Sven Hammerschmidt

List of Publications by Year
in descending order

201 papers	10,789 citations	23500 58 h-index	37111 96 g-index
218 all docs	218 docs citations	218 times ranked	9077 citing authors

#	Article	IF	Citations
1	alpha-Enolase of Streptococcus pneumoniae is a plasmin(ogen)-binding protein displayed on the bacterial cell surface. Molecular Microbiology, 2001, 40, 1273-1287.	1.2	425
2	Illustration of Pneumococcal Polysaccharide Capsule during Adherence and Invasion of Epithelial Cells. Infection and Immunity, 2005, 73, 4653-4667.	1.0	377
3	SpsA, a novel pneumococcal surface protein with specific binding to secretory Immunoglobulin A and secretory component. Molecular Microbiology, 1997, 25, 1113-1124.	1.2	306
4	Nucleotide-binding Oligomerization Domain Proteins Are Innate Immune Receptors for Internalized Streptococcus pneumoniae. Journal of Biological Chemistry, 2004, 279, 36426-36432.	1.6	286
5	Capsule phase variation in Neisseria meningitidis serogroup B by slipped-strand mispairing in the polysialyltransferase gene (siaD): correlation with bacterial invasion and the outbreak of meningococcal disease. Molecular Microbiology, 1996, 20, 1211-1220.	1.2	244
6	Mast Cells Increase Vascular Permeability by Heparin-Initiated Bradykinin Formation InÂVivo. Immunity, 2011, 34, 258-268.	6.6	230
7	Glyceraldehyde-3-Phosphate Dehydrogenase of Streptococcus pneumoniae Is a Surface-Displayed Plasminogen-Binding Protein. Infection and Immunity, 2004, 72, 2416-2419.	1.0	223
8	Identification of a novel plasmin(ogen)-binding motif in surface displayed Î±-enolase of Streptococcus pneumoniae. Molecular Microbiology, 2003, 49, 411-423.	1.2	219
9	Platelet factor 4 binds to bacteria, inducing antibodies cross-reacting with the major antigen in heparin-induced thrombocytopenia. Blood, 2011, 117, 1370-1378.	0.6	207
10	The pavA gene of Streptococcus pneumoniae encodes a fibronectin-binding protein that is essential for virulence. Molecular Microbiology, 2001, 41, 1395-1408.	1.2	199
11	The NLRP3 Inflammasome Contributes to Brain Injury in Pneumococcal Meningitis and Is Activated through ATP-Dependent Lysosomal Cathepsin B Release. Journal of Immunology, 2011, 187, 5440-5451.	0.4	192
12	Versatility of pneumococcal surface proteins. Microbiology (United Kingdom), 2006, 152, 295-303.	0.7	189
13	Modulation of cell surface sialic acid expression in Neisseria meningitidis via a transposable genetic element.. EMBO Journal, 1996, 15, 192-198.	3.5	186
14	The cell wall subproteome ofListeria monocytogenes. Proteomics, 2004, 4, 2991-3006.	1.3	182
15	PavA of Streptococcus pneumoniae Modulates Adherence, Invasion, and Meningeal Inflammation. Infection and Immunity, 2005, 73, 2680-2689.	1.0	158
16	Identification of Pneumococcal Surface Protein A as a Lactoferrin-Binding Protein of <i>Streptococcus pneumoniae</i>. Infection and Immunity, 1999, 67, 1683-1687.	1.0	156
17	Fibrinolysis and host response in bacterial infections. Thrombosis and Haemostasis, 2007, 98, 512-520.	1.8	150
18	Plasmin(ogen)-binding Î±-Enolase from Streptococcus pneumoniae: Crystal Structure and Evaluation of Plasmin(ogen)-binding Sites. Journal of Molecular Biology, 2004, 343, 997-1005.	2.0	147

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19	Contribution of genes from the capsule gene complex (cps) to lipooligosaccharide biosynthesis and serum resistance in Neisseria meningitidis. Molecular Microbiology, 1994, 11, 885-896.	1.2	140
