

Mathias P G Bostrom

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

1,199
citations

430874

18
h-index

395702

33
g-index

50
all docs

50
docs citations

50
times ranked

1863
citing authors

#	ARTICLE	IF	CITATIONS
1	Callus mineralization and maturation are delayed during fracture healing in interleukin-6 knockout mice. <i>Bone</i> , 2007, 41, 928-936.	2.9	250
2	The Clinical Use of Allografts, Demineralized Bone Matrices, Synthetic Bone Graft Substitutes and Osteoinductive Growth Factors: A Survey Study. <i>HSS Journal</i> , 2005, 1, 9-18.	1.7	118
3	Systemic corticosteroids inhibit bone healing in a rabbit ulnar osteotomy model. <i>Acta Orthopaedica</i> , 2000, 71, 316-321.	1.4	106
4	Adjuvant antibiotic-loaded bone cement: Concerns with current use and research to make it work. <i>Journal of Orthopaedic Research</i> , 2021, 39, 227-239.	2.3	63
5	Quantification of Peri-Implant Bacterial Load and in Vivo Biofilm Formation in an Innovative, Clinically Representative Mouse Model of Periprosthetic Joint Infection. <i>Journal of Bone and Joint Surgery - Series A</i> , 2017, 99, e25.	3.0	60
6	The Influence of Spacer Design on the Rate of Complications in Two-Stage Revision Hip Arthroplasty. <i>Journal of Arthroplasty</i> , 2019, 34, 1201-1206.	3.1	37
7	Effect of Teriparatide on Bone Formation in the Human Femoral Neck. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 1498-1505.	3.6	33
8	2020 John Charnley Award: The antimicrobial potential of bacteriophage-derived lysin in a murine debridement, antibiotics, and implant retention model of prosthetic joint infection. <i>Bone and Joint Journal</i> , 2020, 102-B, 3-10.	4.4	32
9	Intermittent Parathyroid Hormone Enhances Cancellous Osseointegration of a Novel Murine Tibial Implant. <i>Journal of Bone and Joint Surgery - Series A</i> , 2015, 97, 1074-1083.	3.0	28
10	Vancomycin-Loaded Polymethylmethacrylate Spacers Fail to Eradicate Periprosthetic Joint Infection in a Clinically Representative Mouse Model. <i>Journal of Bone and Joint Surgery - Series A</i> , 2018, 100, e76.	3.0	28
11	Intraosseous BMP implants in rabbits Inhibitory effect on bone formation. <i>Acta Orthopaedica</i> , 1999, 70, 77-83.	1.4	27
12	Developing a Clinically Representative Model of Periprosthetic Joint Infection. <i>Journal of Bone and Joint Surgery - Series A</i> , 2016, 98, 1666-1676.	3.0	26
13	Comparative Assessment of Grit, Conscientiousness, and Self-Control in Applicants Interviewing for Residency Positions and Current Orthopaedic Surgery Residents. <i>Journal of Surgical Education</i> , 2018, 75, 557-563.	2.5	26
14	Abductor Deficiency-Induced Recurrent Instability After Total Hip Arthroplasty. <i>JBJS Reviews</i> , 2020, 8, e0164-e0164.	2.0	24
15	The AAHKS Best Podium Presentation Research Award: Comparing the Efficacy of Irrigation Solutions on Staphylococcal Biofilm Formed on Arthroplasty Surfaces. <i>Journal of Arthroplasty</i> , 2021, 36, S26-S32.	3.1	23
16	Pause Insertions During Cyclic In Vivo Loading Affect Bone Healing. <i>Clinical Orthopaedics and Related Research</i> , 2008, 466, 1232-1238.	1.5	22
17	Selected Heat-Sensitive Antibiotics Are Not Inactivated During Polymethylmethacrylate Curing and Can Be Used in Cement Spacers for Periprosthetic Joint Infection. <i>Journal of Arthroplasty</i> , 2018, 33, 1930-1935.	3.1	22
18	The effects of PTH, loading and surgical insult on cancellous bone at the bone-implant interface in the rabbit. <i>Bone</i> , 2013, 52, 718-724.	2.9	20

