

L Bogdan Solomon

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

106
papers

1,548
citations

22
h-index

34
g-index

121
ext. papers

1,924
ext. citations

3.4
avg, IF

4.78
L-index

#	Paper	IF	Citations
106	EMG-informed neuromusculoskeletal models accurately predict knee loading measured using instrumented implants.. <i>IEEE Transactions on Biomedical Engineering</i> , 2022 , PP,	5	4
105	Predictors of Treatment Success After Periprosthetic Joint Infection: 24-Month Follow up From a Multicenter Prospective Observational Cohort Study of 653 Patients.. <i>Open Forum Infectious Diseases</i> , 2022 , 9, ofac048	1	1
104	A Human Osteocyte Cell Line Model for Studying Persistence in Osteomyelitis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021 , 11, 781022	5.9	1
103	The variation in hip stability measurements between supine and standing radiographs of dysplastic hips. <i>Bone and Joint Journal</i> , 2021 , 103-B, 1662-1668	5.6	1
102	Tibial cartilage, subchondral bone plate and trabecular bone microarchitecture in varus- and valgus-osteoarthritis versus controls. <i>Journal of Orthopaedic Research</i> , 2021 , 39, 1988-1999	3.8	1
101	Changes in 24-Hour Physical Activity Patterns and Walking Gait Biomechanics After Primary Total Hip Arthroplasty: A 2-Year Follow-up Study. <i>Journal of Bone and Joint Surgery - Series A</i> , 2021 , 103, 1166-1174	5.6	4
100	Cognitive decline is associated with an accelerated rate of bone loss and increased fracture risk in women: a prospective study from the Canadian Multicentre Osteoporosis Study. <i>Journal of Bone and Mineral Research</i> , 2021 , 36, 2106-2115	6.3	4
99	Postoperative lower limb joint kinematics following tibial plateau fracture: A 2-year longitudinal study. <i>Gait and Posture</i> , 2021 , 83, 20-25	2.6	3
98	Investigating in vivo knee volumetric bone mineral density and walking gait mechanics in healthy people. <i>Bone</i> , 2021 , 143, 115662	4.7	1
97	Development and evaluation of a method to define a tibial coordinate system through the fitting of geometric primitives. <i>International Biomechanics</i> , 2021 , 8, 12-18	0.6	
96	Relationships between the Bone Expression of Alzheimer's Disease-Related Genes, Bone Remodelling Genes and Cortical Bone Structure in Neck of Femur Fracture. <i>Calcified Tissue International</i> , 2021 , 108, 610-621	3.9	1
95	Relationships between tibial articular cartilage, in vivo external joint moments and static alignment in end-stage knee osteoarthritis: A micro-CT study. <i>Journal of Orthopaedic Research</i> , 2021 ,	3.8	1
94	3D modelling of tibial plateau fractures: Variability in fracture location and characteristics across Schatzker fracture types. <i>Injury</i> , 2021 , 52, 2415-2424	2.5	2
93	Clinical Characteristics, Etiology, and Initial Management Strategy of Newly Diagnosed Periprosthetic Joint Infection: A Multicenter, Prospective Observational Cohort Study of 783 Patients. <i>Open Forum Infectious Diseases</i> , 2020 , 7, ofaa068	1	13
92	Lower functioning patients demonstrate atypical hip joint loading before and following total hip arthroplasty for osteoarthritis. <i>Journal of Orthopaedic Research</i> , 2020 , 38, 1550-1558	3.8	4
91	Which Risk Factors Predict Knee Ligament Injuries in Severely Injured Patients?-Results from an International Multicenter Analysis. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	1
90	A New Approach to Surgical Management of Tibial Plateau Fractures. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	4

