

Nathan K Archer

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

2,307
citations

361413

20
h-index

330143

37
g-index

46
all docs

46
docs citations

46
times ranked

3899
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Staphylococcus aureus</i> biofilms. <i>Virulence</i> , 2011, 2, 445-459.	4.4	734
2	<i>Staphylococcus aureus</i> Epicutaneous Exposure Drives Skin Inflammation via IL-36-Mediated T Cell Responses. <i>Cell Host and Microbe</i> , 2017, 22, 653-666.e5.	11.0	170
3	Neutrophil extracellular trap-associated RNA and LL37 enable self-amplifying inflammation in psoriasis. <i>Nature Communications</i> , 2020, 11, 105.	12.8	146
4	Clonally expanded $\gamma\delta$ T cells protect against <i>Staphylococcus aureus</i> skin reinfection. <i>Journal of Clinical Investigation</i> , 2018, 128, 1026-1042.	8.2	98
5	Vaccine development in <i>Staphylococcus aureus</i> : taking the biofilm phenotype into consideration. <i>FEMS Immunology and Medical Microbiology</i> , 2010, 59, 306-323.	2.7	97
6	Clearance of <i>Staphylococcus aureus</i> Nasal Carriage Is T Cell Dependent and Mediated through Interleukin-17A Expression and Neutrophil Influx. <i>Infection and Immunity</i> , 2013, 81, 2070-2075.	2.2	88
7	Bacteria induce skin regeneration via IL-1 β signaling. <i>Cell Host and Microbe</i> , 2021, 29, 777-791.e6.	11.0	78
8	Clonal $\gamma\delta$ T cells promote IL-17-mediated immunity against <i>Staphylococcus aureus</i> skin infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10917-10926.	7.1	75
9	Mouse model of hematogenous implant-related <i>Staphylococcus aureus</i> biofilm infection reveals therapeutic targets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E5094-E5102.	7.1	70
10	Noncoding dsRNA induces retinoic acid synthesis to stimulate hair follicle regeneration via TLR3. <i>Nature Communications</i> , 2019, 10, 2811.	12.8	64
11	Injury, dysbiosis, and filaggrin deficiency drive skin inflammation through keratinocyte IL-1 α release. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 143, 1426-1443.e6.	2.9	56
12	Prurigo Nodularis Is Characterized by Systemic and Cutaneous T Helper 22 Immune Polarization. <i>Journal of Investigative Dermatology</i> , 2021, 141, 2208-2218.e14.	0.7	54
13	Interleukin-17A (IL-17A) and IL-17F Are Critical for Antimicrobial Peptide Production and Clearance of <i>Staphylococcus aureus</i> Nasal Colonization. <i>Infection and Immunity</i> , 2016, 84, 3575-3583.	2.2	52
14	Neutralizing Alpha-Toxin Accelerates Healing of <i>Staphylococcus aureus</i> -Infected Wounds in Nondiabetic and Diabetic Mice. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	51
15	IL-22 derived from $\gamma\delta$ T cells restricts <i>Staphylococcus aureus</i> infection of mechanically injured skin. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 1098-1107.e3.	2.9	48
16	Epicutaneous <i>Staphylococcus aureus</i> induces IL-36 to enhance IgE production and ensuing allergic disease. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	39
17	Which Way Do We Go? Complex Interactions in Atopic Dermatitis Pathogenesis. <i>Journal of Investigative Dermatology</i> , 2021, 141, 274-284.	0.7	32
18	Syndecan-1 Regulates Psoriasiform Dermatitis by Controlling Homeostasis of IL-17-Producing $\gamma\delta$ T Cells. <i>Journal of Immunology</i> , 2018, 201, 1651-1661.	0.8	30

