediates Recognition of Live <i>Staphylococcus epidermidis</i> and Clearance of Bacteremia. <i>PLoS ONE</i> , 2010, 5, e10111.	1.1	62
138	Investigational drugs to treat methicillin-resistant <i>Staphylococcus aureus</i> . <i>Expert Opinion on Investigational Drugs</i> , 2016, 25, 73-93.	1.9	62
139	Fighting <i>Staphylococcus aureus</i> Biofilms with Monoclonal Antibodies. <i>Trends in Microbiology</i> , 2019, 27, 303-322.	3.5	62
140	<i>Staphylococcus</i> Agr virulence is critical for epidermal colonization and associates with atopic dermatitis development. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	62
141	Staphylococcal Persistence Due to Biofilm Formation in Synovial Fluid Containing Prophylactic Cefazolin. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 2122-2128.	1.4	61
142	AI-2-dependent gene regulation in <i>Staphylococcus epidermidis</i> . <i>BMC Microbiology</i> , 2008, 8, 4.	1.3	58
143	Insight into structure-function relationship in phenol-soluble modulins using an alanine screen of the phenol-soluble modulin (PSM) $\hat{I}^3$ peptide. <i>FASEB Journal</i> , 2014, 28, 153-161.	0.2	58
144	Molecular Genetics of <i>Staphylococcus Epidermidis</i> Biofilms on Indwelling Medical Devices. <i>International Journal of Artificial Organs</i> , 2005, 28, 1069-1078.	0.7	57

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145	Genome-Wide Analysis of Ruminant <i>Staphylococcus aureus</i> Reveals Diversification of the Core Genome. <i>Journal of Bacteriology</i> , 2008, 190, 6302-6317.	1.0	57
146	Resistance to leukocytes ties benefits of quorum sensing dysfunctionality to biofilm infection. <i>Nature Microbiology</i> , 2019, 4, 1114-1119.	5.9	57
147	Producer self-protection against the lantibiotic epidermin by the ABC transporter EpiFEG of <i>Staphylococcus epidermidis</i> TÅ¼3298. <i>FEMS Microbiology Letters</i> , 1998, 166, 203-211.	0.7	56
148	Targeted Immunotherapy for Staphylococcal Infections. <i>BioDrugs</i> , 2008, 22, 27-36.	2.2	55
149	Phenol-soluble modulins in staphylococci. <i>Communicative and Integrative Biology</i> , 2012, 5, 275-277.	0.6	53
150	Role of the ESAT-6 secretion system in virulence of the emerging community-associated <i>Staphylococcus aureus</i> lineage ST398. <i>Scientific Reports</i> , 2016, 6, 25163.	1.6	52
151	Do amyloid structures formed by <i>Staphylococcus aureus</i> phenol-soluble modulins have a biological function?. <i>International Journal of Medical Microbiology</i> , 2018, 308, 675-682.	1.5	52
152	<i>sarA</i> negatively regulates <i>S</i> <i>taphylococcus epidermidis</i> biofilm formation by modulating expression of 1â€%MDa extracellular matrix binding protein and autolysisâ€dependent release of <i>scp</i> eDNA. <i>Molecular Microbiology</i> , 2012, 86, 394-410.	1.2	51
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