89	Accuracy of EBRA-cup measurements after reconstruction of severe acetabular defects at revision THR. <i>Journal of Orthopaedic Research</i> , 2020 , 38, 1497-1505	3.8	9
88	Longitudinal changes in lower limb joint loading up to two years following tibial plateau fracture. <i>Gait and Posture</i> , 2020 , 78, 72-79	2.6	0
87	Acetabular Component Migration Measured Using Radiostereometric Analysis Following Revision Total Hip Arthroplasty: A Scoping Review. <i>JBJS Reviews</i> , 2020 , 8, e0170	2.6	0
86	Highly Porous Tantalum Acetabular Components Without Ancillary Screws Have Similar Migration to Porous Titanium Acetabular Components With Screws at 2 Years: A Randomized Controlled Trial. <i>Journal of Arthroplasty</i> , 2020 , 35, 2931-2937	4.4	1
85	Human osteocyte expression of Nerve Growth Factor: The effect of Pentosan Polysulphate Sodium (PPS) and implications for pain associated with knee osteoarthritis. <i>PLoS ONE</i> , 2019 , 14, e0222602	3.7	10
84	Osteocytes respond to particles of clinically-relevant conventional and cross-linked polyethylene and metal alloys by up-regulation of resorptive and inflammatory pathways. <i>Acta Biomaterialia</i> , 2019 , 87, 296-306	10.8	25
83	Statistical shape modelling versus linear scaling: Effects on predictions of hip joint centre location and muscle moment arms in people with hip osteoarthritis. <i>Journal of Biomechanics</i> , 2019 , 85, 164-172	2.9	26
82	Influence of stems and metaphyseal sleeve on primary stability of cementless revision tibial trays used to reconstruct AORI IIB defects. <i>Journal of Orthopaedic Research</i> , 2019 , 37, 1033-1041	3.8	8
81	Vancouver B2 Peri-Prosthetic Fractures in Cemented Femoral Implants can be Treated With Open Reduction and Internal Fixation Alone Without Revision. <i>Journal of Arthroplasty</i> , 2019 , 34, 1430-1434	4.4	16
80	Structured-mentorship Program for Periacetabular Osteotomy Resulted in Few Complications for a Low-volume Pelvic Surgeon. <i>Clinical Orthopaedics and Related Research</i> , 2019 , 477, 1126-1134	2.2	5
79	Tibia plateau fracture mapping and its influence on fracture fixation. <i>Journal of Orthopaedics and Traumatology</i> , 2019 , 20, 12	5	17
78	Objectively measured 24-hour activity profiles before and after total hip arthroplasty. <i>Bone and Joint Journal</i> , 2019 , 101-B, 415-425	5.6	11
77	Patient Weight-bearing after Pelvic Fracture Surgery-A Systematic Review of the Literature: What is the Modern Evidence Base?. <i>Strategies in Trauma and Limb Reconstruction</i> , 2019 , 14, 45-52	0.6	7
76	Evidence for Gender-Specific Bone Loss Mechanisms in Periprosthetic Osteolysis. <i>Journal of Clinical Medicine</i> , 2019 , 9,	5.1	3
75	Surgical Technique to Manage Periprosthetic Fractures of the Knee in Patients with Infected Leg Ulcers: A Report of Two Cases. <i>JBJS Case Connector</i> , 2019 , 9, e0347	0.4	
74	Personalised 3D knee compliance from clinically viable knee laxity measurements: A proof of concept ex vivo experiment. <i>Medical Engineering and Physics</i> , 2019 , 64, 80-85	2.4	1
73	General Assembly, Prevention, Surgical Site Preparation: Proceedings of International Consensus on Orthopedic Infections. <i>Journal of Arthroplasty</i> , 2019 , 34, S85-S92	4.4	9
72	Articular coronal fracture angle of posteromedial tibial plateau fragments: A computed tomography fracture mapping study. <i>Injury</i> , 2019 , 50, 489-496	2.5	13

