Lloyd Miller

List of Publications by Year
in descending order

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114 papers	8,331 citations	53939 47 h-index	56606 87 g-index

132 all docs	132 docs citations	132 times ranked	13166 citing authors

#	Article	IF	Citations
1	CCR2 contributes to host defense against Staphylococcus aureus orthopedic implantâ€associated infections in mice. Journal of Orthopaedic Research, 2022, 40, 409-419.	1.2	5
2	IL-6R/Signal Transducer and Activator of Transcription 3 Signaling in Keratinocytes rather than in T Cells Induces Psoriasis-Like Dermatitis in Mice. Journal of Investigative Dermatology, 2022, 142, 1126-1135.e4.	0.3	19
3	11C-Para-aminobenzoic acid PET imaging of S. aureus and MRSA infection in preclinical models and humans. JCI Insight, 2022, 7, .	2.3	11
4	Which Way Do We Go? Complex Interactions in Atopic Dermatitis Pathogenesis. Journal of Investigative Dermatology, 2021, 141, 274-284.	0.3	32
5	Comparison of two fluorescent probes in preclinical non-invasive imaging and image-guided debridement surgery of Staphylococcal biofilm implant infections. Scientific Reports, 2021, 11, 1622.	1.6	9
6	Transmission of Antimicrobial-Resistant Staphylococcus aureus Clonal Complex 9 between Pigs and Humans, United States. Emerging Infectious Diseases, 2021, 27, 740-748.	2.0	11
7	Comparative intravital imaging of human and rodent malaria sporozoites reveals the skin is not a speciesâ€specific barrier. EMBO Molecular Medicine, 2021, 13, e11796.	3.3	18
8	Epicutaneous Staphylococcus aureus induces IL-36 to enhance IgE production and ensuing allergic disease. Journal of Clinical Investigation, 2021, 131, .	3.9	39
9	Bacteria induce skin regeneration via IL-1Î² signaling. Cell Host and Microbe, 2021, 29, 777-791.e6.	5.1	78
10	Tick extracellular vesicles enable arthropod feeding and promote distinct outcomes of bacterial infection. Nature Communications, 2021, 12, 3696.	5.8	27
11	Pan-caspase inhibition as a potential host-directed immunotherapy against MRSA and other bacterial skin infections. Science Translational Medicine, 2021, 13, .	5.8	19
12	Predilection for developing a hematogenous orthopaedic implant-associated infection in older versus younger mice. Journal of Orthopaedic Surgery and Research, 2021, 16, 556.	0.9	2
13	Neutrophil extracellular traps impair regeneration. Journal of Cellular and Molecular Medicine, 2021, 25, 10008-10019.	1.6	8
14	Basophil-derived IL-4 promotes cutaneous Staphylococcus aureus infection. JCI Insight, 2021, 6, .	2.3	15
15	Dynamic PET-facilitated modeling and high-dose rifampin regimens for Staphylococcus aureus orthopedic implantâ€“associated infections. Science Translational Medicine, 2021, 13, eabl6851.	5.8	16
16	Lessons learned from the development of a hidradenitis suppurativa xenograft mouse model. Clinical and Experimental Dermatology, 2020, 45, 202-206.	0.6	6
17	Neutrophil extracellular trap-associated RNA and LL37 enable self-amplifying inflammation in psoriasis. Nature Communications, 2020, 11, 105.	5.8	146
18	Development of a vaccine against Staphylococcus aureus invasive infections: Evidence based on human immunity, genetics and bacterial evasion mechanisms. FEMS Microbiology Reviews, 2020, 44, 123-153.	3.9	138

