Nikolai Siemens

List of Publications by Year
in descending order

33	591	567281 15	642732 23
papers	citations	h-index	g-index

33	33	33	862
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biofilm in group A streptococcal necrotizing soft tissue infections. JCI Insight, 2016, 1, e87882.	5.0	61
2	Streptococcus pyogenes M49 Plasminogen/Plasmin Binding Facilitates Keratinocyte Invasion via Integrin-Integrin-linked Kinase (ILK) Pathways and Protects from Macrophage Killing. Journal of Biological Chemistry, 2011, 286, 21612-21622.	3.4	56
3	Modeling staphylococcal pneumonia in a human 3D lung tissue model system delineates toxin-mediated pathology. DMM Disease Models and Mechanisms, 2015, 8, 1413-25.	2.4	47
4	Increased cytotoxicity and streptolysin O activity in group G streptococcal strains causing invasive tissue infections. Scientific Reports, 2015, 5, 16945.	3.3	36
5	Port dâ€™EntrÃ©e for Respiratory Infections â€“ Does the Influenza A Virus Pave the Way for Bacteria?. Frontiers in Microbiology, 2017, 8, 2602.	3.5	33
6	Genetic Architecture of Group A Streptococcal Necrotizing Soft Tissue Infections in the Mouse. PLoS Pathogens, 2016, 12, e1005732.	4.7	32
7	A point mutation in AgrC determines cytotoxic or colonizing properties associated with phenotypic variants of ST22 MRSA strains. Scientific Reports, 2016, 6, 31360.	3.3	32
8	Differential neutrophil responses to bacterial stimuli: Streptococcal strains are potent inducers of heparin-binding protein and resistin-release. Scientific Reports, 2016, 6, 21288.	3.3	32
9	LL-37 Triggers Formation of <i>Streptococcus pyogenes</i> Extracellular Vesicle-Like Structures with Immune Stimulatory Properties. Journal of Innate Immunity, 2016, 8, 243-257.	3.8	29
10	Characterization of Three Lactic Acid Bacteria and Their Isogenic ldh Deletion Mutants Shows Optimization for Y _{ATP} (Cell Mass Produced per Mole of ATP) at Their Physiological pHs. Applied and Environmental Microbiology, 2011, 77, 612-617.	3.1	25
11	The Role of Streptococcal and Staphylococcal Exotoxins and Proteases in Human Necrotizing Soft Tissue Infections. Toxins, 2019, 11, 332.	3.4	25
12	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.	3.8	22
13	Effects of the ERES Pathogenicity Region Regulator Ralp3 on Streptococcus pyogenes Serotype M49 Virulence Factor Expression. Journal of Bacteriology, 2012, 194, 3618-3626.	2.2	19
14	The Extracellular Protein Factor Epf from Streptococcus pyogenes Is a Cell Surface Adhesin That Binds to Cells through an N-terminal Domain Containing a Carbohydrate-binding Module. Journal of Biological Chemistry, 2012, 287, 38178-38189.	3.4	18
15	The Role of NLRP3 Inflammasome in Pneumococcal Infections. Frontiers in Immunology, 2020, 11, 614801.	4.8	18
16	Glycoconjugated Phthalocyanines as Photosensitizers for PDT â€“ Overcoming Aggregation in Solution. European Journal of Organic Chemistry, 2019, 2019, 7089-7116.	2.4	14
17	Phosphoglycerate Kinaseâ€”A Novel Streptococcal Factor Involved in Neutrophil Activation and Degranulation. Journal of Infectious Diseases, 2016, 214, 1876-1883.	4.0	13
18	Prothrombotic and Proinflammatory Activities of the Î²-Hemolytic Group B Streptococcal Pigment. Journal of Innate Immunity, 2020, 12, 291-303.	3.8	12

#	Article	IF	Citations
19	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.	3.3	11
20	Pathogenic Mechanisms of Streptococcal Necrotizing Soft Tissue Infections. Advances in Experimental Medicine and Biology, 2020, 1294, 127-150.	1.6	10
21	Adenosine Triphosphate Neutralizes Pneumolysin-Induced Neutrophil Activation. Journal of Infectious Diseases, 2020, 222, 1702-1712.	4.0	8
22	16HBE Cell Lipid Mediator Responses to Mono and Co-Infections with Respiratory Pathogens. Metabolites, 2020, 10, 113.	2.9	8
23	Streptococcus pyogenes (â€œGroup A Streptococcusâ€), a Highly Adapted Human Pathogenâ€”Potential Implications of Its Virulence Regulation for Epidemiology and Disease Management. Pathogens, 2021, 10, 776.	2.8	8
24	<i>Streptococcus pneumoniae</i> Impairs Maturation of Human Dendritic Cells and Consequent Activation of CD4⁺ T Cells via Pneumolysin. Journal of Innate Immunity, 2022, 14, 569-580.	3.8	4
25	Shocking superantigens promote establishment of bacterial infection. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10000-10002.	7.1	3
26	Is It Time to Reconsider the Group A Streptococcal Rheumatogenic Concept?. Clinical Infectious Diseases, 2019, 70, 1461-1462.	5.8	3
27	Bronchial Epithelial Cells Accumulate Citrate Intracellularly in Response to Pneumococcal Hydrogen Peroxide. ACS Infectious Diseases, 2021, 7, 2971-2978.	3.8	3
28	Purification, crystallization and preliminary crystallographic analysis of the adhesion domain of Epf fromStreptococcus pyogenes. Acta Crystallographica Section F: Structural Biology Communications, 2012, 68, 793-797.	0.7	2
29	Heterologous Expression of Ralp3 in Streptococcus pyogenes M2 and M6 Strains Affects the Virulence Characteristics. PLoS ONE, 2013, 8, e55109.	2.5	2
30	Bioactive lipid screening during respiratory tract infections with bacterial and viral pathogens in mice. Metabolomics, 2022, 18, .	3.0	2
31	The global proteome and ubiquitinome of bacterial and viral co-infected bronchial epithelial cells. Journal of Proteomics, 2022, 250, 104387.	2.4	1
32	Group B Streptococcal Hemolytic Pigment Impairs Platelet Function in a Two-Step Process. Cells, 2022, 11, 1637.	4.1	1
33	Procoagulant Activity of Blood and Microvesicles Is Disturbed by Pneumococcal Pneumolysin, Which Interacts with Coagulation Factors. Journal of Innate Immunity, 2023, 15, 136-152.	3.8	1