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19	Vancomycin-laden calcium phosphate-calcium sulfate composite allows bone formation in a rat infection model. PLoS ONE, 2019, 14, e0222034.	2.5	20
20	Polymethylmethacrylate particles stimulate bone resorption of mature osteoclasts in vitro. Monthly Notices of the Royal Astronomical Society: Letters, 2008, 79, 281-288.	3.3	17
21	Communication Skills Training for Surgical Residents: Learning to Relate to the Needs of Older Adults. Journal of Surgical Education, 2018, 75, 1180-1187.	2.5	17
22	Sequencing of Circulating Microbial Cell-Free DNA Can Identify Pathogens in Periprosthetic Joint Infections. Journal of Bone and Joint Surgery - Series A, 2021, 103, 1705-1712.	3.0	17
23	Tissue reaction and material biodegradation of a calcium sulfate/apatite biphasic bone substitute in rat muscle. Journal of Orthopaedic Translation, 2016, 6, 10-17.	3.9	16
24	An in vivo model of a mechanically-induced bone marrow lesion. Journal of Biomechanics, 2017, 64, 258-261.	2.1	16
25	What experimental approaches (eg, in vivo, in vitro, tissue retrieval) are effective in investigating the biologic effects of particles?. Journal of the American Academy of Orthopaedic Surgeons, The, 2008, 16, S63-S67.	2.5	16
26	Changes in opioid discharge prescriptions after primary total hip and total knee arthroplasty affect opioid refill rates and morphine milligram equivalents. Bone and Joint Journal, 2021, 103-B, 103-110.	4.4	15
27	In vitro elution characteristics of antibiotic laden BoneSource [®] , hydroxyapatite bone cement. Journal of Biomaterials Science, Polymer Edition, 2013, 24, 797-806.	3.5	12
28	The Diagnosis and Treatment of Acetabular Bone Loss in Revision Hip Arthroplasty: An International Consensus Symposium. HSS Journal, 2022, 18, 8-41.	1.7	12
29	Thermal Stability and in Vitro Elution Kinetics of Alternative Antibiotics in Polymethylmethacrylate (PMMA) Bone Cement. Journal of Bone and Joint Surgery - Series A, 2021, 103, 1694-1704.	3.0	11
30	Ceramic composite with gentamicin decreases persistent infection and increases bone formation in a rat model of debrided osteomyelitis. Journal of Bone and Joint Infection, 2021, 6, 283-293.	1.5	11
31	Trabecular bone adaptation to loading in a rabbit model is not magnitude-dependent. Journal of Orthopaedic Research, 2013, 31, 930-934.	2.3	10
32	Analysis of Hip and Knee Reconstruction Questions on the Orthopedic In-Training Examination. Journal of Arthroplasty, 2021, 36, 1156-1159.	3.1	7
33	Immune and repair responses in joint tissues and lymph nodes after knee arthroplasty surgery in mice. Journal of Bone and Mineral Research, 2020, 36, 1765-1780.	2.8	7
34	Inhibition of PAD4 mediated neutrophil extracellular traps prevents fibrotic osseointegration failure in a tibial implant murine model. Bone and Joint Journal, 2021, 103-B, 135-144.	4.4	7
35	Clinical and Radiographic Outcomes with a Hydroxyapatite and Porous Coated Cup Design. Advances in Orthopedic Surgery, 2014, 2014, 1-5.	0.5	6
36	Joint Replacements in Individuals With Skeletal Dysplasias: One Institution's Experience and Response to Operative Complications. Journal of Arthroplasty, 2020, 35, 1993-2001.	3.1	6

#	ARTICLE	IF	CITATIONS
37	Effects of teriparatide and loading modality on modeling-based and remodeling-based bone formation in the human femoral neck. <i>Bone</i> , 2022, 157, 116342.	2.9	6
38	Has Tranexamic Acid in Total Knee Arthroplasty Made Tourniquet Use Obsolete?. <i>HSS Journal</i> , 2018, 14, 338-340.	1.7	5
39	Loading modality and age influence teriparatide-induced bone formation in the human femoral neck. <i>Bone</i> , 2020, 136, 115373.	2.9	5
40	2020 international practice patterns in adult joint reconstruction surgery: a survey of members of the International Society of Orthopaedic Centers. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2021, 31, 1297-1303.	1.4	5
41	The role of intermittent PTH administration in conjunction with allogenic stem cell treatment to stimulate fracture healing. <i>Bone and Joint Research</i> , 2021, 10, 659-667.	3.6	5
42	The Role of Electronic Learning in Orthopaedic Graduate Medical Training: A Consensus From Leaders in Orthopaedic Training Programs. <i>Journal of the American Academy of Orthopaedic Surgeons</i> , The, 2021, 29, 317-325.	2.5	4
43	Custom hemiarthroplasties for retention of existing hardware associated with osteogenesis imperfecta. <i>Arthroplasty Today</i> , 2017, 3, 89-92.	1.6	1
44	EMPOWERING OLDER ADULTS IN HEALTHCARE SETTINGS: COMMUNICATION SKILLS TRAINING FOR SURGICAL RESIDENTS. <i>Innovation in Aging</i> , 2019, 3, S298-S298.	0.1	0
45	Systemic osteoprotegerin does not improve peri-implant bone volume or osseointegration in rabbits. <i>Journal of Orthopaedic Research</i> , 2020, 39, 1611-1621.	2.3	0
46	Reply to the Letter to the Editor: Can Machine Learning Algorithms Predict Which Patients Will Achieve Minimally Clinically Important Differences From Total Joint Arthroplasty?. <i>Clinical Orthopaedics and Related Research</i> , 2020, 478, 1378-1379.	1.5	0
47	Three-Column Spine Fracture After Direct Anterior Total Hip Arthroplasty. <i>JBJS Case Connector</i> , 2021, 11, .	0.3	0
48	THE CONDUCT OF CLINICAL RESEARCH UNDER THE HIPAA PRIVACY RULE. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006, 88, 2765-2770.	3.0	0
49	Intermittent parathyroid hormone increases stability and improves osseointegration of initially unstable implants. <i>Bone and Joint Research</i> , 2022, 11, 260-269.	3.6	0