

Karen Bentley

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,862
citations

430874

18
h-index

580821

25
g-index

27
all docs

27
docs citations

27
times ranked

2794
citing authors

#	ARTICLE	IF	CITATIONS
1	Skeletal infections: microbial pathogenesis, immunity and clinical management. <i>Nature Reviews Microbiology</i> , 2022, 20, 385-400.	28.6	165
2	Emerging electron microscopy and 3D methodologies to interrogate <i>Staphylococcus aureus</i> osteomyelitis in murine models. <i>Journal of Orthopaedic Research</i> , 2021, 39, 376-388.	2.3	5
3	Humanized Mice Exhibit Exacerbated Abscess Formation and Osteolysis During the Establishment of Implant-Associated <i>Staphylococcus aureus</i> Osteomyelitis. <i>Frontiers in Immunology</i> , 2021, 12, 651515.	4.8	14
4	Development of Bisphosphonate-Conjugated Antibiotics to Overcome Pharmacodynamic Limitations of Local Therapy: Initial Results with Carbamate Linked Sitafloxacin and Tedizolid. <i>Antibiotics</i> , 2021, 10, 732.	3.7	10
5	<i>Staphylococcus aureus</i> Cell Wall Biosynthesis Modulates Bone Invasion and Osteomyelitis Pathogenesis. <i>Frontiers in Microbiology</i> , 2021, 12, 723498.	3.5	19
6	Distinct vasculotropic versus osteotropic features of <i>S. agalactiae</i> versus <i>S. aureus</i> implant-associated bone infection in mice. <i>Journal of Orthopaedic Research</i> , 2021, 39, 389-401.	2.3	12
7	Biofilm Producing <i>Staphylococcus epidermidis</i> (RP62A Strain) Inhibits Osseous Integration Without Osteolysis and Histopathology in a Murine Septic Implant Model. <i>Journal of Orthopaedic Research</i> , 2020, 38, 852-860.	2.3	17
8	IsdB antibody-mediated sepsis following <i>S. aureus</i> surgical site infection. <i>JCI Insight</i> , 2020, 5, .	5.0	23
9	Identification of Penicillin Binding Protein 4 (PBP4) as a critical factor for <i>Staphylococcus aureus</i> bone invasion during osteomyelitis in mice. <i>PLoS Pathogens</i> , 2020, 16, e1008988.	4.7	32
10	Patients with advanced chronic kidney disease and vascular calcification have a large hydrodynamic radius of secondary calciprotein particles. <i>Nephrology Dialysis Transplantation</i> , 2019, 34, 992-1000.	0.7	37
11	Evolving concepts in bone infection: redefining 'biofilm', 'acute vs. chronic osteomyelitis', 'the immune proteome' and 'local antibiotic therapy'. <i>Bone Research</i> , 2019, 7, 20.	11.4	300
12	An in vitro platform for elucidating the molecular genetics of <i>S. aureus</i> invasion of the osteocyte lacuno-canalicular network during chronic osteomyelitis. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 21, 102039.	3.3	28
13	Intrasinusoidal Spread of Hepatic Epithelioid Hemangioendothelioma. <i>American Journal of Surgical Pathology</i> , 2019, 43, 573-579.	3.7	5
14	Chronic Osteomyelitis with <i>Staphylococcus aureus</i> Deformation in Submicron Canaliculi of Osteocytes. <i>JBJS Case Connector</i> , 2018, 8, e8-e8.	0.3	76
15	Erythropoietin accelerates functional recovery after moderate sciatic nerve crush injury. <i>Muscle and Nerve</i> , 2017, 56, 143-151.	2.2	21
16	The complex genetics of hypoplastic left heart syndrome. <i>Nature Genetics</i> , 2017, 49, 1152-1159.	21.4	177
17	Loss of LMOD1 impairs smooth muscle cytocontractility and causes megacystis microcolon intestinal hypoperistalsis syndrome in humans and mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E2739-E2747.	7.1	97
18	Evidence of <i>Staphylococcus Aureus</i> Deformation, Proliferation, and Migration in Canaliculi of Live Cortical Bone in Murine Models of Osteomyelitis. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 985-990.	2.8	193

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19	Surface topography of silicon nitride affects antimicrobial and osseointegrative properties of tibial implants in a murine model. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 3413-3421.	4.0	56
20	Short to Midterm Follow-Up of the Tritanium Primary Acetabular Component: A Cause for Concern. <i>Journal of Arthroplasty</i> , 2017, 32, 463-469.	3.1	44
21	Cyclophilin D Knock-Out Mice Show Enhanced Resistance to Osteoporosis and to Metabolic Changes Observed in Aging Bone. <i>PLoS ONE</i> , 2016, 11, e0155709.	2.5	63
22	Energy Metabolism in Mesenchymal Stem Cells During Osteogenic Differentiation. <i>Stem Cells and Development</i> , 2016, 25, 114-122.	2.1	169
23	Quantifying the natural history of biofilm formation in vivo during the establishment of chronic implant-associated <i>Staphylococcus aureus</i> osteomyelitis in mice to identify critical pathogen and host factors. <i>Journal of Orthopaedic Research</i> , 2015, 33, 1311-1319.	2.3	147
24	Myocardin-related transcription factors control the motility of epicardium-derived cells and the maturation of coronary vessels. <i>Development (Cambridge)</i> , 2015, 142, 21-30.	2.5	77
25	Passive immunization with anti-glucosaminidase monoclonal antibodies protects mice from implant-associated osteomyelitis by mediating opsonophagocytosis of <i>Staphylococcus aureus</i> megaclusters. <i>Journal of Orthopaedic Research</i> , 2014, 32, 1389-1396.	2.3	68
26	Efficacy of Bisphosphonate-Conjugated Sitafloxacin in a Murine Model of <i>S. aureus</i> Osteomyelitis: Evidence of "Target & Release" Kinetics and Killing of Bacteria Within Canaliculi. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	3.9	7