20	Species-specific binding of human secretory component to SpsA protein of Streptococcus pneumoniae via a hexapeptide motif. Molecular Microbiology, 2002, 36, 726-736.	1.2	129
21	Adherence molecules of pathogenic pneumococci. Current Opinion in Microbiology, 2006, 9, 12-20.	2.3	128
22	Toll-Like Receptor Stimulation Enhances Phagocytosis and Intracellular Killing of Nonencapsulated and Encapsulated<i>Streptococcus pneumoniae</i>by Murine Microglia. Infection and Immunity, 2010, 78, 865-871.	1.0	128
23	Integrin-linked kinase is required for vitronectin-mediated internalization of<i>Streptococcus pneumoniae</i>by host cells. Journal of Cell Science, 2009, 122, 256-267.	1.2	124
24	The Host Immune Regulator Factor H Interacts via Two Contact Sites with the PspC Protein of <i>Streptococcus pneumoniae</i> and Mediates Adhesion to Host Epithelial Cells. Journal of Immunology, 2007, 178, 5848-5858.	0.4	118
25	The nine residue plasminogen-binding motif of the pneumococcal enolase is the major cofactor of plasmin-mediated degradation of extracellular matrix, dissolution of fibrin and transmigration. Thrombosis and Haemostasis, 2005, 94, 304-11.	1.8	117
26	The Streptococcal Lipoprotein Rotamase A (SlrA) Is a Functional Peptidyl-prolyl Isomerase Involved in Pneumococcal Colonization. Journal of Biological Chemistry, 2006, 281, 968-976.	1.6	116
27	PavB is a surfaceâ€exposed adhesin of <i>Streptococcus pneumoniae</i> contributing to nasopharyngeal colonization and airways infections. Molecular Microbiology, 2010, 77, 22-43.	1.2	113
28	Dual Roles of PspC, a Surface Protein of <i>Streptococcus pneumoniae</i>, in Binding Human Secretory IgA and Factor H. Journal of Immunology, 2004, 173, 471-477.	0.4	111
29	Bifidobacterial enolase, a cell surface receptor for human plasminogen involved in the interaction with the host. Microbiology (United Kingdom), 2009, 155, 3294-3303.	0.7	110
30	Streptococcus pneumoniae-induced p38 MAPK-dependent Phosphorylation of RelA at the Interleukin-8 Promotor. Journal of Biological Chemistry, 2004, 279, 53241-53247.	1.6	109
31	Binding of Human Plasminogen to Bifidobacterium. Journal of Bacteriology, 2007, 189, 5929-5936.	1.0	109
32	<i>Streptococcus pneumoniae</i>Stimulates a STING- and IFN Regulatory Factor 3-Dependent Type I IFN Production in Macrophages, which Regulates RANTES Production in Macrophages, Cocultured Alveolar Epithelial Cells, and Mouse Lungs. Journal of Immunology, 2012, 188, 811-817.	0.4	106
33	The Influence of Capsulation and Lipooligosaccharide Structure on Neutrophil Adhesion Molecule Expression and Endothelial Injury by Neisseria meningitidis. Journal of Infectious Diseases, 1996, 173, 172-179.	1.9	105
34	Modulation of cell surface sialic acid expression in Neisseria meningitidis via a transposable genetic element. EMBO Journal, 1996, 15, 192-8.	3.5	104
35	Molecular cloning of an Î±-enolase from the human filarial parasite Onchocerca volvulus that binds human plasminogen. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2003, 1627, 111-120.	2.4	102
36	DnaK from Bifidobacterium animalis subsp. lactis is a surface-exposed human plasminogen receptor upregulated in response to bile salts. Microbiology (United Kingdom), 2010, 156, 1609-1618.	0.7	102

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37	Ectodomains 3 and 4 of Human Polymeric Immunoglobulin Receptor (hpIgR) Mediate Invasion of Streptococcus pneumoniae into the Epithelium. Journal of Biological Chemistry, 2004, 279, 6296-6304.	1.6	100