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19	Rabbit model of Staphylococcus aureus implant-associated spinal infection. DMM Disease Models and Mechanisms, 2020, 13, .	1.2	10
20	Research Techniques Made Simple: Mouse Bacterial Skin Infection Models for Immunity Research. Journal of Investigative Dermatology, 2020, 140, 1488-1497.e1.	0.3	17
21	Interleukinâ€1Î² and tumor necrosis factor are essential in controlling an experimental orthopedic implantâ€associated infection. Journal of Orthopaedic Research, 2020, 38, 1800-1809.	1.2	12
22	Preclinical Models and Methodologies for Monitoring Staphylococcus aureus Infections Using Noninvasive Optical Imaging. Methods in Molecular Biology, 2020, 2069, 197-228.	0.4	6
23	Pathogenic and therapeutic role for NRF2 signaling in ultraviolet lightâ€“induced skin pigmentation. JCI Insight, 2020, 5, .	2.3	19
24	Preclinical Optical Imaging to Study Pathogenesis, Novel Therapeutics and Diagnostics Against Orthopaedic Infection. Journal of Orthopaedic Research, 2019, 37, 2269-2277.	1.2	12
25	Noncoding dsRNA induces retinoic acid synthesis to stimulate hair follicle regeneration via TLR3. Nature Communications, 2019, 10, 2811.	5.8	64
26	Association of particulate matter air pollution and itch: A digital epidemiology approach. Journal of the American Academy of Dermatology, 2019, 81, 1409-1410.	0.6	5
27	Platelets Aggregate With Neutrophils and Promote Skin Pathology in Psoriasis. Frontiers in Immunology, 2019, 10, 1867.	2.2	29
28	Neutrophil extracellular traps, B cells, and type I interferons contribute to immune dysregulation in hidradenitis suppurativa. Science Translational Medicine, 2019, 11, .	5.8	111
29	Disseminated sporotrichosis following iatrogenic immunosuppression for suspected pyoderma gangrenosum. Lancet Infectious Diseases, The, 2019, 19, e385-e391.	4.6	32
30	Specimen Collection for Translational Studies in Hidradenitis Suppurativa. Scientific Reports, 2019, 9, 12207.	1.6	10
31	Efficacy of a Multimechanistic Monoclonal Antibody Combination against Staphylococcus aureus Surgical Site Infections in Mice. Antimicrobial Agents and Chemotherapy, 2019, 63, .	1.4	11
32	Theranostic biocomposite scaffold membrane. Biomaterials, 2019, 212, 17-27.	5.7	18
33	Clonal VÎ³6 ⁺ VÎ´4 ⁺ T cells promote IL-17â€“mediated immunity against Staphylococcus aureus skin infection. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10917-10926.	3.3	75
34	Comparison of livestock-associated and community-associated Staphylococcus aureus pathogenicity in a mouse model of skin and soft tissue infection. Scientific Reports, 2019, 9, 6774.	1.6	11
35	CCR6+ Î³Î´ T Cells Home to Skin Wounds and Restore Normal Wound Healing in CCR6-Deficient Mice. Journal of Investigative Dermatology, 2019, 139, 2061-2064.e2.	0.3	8
36	Association between prurigo nodularis and malignancy in middle-aged adults. Journal of the American Academy of Dermatology, 2019, 81, 1198-1201.	0.6	38

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37	A Mouse Model to Assess Innate Immune Response to Staphylococcus aureus Infection. Journal of Visualized Experiments, 2019, , .	0.2	9
38	In Vivo Bioluminescence Imaging in a Rabbit Model of Orthopaedic Implant-Associated Infection to Monitor Efficacy of an Antibiotic-Releasing Coating. Journal of Bone and Joint Surgery - Series A, 2019, 101, e12.	1.4	20
39	Development of a Staphylococcus aureus reporter strain with click beetle red luciferase for enhanced in vivo imaging of experimental bacteremiaÂand mixed infections. Scientific Reports, 2019, 9, 16663.	1.6	25
40	Injury, dysbiosis, and filaggrin deficiency drive skin inflammation through keratinocyte IL-1Î± release. Journal of Allergy and Clinical Immunology, 2019, 143, 1426-1443.e6.	1.5	56
41	Multimodal imaging guides surgical management in a preclinical spinal implant infection model. JCI Insight, 2019, 4, .	2.3	19
42	Psoriasiform drug eruption secondary to sorafenib: case series and review of the literature. Cutis, 2019, 104, E11-E15.	0.4	2
43	Neutrophils in hot pursuit of MRSA in the lymph nodes. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2272-2274.	3.3	5
44	Collagen deposition in chronic hidradenitis suppurativa: potential role for CD163⁺ macrophages. British Journal of Dermatology, 2018, 179, 792-794.	1.4	14
45	Neutralizing Alpha-Toxin Accelerates Healing of Staphylococcus aureus-Infected Wounds in Nondiabetic and Diabetic Mice. Antimicrobial Agents and Chemotherapy, 2018, 62, .	1.4	51
46	Molecularly specific detection of bacterial lipoteichoic acid for diagnosis of prosthetic joint infection of the bone. Bone Research, 2018, 6, 13.	5.4	29
47	Immune and Inflammatory Reponses to Staphylococcus aureus Skin Infections. Current Dermatology Reports, 2018, 7, 338-349.	1.1	32
48	Protective immunity in recurrent Staphylococcus aureus infection reflects localized immune signatures and macrophage-conferred memory. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11111-E11119.	3.3	63
49	The fungal ligand chitin directly binds <scp>TLR</scp> 2 and triggers inflammation dependent on oligomer size. EMBO Reports, 2018, 19, .	2.0	75
50	Syndecan-1 Regulates Psoriasiform Dermatitis by Controlling Homeostasis of IL-17â€“Producing Î³Î´ T Cells. Journal of Immunology, 2018, 201, 1651-1661.	0.4	30
51	Macrophage-derived LTB4 promotes abscess formation and clearance of Staphylococcus aureus skin infection in mice. PLoS Pathogens, 2018, 14, e1007244.	2.1	28
52	Noninvasive optical and nuclear imaging of Staphylococcus-specific infection with a human monoclonal antibody-based probe. Virulence, 2018, 9, 262-272.	1.8	27
53	Mouse model of Gram-negative prosthetic joint infection reveals therapeutic targets. JCI Insight, 2018, 3, .	2.3	25
54	Clonally expanded Î³Î´ T cells protect against Staphylococcus aureus skin reinfection. Journal of Clinical Investigation, 2018, 128, 1026-1042.	3.9	98

