Nikolai Siemens

List of Publications by Year
in descending order

33 papers	591 citations	567281 15 h-index	642732 23 g-index
33 all docs	33 docs citations	33 times ranked	862 citing authors

#	Article	IF	Citations
1	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
2	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
3	The global proteome and ubiquitinome of bacterial and viral co-infected bronchial epithelial cells. Journal of Proteomics, 2022, 250, 104387.	2.4	1
4	<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
5	Group B Streptococcal Hemolytic Pigment Impairs Platelet Function in a Two-Step Process. Cells, 2022, 11, 1637.	4.1	1
6	Bioactive lipid screening during respiratory tract infections with bacterial and viral pathogens in mice. Metabolomics, 2022, 18, .	3.0	2
7	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
8	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
9	Bronchial Epithelial Cells Accumulate Citrate Intracellularly in Response to Pneumococcal Hydrogen Peroxide. ACS Infectious Diseases, 2021, 7, 2971-2978.	3.8	3
10	Prothrombotic and Proinflammatory Activities of the Î²-Hemolytic Group B Streptococcal Pigment. Journal of Innate Immunity, 2020, 12, 291-303.	3.8	12
11	The Role of NLRP3 Inflammasome in Pneumococcal Infections. Frontiers in Immunology, 2020, 11, 614801.	4.8	18
12	Adenosine Triphosphate Neutralizes Pneumolysin-Induced Neutrophil Activation. Journal of Infectious Diseases, 2020, 222, 1702-1712.	4.0	8
13	16HBE Cell Lipid Mediator Responses to Mono and Co-Infections with Respiratory Pathogens. Metabolites, 2020, 10, 113.	2.9	8
14	Pathogenic Mechanisms of Streptococcal Necrotizing Soft Tissue Infections. Advances in Experimental Medicine and Biology, 2020, 1294, 127-150.	1.6	10
15	Is It Time to Reconsider the Group A Streptococcal Rheumatogenic Concept?. Clinical Infectious Diseases, 2019, 70, 1461-1462.	5.8	3
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	The Role of Streptococcal and Staphylococcal Exotoxins and Proteases in Human Necrotizing Soft Tissue Infections. Toxins, 2019, 11, 332.	3.4	25
18	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

#	Article	IF	Citations
19	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
20	Genetic Architecture of Group A Streptococcal Necrotizing Soft Tissue Infections in the Mouse. PLoS Pathogens, 2016, 12, e1005732.	4.7	32
21	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
22	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
23	Phosphoglycerate Kinaseâ€"A Novel Streptococcal Factor Involved in Neutrophil Activation and Degranulation. Journal of Infectious Diseases, 2016, 214, 1876-1883.	4.0	13
24	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
25	Biofilm in group A streptococcal necrotizing soft tissue infections. JCI Insight, 2016, 1, e87882.	5.0	61
26	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
27	Increased cytotoxicity and streptolysin O activity in group G streptococcal strains causing invasive tissue infections. Scientific Reports, 2015, 5, 16945.	3.3	36
28	Heterologous Expression of Ralp3 in Streptococcus pyogenes M2 and M6 Strains Affects the Virulence Characteristics. PLoS ONE, 2013, 8, e55109.	2.5	2
29	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
30	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
31	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
32	Characterization of Three Lactic Acid Bacteria and Their Isogenic <i>ldh</i> Deletion Mutants Shows Optimization for <i>Y</i> _{ATP} (Cell Mass Produced per Mole of ATP) at Their Physiological pHs. Applied and Environmental Microbiology, 2011, 77, 612-617.	3.1	25
33	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