38	Cytosolic Proteins Contribute to Surface Plasminogen Recruitment of Neisseria meningitidis. Journal of Bacteriology, 2007, 189, 3246-3255.	1.0	100
39	Platelet factor 4 binding to lipid A of Gram-negative bacteria exposes PF4/heparin-like epitopes. Blood, 2012, 120, 3345-3352.	0.6	99
40	Molecular architecture of <i>Streptococcus pneumoniae</i> surface thioredoxinâ€fold lipoproteins crucial for extracellular oxidative stress resistance and maintenance of virulence. EMBO Molecular Medicine, 2013, 5, 1852-1870.	3.3	99
41	Molecular analysis of the biosynthesis pathway of the ?-2,8 polysialic acid capsule by Neisseria meningitidls serogroup B. Molecular Microbiology, 1994, 14, 141-149.	1.2	96
42	Association of natural anti-platelet factor 4/heparin antibodies with periodontal disease. Blood, 2011, 118, 1395-1401.	0.6	93
43	Sialic acids of both the capsule and the sialylated lipooligosaccharide of Neisseria meningitis serogroup B are prerequisites for virulence of meningococci in the infant rat. Medical Microbiology and Immunology, 1996, 185, 81-87.	2.6	92
44	Enolase of<i>Streptococcus pneumoniae</i>Binds Human Complement Inhibitor C4b-Binding Protein and Contributes to Complement Evasion. Journal of Immunology, 2012, 189, 3575-3584.	0.4	88
45	The interaction between bacterial enolase and plasminogen promotes adherence of Streptococcus pneumoniae to epithelial and endothelial cells. International Journal of Medical Microbiology, 2013, 303, 452-462.	1.5	88
46	Structural Reevaluation of Streptococcus pneumoniae Lipoteichoic Acid and New Insights into Its Immunostimulatory Potency. Journal of Biological Chemistry, 2013, 288, 15654-15667.	1.6	87
47	Thrombospondinâ€1 promotes cellular adherence of Gramâ€positive pathogens via recognition of peptidoglycan. FASEB Journal, 2007, 21, 3118-3132.	0.2	84
48	Streptococcus pneumoniae enolase is important for plasminogen binding despite low abundance of enolase protein on the bacterial cell surface. Microbiology (United Kingdom), 2006, 152, 1307-1317.	0.7	79
49	Pneumococci induced TLR- and Rac1-dependent NF-ÎºB-recruitment to the IL-8 promoter in lung epithelial cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2006, 290, L730-L737.	1.3	76
50	Complement Regulator Factor H Mediates a Two-step Uptake of Streptococcus pneumoniae by Human Cells. Journal of Biological Chemistry, 2010, 285, 23486-23495.	1.6	75
51	Characterization of Central Carbon Metabolism of Streptococcus pneumoniae by Isotopologue Profiling. Journal of Biological Chemistry, 2012, 287, 4260-4274.	1.6	75
52	Streptococcus pneumoniae- Induced Caspase 6-Dependent Apoptosis in Lung Epithelium. Infection and Immunity, 2004, 72, 4940-4947.	1.0	74
53	Toll-Like Receptor Prestimulation Increases Phagocytosis of<i>Escherichia coli</i>DH5Î± and<i>Escherichia coli</i>K1 Strains by Murine Microglial Cells. Infection and Immunity, 2009, 77, 557-564.	1.0	70
54	Streptococcus pneumoniae two-component regulatory systems: The interplay of the pneumococcus with its environment. International Journal of Medical Microbiology, 2018, 308, 722-737.	1.5	69

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55	Combat Pneumococcal Infections: Adhesins as Candidates for Protein- Based Vaccine Development. Current Drug Targets, 2012, 13, 323-337.	1.0	69
56	Fibrinolysis and host response in bacterial infections. Thrombosis and Haemostasis, 2007, 98, 512-20.	1.8	69
57	The Choline-binding Protein PspC of Streptococcus pneumoniae Interacts with the C-terminal Heparin-binding Domain of Vitronectin. Journal of Biological Chemistry, 2013, 288, 15614-15627.	1.6	66