71	Biomechanical changes and recovery of gait function after total hip arthroplasty for osteoarthritis: a systematic review and meta-analysis. <i>Osteoarthritis and Cartilage</i> , 2018 , 26, 847-863	6.2	44
70	Relationships between in vivo dynamic knee joint loading, static alignment and tibial subchondral bone microarchitecture in end-stage knee osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2018 , 26, 547-556	6.2	15
69	Novel Insights into Staphylococcus aureus Deep Bone Infections: the Involvement of Osteocytes. <i>MBio</i> , 2018 , 9,	7.8	72
68	A systematic literature review of tibial plateau fractures: What classifications are used and how reliable and useful are they?. <i>Injury</i> , 2018 , 49, 473-490	2.5	39
67	Influence of varying stem and metaphyseal sleeve size on the primary stability of cementless revision tibial trays used to reconstruct AORI IIA defects. A simulation study. <i>Journal of Orthopaedic Research</i> , 2018 , 36, 1876-1886	3.8	12
66	Time dependent loss of trabecular bone in human tibial plateau fractures. <i>Journal of Orthopaedic Research</i> , 2018 , 36, 2865-2875	3.8	0
65	An intelligent system for image-based rating of corrosion severity at stem taper of retrieved hip replacement implants. <i>Medical Engineering and Physics</i> , 2018 , 61, 13-24	2.4	10
64	The Distribution and Severity of Corrosion Damage at Eight Distinct Zones of Metallic Femoral Stem Implants. <i>Metals</i> , 2018 , 8, 840	2.3	3
63	The Stability of the Porous Tantalum Components Used in Revision THA to Treat Severe Acetabular Defects: A Radiostereometric Analysis Study. <i>Journal of Bone and Joint Surgery - Series A</i> , 2018 , 100, 1928-1933 ¹⁰	5.6	10
62	Advantages in Using Cemented Polished Tapered Stems When Performing Total Hip Arthroplasty in Very Young Patients. <i>Journal of Arthroplasty</i> , 2017 , 32, 1227-1233	4.4	11
61	Defining the pubic symphysis angle with respect to the coronal plane - Clinical and biomechanical considerations. <i>Injury</i> , 2017 , 48, 1714-1716	2.5	1
60	Accuracy of methods to measure femoral head penetration within metal-backed acetabular components. <i>Journal of Orthopaedic Research</i> , 2017 , 35, 988-996	3.8	9
59	Systematic mapping of the subchondral bone 3D microarchitecture in the human tibial plateau: Variations with joint alignment. <i>Journal of Orthopaedic Research</i> , 2017 , 35, 1927-1941	3.8	26
58	A new finding on the in-vivo crevice corrosion damage in a CoCrMo hip implant. <i>Materials Science and Engineering C</i> , 2017 , 79, 390-398	8.3	14
57	Joint loading and proximal tibia subchondral trabecular bone microarchitecture differ with walking gait patterns in end-stage knee osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2017 , 25, 1623-1632	6.2	12
56	Postoperative weight bearing and patient reported outcomes at one year following tibial plateau fractures. <i>Injury</i> , 2017 , 48, 1650-1656	2.5	17
55	The diagnostic performance of radiographic criteria to detect aseptic acetabular component loosening after revision total hip arthroplasty. <i>Bone and Joint Journal</i> , 2017 , 99-B, 458-464	5.6	13
54	Proximal translation of > 1 mm within the first two years of revision total hip arthroplasty correctly predicts whether or not an acetabular component is loose in 80% of cases: a case-control study with confirmed intra-operative outcomes. <i>Bone and Joint Journal</i> , 2017 , 99-B, 465-474	5.6	10