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55	Novel in vivo mouse model of implant related spine infection. Journal of Orthopaedic Research, 2017, 35, 193-199.	1.2	30
56	<scp>NMR</scp> structureâ€based optimization of Staphylococcus aureus sortase A pyridazinone inhibitors. Chemical Biology and Drug Design, 2017, 90, 327-344.	1.5	20
57	Human NACHT, LRR, and PYD domainâ€“containing protein 3 (NLRP3) inflammasome activity is regulated by and potentially targetable through Bruton tyrosine kinase. Journal of Allergy and Clinical Immunology, 2017, 140, 1054-1067.e10.	1.5	105
58	Preclinical Evaluation of Photoacoustic Imaging as a Novel Noninvasive Approach to Detect an Orthopaedic Implant Infection. Journal of the American Academy of Orthopaedic Surgeons, The, 2017, 25, S7-S12.	1.1	19
59	Oral-Only Linezolid-Rifampin Is Highly Effective Compared with Other Antibiotics for Periprosthetic Joint Infection. Journal of Bone and Joint Surgery - Series A, 2017, 99, 656-665.	1.4	41
60	Optical Imaging. , 2017, , 43-76.		0
61	Mouse model of hematogenous implant-related Staphylococcus aureus biofilm infection reveals therapeutic targets. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5094-E5102.	3.3	70
62	Î±-Toxin Regulates Local Granulocyte Expansion from Hematopoietic Stem and Progenitor Cells in Staphylococcus aureusâ€“Infected Wounds. Journal of Immunology, 2017, 199, 1772-1782.	0.4	9
63	Pushing the Envelope in Psoriasis: Late Cornified Envelope Proteins Possess Antimicrobial Activity. Journal of Investigative Dermatology, 2017, 137, 2257-2259.	0.3	8
64	Staphylococcus aureus Epicutaneous Exposure Drives Skin Inflammation via IL-36-Mediated T Cell Responses. Cell Host and Microbe, 2017, 22, 653-666.e5.	5.1	170
65	Innate Immune Memory Contributes to Host Defense against Recurrent Skin and Skin Structure Infections Caused by Methicillin-Resistant Staphylococcus aureus. Infection and Immunity, 2017, 85, .	1.0	38
66	Collaborative Interferon-Î³ and Interleukin-17 Signaling Protects the Oral Mucosa from Staphylococcus aureus. American Journal of Pathology, 2016, 186, 2337-2352.	1.9	16
67	IL-22 derived from Î³Î´ T cells restricts Staphylococcus aureus infection of mechanically injured skin. Journal of Allergy and Clinical Immunology, 2016, 138, 1098-1107.e3.	1.5	48
68	In Vivo Efficacy of a â€œSmartâ€•Antimicrobial Implant Coating. Journal of Bone and Joint Surgery - Series A, 2016, 98, 1183-1189.	1.4	42
69	Interleukin-17A (IL-17A) and IL-17F Are Critical for Antimicrobial Peptide Production and Clearance of Staphylococcus aureus Nasal Colonization. Infection and Immunity, 2016, 84, 3575-3583.	1.0	52
70	Polymeric nanofiber coating with tunable combinatorial antibiotic delivery prevents biofilm-associated infection in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E6919-E6928.	3.3	85
71	S. aureus blocks efferocytosis of neutrophils by macrophages through the activity of its virulence factor alpha toxin. Scientific Reports, 2016, 6, 35466.	1.6	33
72	Fibroblast growth factor 2 dimer with superagonist inÂvitro activity improves granulation tissue formation during wound healing. Biomaterials, 2016, 81, 157-168.	5.7	59