58	Tuf of Streptococcus pneumoniae is a surface displayed human complement regulator binding protein. Molecular Immunology, 2014, 62, 249-264.	1.0	65
59	Genomic organization, structure, regulation and pathogenic role of pilus constituents in major pathogenic Streptococci and Enterococci. International Journal of Medical Microbiology, 2011, 301, 240-251.	1.5	64
60	Platelets kill bacteria by bridging innate and adaptive immunity via platelet factor 4 and FcÎ³RIIA. Journal of Thrombosis and Haemostasis, 2018, 16, 1187-1197.	1.9	64
61	Impact of pneumococcal microbial surface components recognizing adhesive matrix molecules on colonization. Molecular Oral Microbiology, 2012, 27, 246-256.	1.3	62
62	Defining the Structural Basis of Human Plasminogen Binding by Streptococcal Surface Enolase. Journal of Biological Chemistry, 2009, 284, 17129-17137.	1.6	61
63	The complement fitness Factor H: Role in human diseases and for immune escape of pathogens, like pneumococci. Vaccine, 2008, 26, I67-I74.	1.7	59
64	Surface-associated lipoprotein PpmA of Streptococcus pneumoniae is involved in colonization in a strain-specific manner. Microbiology (United Kingdom), 2009, 155, 2401-2410.	0.7	58
65	IL-10 mediates plasmacytosis-associated immunodeficiency by inhibiting complement-mediated neutrophil migration. Journal of Allergy and Clinical Immunology, 2016, 137, 1487-1497.e6.	1.5	57
66	Regulation of the Arginine Deiminase System by ArgR2 Interferes with Arginine Metabolism and Fitness of Streptococcus pneumoniae. MBio, 2014, 5, .	1.8	54
67	Impact of Glutamine Transporters on Pneumococcal Fitness under Infection-Related Conditions. Infection and Immunity, 2011, 79, 44-58.	1.0	52
68	<i>Streptococcus pneumoniaeâ€"</i>Induced Oxidative Stress in Lung Epithelial Cells Depends on Pneumococcal Autolysis and Is Reversible by Resveratrol. Journal of Infectious Diseases, 2015, 211, 1822-1830.	1.9	52
69	Lipoteichoic acid deficiency permits normal growth but impairs virulence of Streptococcus pneumoniae. Nature Communications, 2017, 8, 2093.	5.8	52
70	Site-specific insertion of IS1301 and distribution in Neisseria meningitidis strains. Journal of Bacteriology, 1996, 178, 2527-2532.	1.0	51
71	Pneumococcal Interaction with Human Dendritic Cells: Phagocytosis, Survival, and Induced Adaptive Immune Response Are Manipulated by PavA. Journal of Immunology, 2009, 183, 1952-1963.	0.4	51
72	Pneumococcal lipoproteins involved in bacterial fitness, virulence, and immune evasion. FEBS Letters, 2016, 590, 3820-3839.	1.3	51

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73	Streptococcus pneumoniae R6x induced p38 MAPK and JNK-mediated Caspase-dependent apoptosis in human endothelial cells. Thrombosis and Haemostasis, 2005, 94, 295-303.	1.8	51
74	Cdc42 and the Phosphatidylinositol 3-Kinase-Akt Pathway Are Essential for PspC-mediated Internalization of Pneumococci by Respiratory Epithelial Cells. Journal of Biological Chemistry, 2009, 284, 19427-19436.	1.6	47
75	Influence of Impaired Lipoprotein Biogenesis on Surface and Exoproteome of <i>Streptococcus pneumoniae</i>. Journal of Proteome Research, 2014, 13, 650-667.	1.8	45
76	Polyphosphates form antigenic complexes with platelet factor 4 (PF4) and enhance PF4-binding to bacteria. Thrombosis and Haemostasis, 2015, 114, 1189-1198.	1.8	42
77	A global Staphylococcus aureus proteome resource applied to the in vivo characterization of host-pathogen interactions. Scientific Reports, 2017, 7, 9718.	1.6	42