53	Rehabilitation for tibial plateau fractures in adults: a scoping review protocol. <i>JBI Database of Systematic Reviews and Implementation Reports</i> , 2017 , 15, 2437-2444	1.6	1
52	Complications of trans arterial embolization during the resuscitation of pelvic fractures. <i>Injury</i> , 2017 , 48, 2724-2729	2.5	1
51	Characteristics of postoperative weight bearing and management protocols for tibial plateau fractures: Findings from a scoping review. <i>Injury</i> , 2017 , 48, 2634-2642	2.5	16
50	Exposure of the superior gluteal neurovascular bundle for the safe application of acetabular reinforcement cages in complex revisions. <i>HIP International</i> , 2016 , 26, 307-9	1.7	1
49	Evidence that osteocyte perilacunar remodelling contributes to polyethylene wear particle induced osteolysis. <i>Acta Biomaterialia</i> , 2016 , 33, 242-51	10.8	37
48	Early acetabular cartilage wear following hemiarthroplasty: An ovine model. <i>Veterinary and Comparative Orthopaedics and Traumatology</i> , 2016 , 29, 125-30	1.2	1
47	Versatility of an Extended Posterior Approach for the Treatment of Acetabular Fractures With Reference to the Superior Gluteal Neurovascular Bundle. <i>Journal of Orthopaedic Trauma</i> , 2016 , 30, e289-93	3.1	6
46	Isolation of osteocytes from human trabecular bone. <i>Bone</i> , 2016 , 88, 64-72	4.7	28
45	Osteological evidence of remote penetrating soft tissue trauma in skeletal remains. <i>Forensic Science, Medicine, and Pathology</i> , 2015 , 11, 307-11	1.5	5
44	Is internal fixation alone advantageous in selected B2 periprosthetic fractures?. <i>ANZ Journal of Surgery</i> , 2015 , 85, 169-73	1	24
43	CORR Insights : Injury risk to extraosseous knee vasculature during osteotomies: a cadaveric study with ct and dissection analysis. <i>Clinical Orthopaedics and Related Research</i> , 2015 , 473, 1040-2	2.2	2
42	1 α 25-dihydroxyvitamin D3 stimulates human SOST gene expression and sclerostin secretion. <i>Molecular and Cellular Endocrinology</i> , 2015 , 413, 157-67	4.4	32
41	Wear of highly crosslinked polyethylene acetabular components. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2015 , 86, 159-68	4.3	41
40	Impaction bone grafting has potential as an adjunct to the surgical stabilisation of osteoporotic tibial plateau fractures: Early results of a case series. <i>Injury</i> , 2015 , 46, 1089-96	2.5	12
39	Peak loading during walking is not associated with fracture migration following tibial plateau fracture: A preliminary case series. <i>Journal of Orthopaedic Research</i> , 2015 , 33, 1398-406	3.8	17
38	Does cup-cage reconstruction with oversized cups provide initial stability in THA for osteoporotic acetabular fractures?. <i>Clinical Orthopaedics and Related Research</i> , 2015 , 473, 3811-9	2.2	18
37	Revision total hip arthroplasty using cemented collarless double-taper femoral components at a mean follow-up of 13 years (8 to 20): an update. <i>Bone and Joint Journal</i> , 2015 , 97-B, 1038-45	5.6	7
36	Head-neck taper corrosion in hip arthroplasty. <i>BioMed Research International</i> , 2015 , 2015, 758123	3	78

35	The variability of the volume of os coxae and linear pelvic morphometry. Considerations for total hip arthroplasty. <i>Journal of Arthroplasty</i> , 2014 , 29, 769-76	4.4	5
34	Assessment of the initial viscoelastic properties of a critical segmental long bone defect reconstructed with impaction bone grafting and intramedullary nailing. <i>Medical Engineering and Physics</i> , 2014 , 36, 39-48	2.4	1
33	Biomechanical methods for the assessment of fracture repair. <i>Injury</i> , 2014 , 45 Suppl 2, S32-8	2.5	52
32	An extended posterior approach to the hip and pelvis for complex acetabular reconstruction that preserves the gluteal muscles and their neurovascular supply. <i>Bone and Joint Journal</i> , 2014 , 96-B, 48-53	5.6	10
31	Dilemmas in imaging for peri-acetabular osteotomy: the influence of patient position and imaging technique on the radiological features of hip dysplasia. <i>Bone and Joint Journal</i> , 2014 , 96-B, 1155-60	5.6	10
30	Can tibial plateau fractures be reduced and stabilised through an angiosome-sparing antero-lateral approach?. <i>Injury</i> , 2014 , 45, 766-74	2.5	11
29	Validity and reliability of the Paprosky acetabular defect classification. <i>Clinical Orthopaedics and Related Research</i> , 2013 , 471, 2259-65	2.2	41
28	Posterolateral and anterolateral approaches to unicondylar posterolateral tibial plateau fractures: a comparative study. <i>Injury</i> , 2013 , 44, 1561-8	2.5	48
27	Does the method of component fixation influence clinical outcomes after total knee replacement? A systematic literature review. <i>Journal of Arthroplasty</i> , 2013 , 28, 740-6	4.4	8
26	Periprosthetic osteolysis after total hip replacement: molecular pathology and clinical management. <i>Inflammopharmacology</i> , 2013 , 21, 389-96	5.1	29
25	Collecting a comprehensive evidence base to monitor fracture rehabilitation: A case study. <i>World Journal of Orthopedics</i> , 2013 , 4, 259-66	2.2	2
24	Impaction bone grafting of segmental bone defects in femoral non-unions. <i>Acta Orthopaedica Belgica</i> , 2013 , 79, 64-70	1.3	6
23	Piriformis muscle rupture during total hip arthroplasty using a muscle-preserving posterior approach. <i>Acta Orthopaedica Belgica</i> , 2013 , 79, 616-9	1.3	5
22	Femoral bone is preserved using cemented polished stems in young patients. <i>Clinical Orthopaedics and Related Research</i> , 2012 , 470, 3024-31	2.2	4
21	The effect of hip position on the length of trochanteric muscles: potential implications for early postoperative management of hip arthroplasty. <i>Journal of Arthroplasty</i> , 2012 , 27, 953-60.e1-2	4.4	7
20	Imaging periprosthetic osteolysis around total knee arthroplasties using a human cadaver model. <i>Journal of Arthroplasty</i> , 2012 , 27, 1069-74	4.4	30
19	In Response:. <i>Journal of Orthopaedic Trauma</i> , 2011 , 25, e84-e85	3.1	
18	Confirmation of microevolutionary increase in spina bifida occulta among Swiss birth cohorts. <i>European Spine Journal</i> , 2011 , 20, 776-80	2.7	13