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73	dsRNA Released by Tissue Damage Activates TLR3 to Drive Skin Regeneration. Cell Stem Cell, 2015, 17, 139-151.	5.2	147
74	Adipocytes Armed against Staphylococcus aureus. New England Journal of Medicine, 2015, 372, 1368-1370.	13.9	6
75	Nonredundant Roles of Interleukin-17A (IL-17A) and IL-22 in Murine Host Defense against Cutaneous and Hematogenous Infection Due to Methicillin-Resistant Staphylococcus aureus. Infection and Immunity, 2015, 83, 4427-4437.	1.0	58
76	Combination Prophylactic Therapy with Rifampin Increases Efficacy against an Experimental Staphylococcus epidermidis Subcutaneous Implant-Related Infection. Antimicrobial Agents and Chemotherapy, 2014, 58, 2377-2386.	1.4	20
77	Combined In vivo Optical and µCT Imaging to Monitor Infection, Inflammation, and Bone Anatomy in an Orthopaedic Implant Infection in Mice. Journal of Visualized Experiments, 2014, , e51612.	0.2	13
78	Broadâ€Spectrum Antimicrobial and Biofilmâ€Disrupting Hydrogels: Stereocomplexâ€Driven Supramolecular Assemblies. Angewandte Chemie - International Edition, 2013, 52, 674-678.	7.2	128
79	Vancomycin-Rifampin Combination Therapy Has Enhanced Efficacy against an Experimental Staphylococcus aureus Prosthetic Joint Infection. Antimicrobial Agents and Chemotherapy, 2013, 57, 5080-5086.	1.4	78
80	In Vivo Bioluminescence Imaging To Evaluate Systemic and Topical Antibiotics against Community-Acquired Methicillin-Resistant Staphylococcus aureus-Infected Skin Wounds in Mice. Antimicrobial Agents and Chemotherapy, 2013, 57, 855-863.	1.4	73
81	Staphylococcus aureus recognition by hematopoietic stem and progenitor cells via TLR2/MyD88/PGE2 stimulates granulopoiesis in wounds. Blood, 2013, 122, 1770-1778.	0.6	53
82	Neutrophil-derived IL-1Î² Is Sufficient for Abscess Formation in Immunity against Staphylococcus aureus in Mice. PLoS Pathogens, 2012, 8, e1003047.	2.1	194
83	Cutting Edge: Nitrogen Bisphosphonate-Induced Inflammation Is Dependent upon Mast Cells and IL-1. Journal of Immunology, 2012, 188, 2977-2980.	0.4	24
84	Daptomycin and Tigecycline Have Broader Effective Dose Ranges than Vancomycin as Prophylaxis against a Staphylococcus aureus Surgical Implant Infection in Mice. Antimicrobial Agents and Chemotherapy, 2012, 56, 2590-2597.	1.4	41
85	The antimicrobial and osteoinductive properties of silver nanoparticle/poly (dl-lactic-co-glycolic) Tj ETQq1 1 0.784314 rgBT /Overlock	5.7	129
86	Leukotriene B4-Driven Neutrophil Recruitment to the Skin Is Essential for Allergic Skin Inflammation. Immunity, 2012, 37, 747-758.	6.6	169
87	Hostâ€“pathogen interactions between the skin and Staphylococcus aureus. Current Opinion in Microbiology, 2012, 15, 28-35.	2.3	122
88	Innate and adaptive immune responses against Staphylococcus aureus skin infections. Seminars in Immunopathology, 2012, 34, 261-280.	2.8	124
89	Mouse model of chronic postâ€arthroplasty infection: Noninvasive in vivo bioluminescence imaging to monitor bacterial burden for longâ€term study. Journal of Orthopaedic Research, 2012, 30, 335-340.	1.2	125
90	Coordinate regulation of neutrophil homeostasis by liver X receptors in mice. Journal of Clinical Investigation, 2012, 122, 337-347.	3.9	120