78	Induction of human endothelial tissue factor expression byNeisseria meningitidis: the influence of bacterial killing and adherence to the endothelium. Microbial Pathogenesis, 1997, 22, 265-274.	1.3	41
79	Regulation of Production of Mucosal Antibody to Pneumococcal Protein Antigens by T-Cell-Derived Gamma Interferon and Interleukin-10 in Children. Infection and Immunity, 2006, 74, 4735-4743.	1.0	41
80	Structure of the pneumococcal <scp>l</scp>,<scp>d</scp>â€carboxypeptidase <scp>DacB</scp> and pathophysiological effects of disabled cell wall hydrolases <scp>DacA</scp> and <scp>DacB</scp>. Molecular Microbiology, 2014, 93, 1183-1206.	1.2	37
81	Cloning, characterization and DNA immunization of an Onchocerca volvulus glyceraldehyde-3-phosphate dehydrogenase (Ov-GAPDH). Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2005, 1741, 85-94.	1.8	36
82	Streptococcus pneumoniae From Patients With Hemolytic Uremic Syndrome Binds Human Plasminogen via the Surface Protein PspC and Uses Plasmin to Damage Human Endothelial Cells. Journal of Infectious Diseases, 2018, 217, 358-370.	1.9	36
83	TLR9- and Src-dependent expression of Krueppel-like factor 4 controls interleukin-10 expression in pneumonia. European Respiratory Journal, 2013, 41, 384-391.	3.1	35
84	High mobility group box 1 prolongs inflammation and worsens disease in pneumococcal meningitis. Brain, 2013, 136, 1746-1759.	3.7	34
85	Port dâ€™EntrÃ©e for Respiratory Infections â€“ Does the Influenza A Virus Pave the Way for Bacteria?. Frontiers in Microbiology, 2017, 8, 2602.	1.5	33
86	Intranasal Vaccination With Lipoproteins Confers Protection Against Pneumococcal Colonisation. Frontiers in Immunology, 2018, 9, 2405.	2.2	33
87	Modular Architecture and Unique Teichoic Acid Recognition Features of Choline-Binding Protein L (CbpL) Contributing to Pneumococcal Pathogenesis. Scientific Reports, 2016, 6, 38094.	1.6	32
88	The variome of pneumococcal virulence factors and regulators. BMC Genomics, 2018, 19, 10.	1.2	32
89	Extracellular Matrix Interactions with Gram-Positive Pathogens. Microbiology Spectrum, 2019, 7, .	1.2	32
90	Pneumococcal Hydrogen Peroxideâ€“Induced Stress Signaling Regulates Inflammatory Genes. Journal of Infectious Diseases, 2015, 211, 306-316.	1.9	31

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91	Pneumococcal Adhesins PavB and PspC Are Important for the Interplay with Human Thrombospondin-1. Journal of Biological Chemistry, 2015, 290, 14542-14555.	1.6	31
92	SCM, the M Protein of Streptococcus canis Binds Immunoglobulin G. Frontiers in Cellular and Infection Microbiology, 2017, 7, 80.	1.8	31
93	Conserved Patterns of Microbial Immune Escape: Pathogenic Microbes of Diverse Origin Target the Human Terminal Complement Inhibitor Vitronectin via a Single Common Motif. PLoS ONE, 2016, 11, e0147709.	1.1	31
94	Streptococcus pneumoniae induces exocytosis of Weibel-Palade bodies in pulmonary endothelial cells. Cellular Microbiology, 2012, 14, 210-225.	1.1	29
95	Pneumococcal protein PavA is important for nasopharyngeal carriage and development of sepsis. Molecular Oral Microbiology, 2010, 25, 50-60.	1.3	28
96	Bactericidal/Permeability-Increasing Protein Is an Enhancer of Bacterial Lipoprotein Recognition. Frontiers in Immunology, 2018, 9, 2768.	2.2	28
97	Proteomic Investigation Uncovers Potential Targets and Target Sites of Pneumococcal Serine-Threonine Kinase StkP and Phosphatase PhpP. Frontiers in Microbiology, 2019, 10, 3101.	1.5	28
