

# Keith Thompson

## List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	Clinically relevant preclinical animal models for testing novel craniofacial bone 3D-printed biomaterials. Clinical and Translational Medicine, 2022, 12, e690.	1.7	15
3	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
4	Impact of low bone mass and antiresorptive therapy on antibiotic efficacy in a rat model of orthopedic device-related infection. Journal of Orthopaedic Research, 2021, 39, 415-425.	1.2	8
5	An Exopolysaccharide Produced by Bifidobacterium longum 35624 <sup>®</sup> Inhibits Osteoclast Formation via a TLR2-Dependent Mechanism. Calcified Tissue International, 2021, 108, 654-666.	1.5	17
6	Gut microbial-derived short-chain fatty acids and bone: a potential role in fracture healing. , 2021, 41, 454-470.		19
7	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
8	Titanium Wear Particles Exacerbate S. epidermidis-Induced Implant-Related Osteolysis and Decrease Efficacy of Antibiotic Therapy. Microorganisms, 2021, 9, 1945.	1.6	1
9	Fracture biomechanics influence local and systemic immune responses in a murine fracture-related infection model. Biology Open, 2021, 10, .	0.6	6
10	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
11	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
12	Development of bone seeker <sup>®</sup> functionalised microspheres as a targeted local antibiotic delivery system for bone infections. Journal of Orthopaedic Translation, 2020, 21, 136-145.	1.9	19
13	Three-Dimensional <i>In Vitro</i> Staphylococcus aureus Abscess Communities Display Antibiotic Tolerance and Protection from Neutrophil Clearance. Infection and Immunity, 2020, 88, .	1.0	16
14	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
15	Non-viral Gene Delivery of Interleukin-1 Receptor Antagonist Using Collagen-Hydroxyapatite Scaffold Protects Rat BM-MSCs From IL-1 $\beta$ -Mediated Inhibition of Osteogenesis. Frontiers in Bioengineering and Biotechnology, 2020, 8, 582012.	2.0	10
16	Current Concepts of Osteomyelitis. American Journal of Pathology, 2020, 190, 1151-1163.	1.9	61
17	Functional Biomaterials for Bone Regeneration: A Lesson in Complex Biology. Advanced Functional Materials, 2020, 30, 1909874.	7.8	122
18	Fracture Healing and Progress Towards Successful Repair. , 2020, , 225-243.		5

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19	Intraoperative loading of calcium phosphate-coated implants with gentamicin prevents experimental Staphylococcus aureus infection in vivo. PLoS ONE, 2019, 14, e0210402.	1.1	21
20	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
21	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
22	Pathogenic Mechanisms and Host Interactions in Staphylococcus epidermidis Device-Related Infection. Frontiers in Microbiology, 2017, 8, 1401.	1.5	149
23	The Effect of Krill Oil Supplementation on Exercise Performance and Markers of Immune Function. PLoS ONE, 2015, 10, e0139174.	1.1	23
24	Fluvastatin does not prevent the acute-phase response to intravenous zoledronic acid in post-menopausal women. Bone, 2011, 49, 140-145.	1.4	29
25	Activation of $\hat{I}^3\hat{I}^7$ T Cells by Bisphosphonates. Advances in Experimental Medicine and Biology, 2009, 658, 11-20.	0.8	70
26	Visualizing mineral binding and uptake of bisphosphonate by osteoclasts and non-resorbing cells. Bone, 2008, 42, 848-860.	1.4	211
27	Recent advances in understanding the mechanism of action of bisphosphonates. Current Opinion in Pharmacology, 2006, 6, 307-312.	1.7	219
28	Alkylamines cause $\hat{I}^3\hat{I}^7$ T-cell activation and proliferation by inhibiting the mevalonate pathway. Blood, 2006, 107, 651-654.	0.6	82
29	Cytosolic Entry of Bisphosphonate Drugs Requires Acidification of Vesicles after Fluid-Phase Endocytosis. Molecular Pharmacology, 2006, 69, 1624-1632.	1.0	211
30	Statins Prevent Bisphosphonate-Induced $\hat{I}^3\hat{I}^7$ -T-Cell Proliferation and Activation In Vitro. Journal of Bone and Mineral Research, 2003, 19, 278-288.	3.1	194
31	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