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91	Monitoring Bacterial Burden, Inflammation and Bone Damage Longitudinally Using Optical and Î¼CT Imaging in an Orthopaedic Implant Infection in Mice. PLoS ONE, 2012, 7, e47397.	1.1	71
92	Neutrophil survival and c-kit+-progenitor proliferation in Staphylococcus aureusâ€“infected skin wounds promote resolution. Blood, 2011, 117, 3343-3352.	0.6	103
93	Immunity against Staphylococcus aureus cutaneous infections. Nature Reviews Immunology, 2011, 11, 505-518.	10.6	339
94	Protective role of ILâ€1Î² against postâ€arthroplasty Staphylococcus aureus infection. Journal of Orthopaedic Research, 2011, 29, 1621-1626.	1.2	65
95	A MyD88-dependent IFNÎ³R-CCR2 signaling circuit is required for mobilization of monocytes and host defense against systemic bacterial challenge. Cell Research, 2011, 21, 1068-1079.	5.7	20
96	Noninvasive In Vivo Imaging to Evaluate Immune Responses and Antimicrobial Therapy against Staphylococcus aureus and USA300 MRSA Skin Infections. Journal of Investigative Dermatology, 2011, 131, 907-915.	0.3	63
97	A Mouse Model of Post-Arthroplasty Staphylococcus aureus Joint Infection to Evaluate In Vivo the Efficacy of Antimicrobial Implant Coatings. PLoS ONE, 2010, 5, e12580.	1.1	181
98	IL-17 is essential for host defense against cutaneous Staphylococcus aureus infection in mice. Journal of Clinical Investigation, 2010, 120, 1762-1773.	3.9	554
99	IL-23 and IL-17A, but Not IL-12 and IL-22, Are Required for Optimal Skin Host Defense against Candida albicans. Journal of Immunology, 2010, 185, 5453-5462.	0.4	193
100	Lucky Number Seven: RNase 7 Can Prevent Staphylococcus aureus Skin Colonization. Journal of Investigative Dermatology, 2010, 130, 2703-2706.	0.3	12
101	The Role of the Transcription Factor CREB in Immune Function. Journal of Immunology, 2010, 185, 6413-6419.	0.4	638
102	Downstream Signals for MyD88-Mediated Phagocytosis of Borrelia burgdorferi Can Be Initiated by TRIF and Are Dependent on PI3K. Journal of Immunology, 2009, 183, 491-498.	0.4	40
103	A Critical Role for Hemolysins and Bacterial Lipoproteins in Staphylococcus aureus-Induced Activation of the Nlrp3 Inflammasome. Journal of Immunology, 2009, 183, 3942-3948.	0.4	301
104	Toll-Like Receptors in Skin. Advances in Dermatology, 2008, 24, 71-87.	2.0	207
105	Dynamics of Neutrophil Infiltration during Cutaneous Wound Healing and Infection Using Fluorescence Imaging. Journal of Investigative Dermatology, 2008, 128, 1812-1820.	0.3	211
106	Immunological Mechanisms Underlying the Genetic Predisposition to Severe Staphylococcus aureus Infection in the Mouse Model. American Journal of Pathology, 2008, 173, 1657-1668.	1.9	115
107	Inflammasome-Mediated Production of IL-1Î² Is Required for Neutrophil Recruitment against Staphylococcus aureus In Vivo. Journal of Immunology, 2007, 179, 6933-6942.	0.4	294
108	Human Keratinocyte Toll-like Receptors Promote Distinct Immune Responses. Journal of Investigative Dermatology, 2007, 127, 262-263.	0.3	81

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109	Toll-like receptors in the skin. Seminars in Immunopathology, 2007, 29, 15-26.	2.8	131
110	MyD88 Mediates Neutrophil Recruitment Initiated by IL-1R but Not TLR2 Activation in Immunity against Staphylococcus aureus. Immunity, 2006, 24, 79-91.	6.6	331
111	TGF-Î± Regulates TLR Expression and Function on Epidermal Keratinocytes. Journal of Immunology, 2005, 174, 6137-6143.	0.4	146
112	Induction of Secreted Human Immunodeficiency Virus Type 1 (HIV-1) Resistance Factors in CD4-Positive T Lymphocytes by Attenuated HIV-1 Infection. Virology, 2002, 294, 1-12.	1.1	19
113	Increased Expression of CD23 (FcÎµ Receptor II) by Peripheral Blood Monocytes of AIDS Patients. AIDS Research and Human Retroviruses, 2001, 17, 443-452.	0.5	8
114	Suppression of Cytokine-Induced Neutrophil Accumulation in Rat Mesenteric Venules in vivo by General Anesthesia. International Journal of Microcirculation, Clinical and Experimental, 1996, 16, 147-154.	0.6	27