98	Pulmonary Immunostimulation with MALP-2 in Influenza Virus-Infected Mice Increases Survival after Pneumococcal Superinfection. Infection and Immunity, 2015, 83, 4617-4629.	1.0	27
99	Host-derived extracellular RNA promotes adhesion of Streptococcus pneumoniae to endothelial and epithelial cells. Scientific Reports, 2016, 6, 37758.	1.6	27
100	Secreted Immunomodulatory Proteins of Staphylococcus aureus Activate Platelets and Induce Platelet Aggregation. Thrombosis and Haemostasis, 2018, 47, 745-757.	1.8	27
101	Genes associated with meningococcal capsule complex are also found in Neisseria gonorrhoeae. Journal of Bacteriology, 1996, 178, 3342-3345.	1.0	26
102	Leukocyte Attraction by CCL20 and Its Receptor CCR6 in Humans and Mice with Pneumococcal Meningitis. PLoS ONE, 2014, 9, e93057.	1.1	26
103	Proteomic response of Streptococcus pneumoniae to iron limitation. International Journal of Medical Microbiology, 2018, 308, 713-721.	1.5	26
104	The Pneumococcal Surface Proteins PspA and PspC Sequester Host C4-Binding Protein To Inactivate Complement C4b on the Bacterial Surface. Infection and Immunity, 2019, 87, .	1.0	26
105	Repeating Structures of the Major Staphylococcal Autolysin Are Essential for the Interaction with Human Thrombospondin 1 and Vitronectin. Journal of Biological Chemistry, 2014, 289, 4070-4082.	1.6	25
106	In vivo proteomics identifies the competence regulon and AliB oligopeptide transporter as pathogenic factors in pneumococcal meningitis. PLoS Pathogens, 2019, 15, e1007987.	2.1	25
107	Pneumococcal association to platelets is mediated by soluble fibrin and supported by thrombospondin-1. Thrombosis and Haemostasis, 2009, 102, 735-742.	1.8	24
108	TLR2- and Nucleotide-Binding Oligomerization Domain 2-Dependent KrÃ¼ppel-Like Factor 2 Expression Downregulates NF-Î°Bâ€"Related Gene Expression. Journal of Immunology, 2010, 185, 597-604.	0.4	24

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109	Lung dendritic cells facilitate extrapulmonary bacterial dissemination during pneumococcal pneumonia. Frontiers in Cellular and Infection Microbiology, 2013, 3, 21.	1.8	24
110	Aerobic bacteria associated with chronic suppurative otitis media in Angola. Infectious Diseases of Poverty, 2018, 7, 42.	1.5	24
111	HIF-1Î± is involved in bloodâ€“brain barrier dysfunction and paracellular migration of bacteria in pneumococcal meningitis. Acta Neuropathologica, 2020, 140, 183-208.	3.9	24
112	Binding of vitronectin and Factor H to Hic contributes to immune evasion of Streptococcus pneumoniae serotype 3. Thrombosis and Haemostasis, 2015, 113, 125-142.	1.8	23
113	Comparison of pulsed corona plasma and pulsed electric fields for the decontamination of water containing Legionella pneumophila as model organism. Bioelectrochemistry, 2016, 112, 83-90.	2.4	22
114	Pneumolysin induces platelet destruction, not platelet activation, which can be prevented by immunoglobulin preparations in vitro. Blood Advances, 2020, 4, 6315-6326.	2.5	22
115	Hydrogen Peroxide Is Crucial for NLRP3 Inflammasome-Mediated IL-1Î² Production and Cell Death in Pneumococcal Infections of Bronchial Epithelial Cells. Journal of Innate Immunity, 2022, 14, 192-206.	1.8	22
116	Identification of Pneumococcal Surface Protein A as a Lactoferrin-Binding Protein of Streptococcus pneumoniae. Infection and Immunity, 1999, 67, 1683-1687.	1.0	22
117	Streptococcus pneumoniae Infection of Host Epithelial Cells via Polymeric Immunoglobulin Receptor Transiently Induces Calcium Release from Intracellular Stores. Journal of Biological Chemistry, 2011, 286, 17861-17869.	1.6	21