17	Emerging ideas: soft tissue applications of radiostereometric analysis. <i>Clinical Orthopaedics and Related Research</i> , 2011 , 469, 1512-6	2.2	1
16	Weight-bearing-induced displacement and migration over time of fracture fragments following split depression fractures of the lateral tibial plateau: a case series with radiostereometric analysis. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2011 , 93, 817-23		32
15	Surviving multi-trauma in the past. <i>ANZ Journal of Surgery</i> , 2010 , 80, 912-6	1	3
14	Anatomy of piriformis, obturator internus and obturator externus: implications for the posterior surgical approach to the hip. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2010 , 92, 1317-24		63
13	The accuracy and precision of radiostereometric analysis in monitoring tibial plateau fractures. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2010 , 81, 487-94	4.3	20
12	Posterolateral transfibular approach to tibial plateau fractures: technique, results, and rationale. <i>Journal of Orthopaedic Trauma</i> , 2010 , 24, 505-14	3.1	91
11	Reduced femoral component subsidence with improved impaction grafting at revision hip arthroplasty. <i>Clinical Orthopaedics and Related Research</i> , 2010 , 468, 3314-21	2.2	20
10	Mechanisms of deaths in captive juvenile New Zealand fur seals (<i>Arctocephalus forsteri</i>). <i>Forensic Science, Medicine, and Pathology</i> , 2010 , 6, 217-20	1.5	2
9	Differentially loaded radiostereometric analysis to monitor fracture stiffness: a feasibility study. <i>Clinical Orthopaedics and Related Research</i> , 2009 , 467, 1839-47	2.2	12
8	Secular trend in the opening of the sacral canal: an Australian study. <i>Spine</i> , 2009 , 34, 244-8	3.3	16
7	The subcrystal pelvic external fixator: technique, results, and rationale. <i>Journal of Orthopaedic Trauma</i> , 2009 , 23, 365-9	3.1	39
6	Surgical anatomy for pelvic external fixation. <i>Clinical Anatomy</i> , 2008 , 21, 674-82	2.5	21
5	Tibial insertion of the biceps femoris tendon: anatomical and radiological description of an anatomical variant. <i>Clinical Anatomy</i> , 2008 , 21, 802-4	2.5	7
4	Non-osseous extra-articular anterolateral talocalcaneal coalition: a case report. <i>Journal of Orthopaedic Surgery</i> , 2007 , 15, 91-3	1.4	2
3	Anatomical study of the ankle with view to the anterior arthroscopic portals. <i>ANZ Journal of Surgery</i> , 2006 , 76, 932-6	1	21
2	A dissection and computer tomograph study of tarsal coalitions in 100 cadaver feet. <i>Journal of Orthopaedic Research</i> , 2003 , 21, 352-8	3.8	65
1	A Mild Case of Autosomal Recessive Osteopetrosis Masquerading as the Dominant Form Involving Homozygous Deep Intronic Variations in the CLCN7 Gene. <i>Calcified Tissue International</i> ,	3.9	