

Mathias P G Bostrom

List of Publications by Year in descending order

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49
papers

1,199
citations

430442

18
h-index

395343

33
g-index

50
all docs

50
docs citations

50
times ranked

1863
citing authors

#	ARTICLE	IF	CITATIONS
1	The Diagnosis and Treatment of Acetabular Bone Loss in Revision Hip Arthroplasty: An International Consensus Symposium. <i>HSS Journal</i> , 2022, 18, 8-41.	0.7	12
2	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.	1.4	6
3	Intermittent parathyroid hormone increases stability and improves osseointegration of initially unstable implants. <i>Bone and Joint Research</i> , 2022, 11, 260-269.	1.3	0
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.	1.2	63
5	Analysis of Hip and Knee Reconstruction Questions on the Orthopedic In-Training Examination. <i>Journal of Arthroplasty</i> , 2021, 36, 1156-1159.	1.5	7
6	Three-Column Spine Fracture After Direct Anterior Total Hip Arthroplasty. <i>JBJS Case Connector</i> , 2021, 11, .	0.1	0
7	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.	0.6	5
8	Thermal Stability and in Vitro Elution Kinetics of Alternative Antibiotics in Polymethylmethacrylate (PMMA) Bone Cement. <i>Journal of Bone and Joint Surgery - Series A</i> , 2021, 103, 1694-1704.	1.4	11
9	Ceramic composite with gentamicin decreases persistent infection and increases bone formation in a rat model of debrided osteomyelitis. <i>Journal of Bone and Joint Infection</i> , 2021, 6, 283-293.	0.6	11
10	Sequencing of Circulating Microbial Cell-Free DNA Can Identify Pathogens in Periprosthetic Joint Infections. <i>Journal of Bone and Joint Surgery - Series A</i> , 2021, 103, 1705-1712.	1.4	17
11	Changes in opioid discharge prescriptions after primary total hip and total knee arthroplasty affect opioid refill rates and morphine milligram equivalents. <i>Bone and Joint Journal</i> , 2021, 103-B, 103-110.	1.9	15
12	Inhibition of PAD4 mediated neutrophil extracellular traps prevents fibrotic osseointegration failure in a tibial implant murine model. <i>Bone and Joint Journal</i> , 2021, 103-B, 135-144.	1.9	7
13	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.	1.5	23
14	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.	1.3	5
15	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.	1.1	4
16	Systemic osteoprotegerin does not improve peri-implant bone volume or osseointegration in rabbits. <i>Journal of Orthopaedic Research</i> , 2020, 39, 1611-1621.	1.2	0
17	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.	1.9	32
18	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.	0.7	0

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19	Abductor Deficiency-Induced Recurrent Instability After Total Hip Arthroplasty. <i>JBJS Reviews</i> , 2020, 8, e0164-e0164.	0.8	24
20	Joint Replacements in Individuals With Skeletal Dysplasias: One Institution's Experience and Response to Operative Complications. <i>Journal of Arthroplasty</i> , 2020, 35, 1993-2001.	1.5	6
21	Loading modality and age influence teriparatide-induced bone formation in the human femoral neck. <i>Bone</i> , 2020, 136, 115373.	1.4	5
22	Immune and repair responses in joint tissues and lymph nodes after knee arthroplasty surgery in mice. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 1765-1780.	3.1	7
23	Vancomycin-laden calcium phosphate-calcium sulfate composite allows bone formation in a rat infection model. <i>PLoS ONE</i> , 2019, 14, e0222034.	1.1	20
24	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.	1.5	37
25	EMPOWERING OLDER ADULTS IN HEALTHCARE SETTINGS: COMMUNICATION SKILLS TRAINING FOR SURGICAL RESIDENTS. <i>Innovation in Aging</i> , 2019, 3, S298-S298.	0.0	0
26	Communication Skills Training for Surgical Residents: Learning to Relate to the Needs of Older Adults. <i>Journal of Surgical Education</i> , 2018, 75, 1180-1187.	1.2	17
27	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.	1.5	22
28	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.	1.2	26
29	Has Tranexamic Acid in Total Knee Arthroplasty Made Tourniquet Use Obsolete?. <i>HSS Journal</i> , 2018, 14, 338-340.	0.7	5
30	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.	1.4	28
31	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.	1.4	60
32	Custom hemiarthroplasties for retention of existing hardware associated with osteogenesis imperfecta. <i>Arthroplasty Today</i> , 2017, 3, 89-92.	0.8	1
33	An in vivo model of a mechanically-induced bone marrow lesion. <i>Journal of Biomechanics</i> , 2017, 64, 258-261.	0.9	16
34	Tissue reaction and material biodegradation of a calcium sulfate/apatite biphasic bone substitute in rat muscle. <i>Journal of Orthopaedic Translation</i> , 2016, 6, 10-17.	1.9	16
35	Developing a Clinically Representative Model of Periprosthetic Joint Infection. <i>Journal of Bone and Joint Surgery - Series A</i> , 2016, 98, 1666-1676.	1.4	26
36	Effect of Teriparatide on Bone Formation in the Human Femoral Neck. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 1498-1505.	1.8	33

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37	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.	1.4	28
38	Clinical and Radiographic Outcomes with a Hydroxyapatite and Porous Coated Cup Design. <i>Advances in Orthopedic Surgery</i> , 2014, 2014, 1-5.	0.5	6
39	<i>In vitro</i> elution characteristics of antibiotic laden BoneSource [®] , hydroxyapatite bone cement. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2013, 24, 797-806.	1.9	12
40	Trabecular bone adaptation to loading in a rabbit model is not magnitude dependent. <i>Journal of Orthopaedic Research</i> , 2013, 31, 930-934.	1.2	10
41	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.	1.4	20
42	Pause Insertions During Cyclic In Vivo Loading Affect Bone Healing. <i>Clinical Orthopaedics and Related Research</i> , 2008, 466, 1232-1238.	0.7	22
43	Polymethylmethacrylate particles stimulate bone resorption of mature osteoclasts in vitro. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2008, 79, 281-288.	1.2	17
44	What experimental approaches (eg, in vivo, in vitro, tissue retrieval) are effective in investigating the biologic effects of particles?. <i>Journal of the American Academy of Orthopaedic Surgeons</i> , The, 2008, 16, S63-S67.	1.1	16
45	Callus mineralization and maturation are delayed during fracture healing in interleukin-6 knockout mice. <i>Bone</i> , 2007, 41, 928-936.	1.4	250
46	THE CONDUCT OF CLINICAL RESEARCH UNDER THE HIPAA PRIVACY RULE. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006, 88, 2765-2770.	1.4	0
47	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.	0.7	118
48	Systemic corticosteroids inhibit bone healing in a rabbit ulnar osteotomy model. <i>Acta Orthopaedica</i> , 2000, 71, 316-321.	1.4	106
49	Intraosseous BMP implants in rabbits Inhibitory effect on bone formation. <i>Acta Orthopaedica</i> , 1999, 70, 77-83.	1.4	27