118	Exploitation of physiology and metabolomics to identify pneumococcal vaccine candidates. Expert Review of Vaccines, 2013, 12, 1061-1075.	2.0	21
119	Endocytosis of Streptococcus pneumoniae via the polymeric immunoglobulin receptor of epithelial cells relies on clathrin and caveolin dependent mechanisms. International Journal of Medical Microbiology, 2014, 304, 1233-1246.	1.5	21
120	IL-37 Causes Excessive Inflammation and Tissue Damage in Murine Pneumococcal Pneumonia. Journal of Innate Immunity, 2017, 9, 403-418.	1.8	21
121	Polymeric Immunoglobulin Receptor-mediated Invasion of Streptococcus pneumoniae into Host Cells Requires a Coordinate Signaling of SRC Family of Protein-tyrosine Kinases, ERK, and c-Jun N-terminal Kinase. Journal of Biological Chemistry, 2010, 285, 35615-35623.	1.6	19
122	Fibronectin stimulates <i>Escherichia coli</i> phagocytosis by microglial cells. Glia, 2010, 58, 367-376.	2.5	18
123	The Role of NLRP3 Inflammasome in Pneumococcal Infections. Frontiers in Immunology, 2020, 11, 614801.	2.2	18
124	Attachment of phosphorylcholine residues to pneumococcal teichoic acids and modification of substitution patterns by the phosphorylcholine esterase. Journal of Biological Chemistry, 2018, 293, 10620-10629.	1.6	17
125	The surface-associated elongation factor Tu is concealed for antibody binding on viable pneumococci and meningococci. FEMS Immunology and Medical Microbiology, 2008, 53, 222-230.	2.7	16
126	Mapping the recognition domains of pneumococcal fibronectinâ€binding proteins PavA and PavB demonstrates a common pattern of molecular interactions with fibronectin type III repeats. Molecular Microbiology, 2017, 105, 839-859.	1.2	16

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127	Vitronectin Binds to a Specific Stretch within the Head Region of <i>Yersinia</i> Adhesin A and Thereby Modulates <i>Yersinia enterocolitica</i> Host Interaction. Journal of Innate Immunity, 2017, 9, 33-51.	1.8	16
128	Binding of Î±2-macroglobulin to GRAB (Protein G-related Î±2-macroglobulin-binding protein), an important virulence factor of group A streptococci, is mediated by two charged motifs in the Î”A region. Biochemical Journal, 2004, 381, 877-885.	1.7	15
129	Cell-specific Interleukin-15 and Interleukin-15 receptor subunit expression and regulation in pneumococcal pneumoniaâ€"Comparison to chlamydial lung infection. Cytokine, 2007, 38, 61-73.	1.4	15
130	PROGRESS â€“ prospective observational study on hospitalized community acquired pneumonia. BMC Pulmonary Medicine, 2016, 16, 108.	0.8	15
131	Identification of a Polymeric Ig Receptor Binding Phage-displayed Peptide That Exploits Epithelial Transcytosis without Dimeric IgA Competition. Journal of Biological Chemistry, 2006, 281, 7075-7081.	1.6	14
132	Fibronectin modulates formation of PF4/heparin complexes and is a potential factor for reducing risk of developing HIT. Blood, 2019, 133, 978-989.	0.6	14
133	CRAMP deficiency leads to a pro-inflammatory phenotype and impaired phagocytosis after exposure to bacterial meningitis pathogens. Cell Communication and Signaling, 2017, 15, 32.	2.7	13
134	Metabolic inventory of Streptococcus pneumoniae growing in a chemical defined environment. International Journal of Medical Microbiology, 2018, 308, 705-712.	1.5	13
135	Pneumococcal Metabolic Adaptation and Colonization Are Regulated by the Two-Component Regulatory System 08. MSphere, 2018, 3, .	1.3	13
