

# 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  | The Diagnosis and Treatment of Acetabular Bone Loss in Revision Hip Arthroplasty: An International Consensus Symposium. <i>HSS Journal</i> , 2022, 18, 8-41.                                                                                                | 1.7 | 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.                                                                                              | 2.9 | 6         |
| 3  | 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         |
| 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  | Analysis of Hip and Knee Reconstruction Questions on the Orthopedic In-Training Examination. <i>Journal of Arthroplasty</i> , 2021, 36, 1156-1159.                                                                                                          | 3.1 | 7         |
| 6  | Three-Column Spine Fracture After Direct Anterior Total Hip Arthroplasty. <i>JBJS Case Connector</i> , 2021, 11, .                                                                                                                                          | 0.3 | 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.                 | 1.4 | 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.                                                        | 3.0 | 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.                                                      | 1.5 | 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.                                                                    | 3.0 | 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.                                          | 4.4 | 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.                                                               | 4.4 | 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.                                            | 3.1 | 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.                                                                            | 3.6 | 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.                               | 2.5 | 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.                                                                                            | 2.3 | 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.                    | 4.4 | 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. | 1.5 | 0         |

| #  | ARTICLE                                                                                                                                                                                                                                     | IF  | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Abductor Deficiency-Induced Recurrent Instability After Total Hip Arthroplasty. <i>JBJS Reviews</i> , 2020, 8, e0164-e0164.                                                                                                                 | 2.0 | 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.                                                     | 3.1 | 6         |
| 21 | Loading modality and age influence teriparatide-induced bone formation in the human femoral neck. <i>Bone</i> , 2020, 136, 115373.                                                                                                          | 2.9 | 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.                                                                    | 2.8 | 7         |
| 23 | Vancomycin-laden calcium phosphate-calcium sulfate composite allows bone formation in a rat infection model. <i>PLoS ONE</i> , 2019, 14, e0222034.                                                                                          | 2.5 | 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.                                                                                   | 3.1 | 37        |
| 25 | EMPOWERING OLDER ADULTS IN HEALTHCARE SETTINGS: COMMUNICATION SKILLS TRAINING FOR SURGICAL RESIDENTS. <i>Innovation in Aging</i> , 2019, 3, S298-S298.                                                                                      | 0.1 | 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.                                                                          | 2.5 | 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.                    | 3.1 | 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.                 | 2.5 | 26        |
| 29 | Has Tranexamic Acid in Total Knee Arthroplasty Made Tourniquet Use Obsolete?. <i>HSS Journal</i> , 2018, 14, 338-340.                                                                                                                       | 1.7 | 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.                         | 3.0 | 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. | 3.0 | 60        |
| 32 | Custom hemiarthroplasties for retention of existing hardware associated with osteogenesis imperfecta. <i>Arthroplasty Today</i> , 2017, 3, 89-92.                                                                                           | 1.6 | 1         |
| 33 | An in vivo model of a mechanically-induced bone marrow lesion. <i>Journal of Biomechanics</i> , 2017, 64, 258-261.                                                                                                                          | 2.1 | 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.                                                                | 3.9 | 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.                                                                                  | 3.0 | 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.                                                                                         | 3.6 | 33        |

| #  | ARTICLE                                                                                                                                                                                                                            | IF  | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 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.                                                 | 3.0 | 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 <sup>®</sup> , hydroxyapatite bone cement. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2013, 24, 797-806.                                     | 3.5 | 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.                                                                                    | 2.3 | 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.                                                                                   | 2.9 | 20        |
| 42 | Pause Insertions During Cyclic In Vivo Loading Affect Bone Healing. <i>Clinical Orthopaedics and Related Research</i> , 2008, 466, 1232-1238.                                                                                      | 1.5 | 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.                                                  | 3.3 | 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. | 2.5 | 16        |
| 45 | Callus mineralization and maturation are delayed during fracture healing in interleukin-6 knockout mice. <i>Bone</i> , 2007, 41, 928-936.                                                                                          | 2.9 | 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.                                                                                          | 3.0 | 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.                                               | 1.7 | 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        |