Keith Thompson

List of Publications by Year
in descending order

31 papers	2,208 citations	567144 15 h-index	501076 28 g-index
31 all docs	31 docs citations	31 times ranked	2669 citing authors

#	Article	IF	Citations
1	Structure-activity relationships for inhibition of farnesyl diphosphate synthase in vitro and inhibition of bone resorption in vivo by nitrogen-containing bisphosphonates. Journal of Pharmacology and Experimental Therapeutics, 2001, 296, 235-42.	1.3	637
2	Recent advances in understanding the mechanism of action of bisphosphonates. Current Opinion in Pharmacology, 2006, 6, 307-312.	1.7	219
3	Cytosolic Entry of Bisphosphonate Drugs Requires Acidification of Vesicles after Fluid-Phase Endocytosis. Molecular Pharmacology, 2006, 69, 1624-1632.	1.0	211
4	Visualizing mineral binding and uptake of bisphosphonate by osteoclasts and non-resorbing cells. Bone, 2008, 42, 848-860.	1.4	211
5	Statins Prevent Bisphosphonate-Induced Î³,Î´-T-Cell Proliferation and Activation In Vitro. Journal of Bone and Mineral Research, 2003, 19, 278-288.	3.1	194
6	Pathogenic Mechanisms and Host Interactions in Staphylococcus epidermidis Device-Related Infection. Frontiers in Microbiology, 2017, 8, 1401.	1.5	149
7	Functional Biomaterials for Bone Regeneration: A Lesson in Complex Biology. Advanced Functional Materials, 2020, 30, 1909874.	7.8	122
8	Alkylamines cause VÎ³9VÎ´2 T-cell activation and proliferation by inhibiting the mevalonate pathway. Blood, 2006, 107, 651-654.	0.6	82
9	Activation of Î³Î´ T Cells by Bisphosphonates. Advances in Experimental Medicine and Biology, 2009, 658, 11-20.	0.8	70
10	Current Concepts of Osteomyelitis. American Journal of Pathology, 2020, 190, 1151-1163.	1.9	61
11	Fluvastatin does not prevent the acute-phase response to intravenous zoledronic acid in post-menopausal women. Bone, 2011, 49, 140-145.	1.4	29
12	The Effect of Krill Oil Supplementation on Exercise Performance and Markers of Immune Function. PLoS ONE, 2015, 10, e0139174.	1.1	23
13	Intraoperative loading of calcium phosphate-coated implants with gentamicin prevents experimental Staphylococcus aureus infection in vivo. PLoS ONE, 2019, 14, e0210402.	1.1	21
14	Development of bone seekerâ€“functionalised microspheres as a targeted local antibiotic delivery system for bone infections. Journal of Orthopaedic Translation, 2020, 21, 136-145.	1.9	19
15	Gut microbial-derived short-chain fatty acids and bone: a potential role in fracture healing. , 2021, 41, 454-470.		19
16	An Exopolysaccharide Produced by Bifidobacterium longum 35624Â® Inhibits Osteoclast Formation via a TLR2-Dependent Mechanism. Calcified Tissue International, 2021, 108, 654-666.	1.5	17
17	Butyrate Inhibits Osteoclast Activity In Vitro and Regulates Systemic Inflammation and Bone Healing in a Murine Osteotomy Model Compared to Antibiotic-Treated Mice. Mediators of Inflammation, 2021, 2021, 1-17.	1.4	17
18	Calcium Polyphosphate Nanoparticles Act as an Effective Inorganic Phosphate Source during Osteogenic Differentiation of Human Mesenchymal Stem Cells. International Journal of Molecular Sciences, 2019, 20, 5801.	1.8	16

#	Article	IF	Citations
19	Three-Dimensional In Vitro Staphylococcus aureus Abscess Communities Display Antibiotic Tolerance and Protection from Neutrophil Clearance. Infection and Immunity, 2020, 88, .	1.0	16
20	Clinically relevant preclinical animal models for testing novel cranioâ€maxillofacial bone 3Dâ€printed biomaterials. Clinical and Translational Medicine, 2022, 12, e690.	1.7	15
21	Non-viral Gene Delivery of Interleukin-1 Receptor Antagonist Using Collagen-Hydroxyapatite Scaffold Protects Rat BM-MSCs From IL-1Î²-Mediated Inhibition of Osteogenesis. Frontiers in Bioengineering and Biotechnology, 2020, 8, 582012.	2.0	10
22	Longitudinal time-lapse in vivo micro-CT reveals differential patterns of peri-implant bone changes after subclinical bacterial infection in a rat model. Scientific Reports, 2020, 10, 20901.	1.6	8
23	Impact of low bone mass and antiresorptive therapy on antibiotic efficacy in a rat model of orthopedic deviceâ€related infection. Journal of Orthopaedic Research, 2021, 39, 415-425.	1.2	8
24	The non-steroidal anti-inflammatory drug carprofen negatively impacts new bone formation and antibiotic efficacy in a rat model of orthopaedic-device-related infection. , 2021, 41, 739-755.		8
25	Fracture biomechanics influence local and systemic immune responses in a murine fracture-related infection model. Biology Open, 2021, 10, .	0.6	6
26	Incorporation of hydroxyapatite into collagen scaffolds enhances the therapeutic efficacy of rhBMP-2 in a weight-bearing femoral defect model. Materials Today Communications, 2021, 29, 102933.	0.9	6
27	Fracture Healing and Progress Towards Successful Repair. , 2020, , 225-243.		5
28	Development and characterization of a predictive microCT-based non-union model in Fischer F344 rats. Archives of Orthopaedic and Trauma Surgery, 2022, 142, 579-590.	1.3	3
29	Interleukin-1 receptor antagonist enhances the therapeutic efficacy of a low dose of rhBMP-2 in a weight-bearing rat femoral defect model. Acta Biomaterialia, 2022, 149, 189-197.	4.1	3
30	Humoral Factors From Musculoskeletal Polytrauma Patients Impair Antibacterial Responses Of Neutrophils In vitro. Journal of Bone and Joint Infection, 2019, 4, 280-284.	0.6	2
31	Titanium Wear Particles Exacerbate S. epidermidis-Induced Implant-Related Osteolysis and Decrease Efficacy of Antibiotic Therapy. Microorganisms, 2021, 9, 1945.	1.6	1