136	Activated platelets kill Staphylococcus aureus, but not Streptococcus pneumoniaeâ€"The role of FcÎ³RIIa and platelet factor 4/heparinantibodies. Journal of Thrombosis and Haemostasis, 2020, 18, 1459-1468.	1.9	13
137	Heterologous expression of pneumococcal virulence factor PspC on the surface of Lactococcus lactis confers adhesive properties. Microbiology (United Kingdom), 2012, 158, 771-780.	0.7	13
138	Plasminogen-dependent proteolytic activity in Bifidobacterium lactis. Microbiology (United Kingdom), 2008, 154, 2457-2462.	0.7	12
139	Following in Real Time the Impact of Pneumococcal Virulence Factors in an Acute Mouse Pneumonia Model Using Bioluminescent Bacteria. Journal of Visualized Experiments, 2014, , e51174.	0.2	12
140	Serotype 3 pneumococci sequester platelet-derived human thrombospondin-1 via the adhesin and immune evasion protein Hic. Journal of Biological Chemistry, 2017, 292, 5770-5783.	1.6	12
141	Role of purinergic signaling in experimental pneumococcal meningitis. Scientific Reports, 2017, 7, 44625.	1.6	12
142	Contribution of Human Thrombospondin-1 to the Pathogenesis of Gram-Positive Bacteria. Journal of Innate Immunity, 2019, 11, 303-315.	1.8	12
143	Characterization of the interaction of the pneumococcal surface protein SpsA with the human polymeric immunoglobulin receptor (hpIgR). Indian Journal of Medical Research, 2004, 119 Suppl, 61-5.	0.4	12
144	Thioredoxins and Methionine Sulfoxide Reductases in the Pathophysiology of Pneumococcal Meningitis. Journal of Infectious Diseases, 2016, 214, 953-961.	1.9	11

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145	Proteomic Adaptation of Streptococcus pneumoniae to the Human Antimicrobial Peptide LL-37. Microorganisms, 2020, 8, 413.	1.6	11
146	Innate immune responses at the asymptomatic stage of influenza A viral infections of Streptococcus pneumoniae colonized and non-colonized mice. Scientific Reports, 2021, 11, 20609.	1.6	11
147	Von Willebrand Factor Mediates Pneumococcal Aggregation and Adhesion in Blood Flow. Frontiers in Microbiology, 2019, 10, 511.	1.5	10
148	Interaction between the Staphylococcus aureus extracellular adherence protein Eap and its subdomains with platelets. International Journal of Medical Microbiology, 2018, 308, 683-691.	1.5	9
149	Mast Cells Are Activated by Streptococcus pneumoniae In Vitro but Dispensable for the Host Defense Against Pneumococcal Central Nervous System Infection In Vivo. Frontiers in Immunology, 2018, 9, 550.	2.2	9
150	A Giant Extracellular Matrix Binding Protein of <i>Staphylococcus epidermidis</i> Binds Surface-Immobilized Fibronectin via a Novel Mechanism. MBio, 2020, 11, .	1.8	9
151	Characterization of plasmin(ogen) binding to Streptococcus pneumoniae. Indian Journal of Medical Research, 2004, 119 Suppl, 29-32.	0.4	9
152	Platelets, Bacterial Adhesins and the Pneumococcus. Cells, 2022, 11, 1121.	1.8	9
153	Surface-Exposed Adherence Molecules of Streptococcus pneumoniae. Methods in Molecular Biology, 2009, 470, 29-45.	0.4	8
154	Streptococcus pneumoniae inhibits purinergic signaling and promotes purinergic receptor P2Y2 internalization in alveolar epithelial cells. Journal of Biological Chemistry, 2019, 294, 12795-12806.	1.6	8
155	Adenosine Triphosphate Neutralizes Pneumolysin-Induced Neutrophil Activation. Journal of Infectious Diseases, 2020, 222, 1702-1712.	1.9	8
156	16HBE Cell Lipid Mediator Responses to Mono and Co-Infections with Respiratory Pathogens. Metabolites, 2020, 10, 113.	1.3	8
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