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19	Platelets Aggregate With Neutrophils and Promote Skin Pathology in Psoriasis. <i>Frontiers in Immunology</i> , 2019, 10, 1867.	4.8	29
20	Tick extracellular vesicles enable arthropod feeding and promote distinct outcomes of bacterial infection. <i>Nature Communications</i> , 2021, 12, 3696.	12.8	27
21	Development of a <i>Staphylococcus aureus</i> reporter strain with click beetle red luciferase for enhanced in vivo imaging of experimental bacteremia and mixed infections. <i>Scientific Reports</i> , 2019, 9, 16663.	3.3	25
22	Cluster Analysis of Circulating Plasma Biomarkers in Prurigo Nodularis Reveals a Distinct Systemic Inflammatory Signature in African Americans. <i>Journal of Investigative Dermatology</i> , 2022, 142, 1300-1308.e3.	0.7	21
23	In Vivo Bioluminescence Imaging in a Rabbit Model of Orthopaedic Implant-Associated Infection to Monitor Efficacy of an Antibiotic-Releasing Coating. <i>Journal of Bone and Joint Surgery - Series A</i> , 2019, 101, e12.	3.0	20
24	Pan-caspase inhibition as a potential host-directed immunotherapy against MRSA and other bacterial skin infections. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	19
25	Pathogenic and therapeutic role for NRF2 signaling in ultraviolet light-induced skin pigmentation. <i>JCI Insight</i> , 2020, 5, .	5.0	19
26	IL-6R/Signal Transducer and Activator of Transcription 3 Signaling in Keratinocytes rather than in T Cells Induces Psoriasis-Like Dermatitis in Mice. <i>Journal of Investigative Dermatology</i> , 2022, 142, 1126-1135.e4.	0.7	19
27	Comparative intravital imaging of human and rodent malaria sporozoites reveals the skin is not a species-specific barrier. <i>EMBO Molecular Medicine</i> , 2021, 13, e11796.	6.9	18
28	Cutaneous Transcriptomics Identifies Fibroproliferative and Neurovascular Gene Dysregulation in Prurigo Nodularis Compared with Psoriasis and Atopic Dermatitis. <i>Journal of Investigative Dermatology</i> , 2022, 142, 2537-2540.	0.7	18
29	Research Techniques Made Simple: Mouse Bacterial Skin Infection Models for Immunity Research. <i>Journal of Investigative Dermatology</i> , 2020, 140, 1488-1497.e1.	0.7	17
30	Collaborative Interferon- γ and Interleukin-17 Signaling Protects the Oral Mucosa from <i>Staphylococcus aureus</i> . <i>American Journal of Pathology</i> , 2016, 186, 2337-2352.	3.8	16
31	Dynamic PET-facilitated modeling and high-dose rifampin regimens for <i>Staphylococcus aureus</i> orthopedic implant-associated infections. <i>Science Translational Medicine</i> , 2021, 13, eabl6851.	12.4	16
32	Interleukin-1 β and tumor necrosis factor are essential in controlling an experimental orthopedic implant-associated infection. <i>Journal of Orthopaedic Research</i> , 2020, 38, 1800-1809.	2.3	12
33	Dendritic cell immunoreceptor drives atopic dermatitis by modulating oxidized CaMKII-involved mast cell activation. <i>JCI Insight</i> , 2022, , .	5.0	11
34	Pushing the Envelope in Psoriasis: Late Cornified Envelope Proteins Possess Antimicrobial Activity. <i>Journal of Investigative Dermatology</i> , 2017, 137, 2257-2259.	0.7	8
35	Neutrophil extracellular traps impair regeneration. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 10008-10019.	3.6	8
36	Preclinical Models and Methodologies for Monitoring <i>Staphylococcus aureus</i> Infections Using Noninvasive Optical Imaging. <i>Methods in Molecular Biology</i> , 2020, 2069, 197-228.	0.9	6

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37	CCR2 contributes to host defense against <i>Staphylococcus aureus</i> orthopedic implant-associated infections in mice. <i>Journal of Orthopaedic Research</i> , 2022, 40, 409-419.	2.3	5
38	Optical Imaging. , 2017, , 43-76.		0