

L Bogdan Solomon

List of Publications by Year in descending order

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114
papers

2,330
citations

257357

24
h-index

265120

42
g-index

121
all docs

121
docs citations

121
times ranked

2319
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Insights into Staphylococcus aureus Deep Bone Infections: the Involvement of Osteocytes. MBio, 2018, 9, .	1.8	114
2	Posterolateral Transfibular Approach to Tibial Plateau Fractures: Technique, Results, and Rationale. Journal of Orthopaedic Trauma, 2010, 24, 505-514.	0.7	113
3	Head-Neck Taper Corrosion in Hip Arthroplasty. BioMed Research International, 2015, 2015, 1-9.	0.9	102
4	Biomechanical changes and recovery of gait function after total hip arthroplasty for osteoarthritis: a systematic review and meta-analysis. Osteoarthritis and Cartilage, 2018, 26, 847-863.	0.6	83
5	A dissection and computer tomograph study of tarsal coalitions in 100 cadaver feet. Journal of Orthopaedic Research, 2003, 21, 352-358.	1.2	78
6	A systematic literature review of tibial plateau fractures: What classifications are used and how reliable and useful are they?. Injury, 2018, 49, 473-490.	0.7	75
7	Anatomy of piriformis, obturator internus and obturator externus. Journal of Bone and Joint Surgery: British Volume, 2010, 92-B, 1317-1324.	3.4	72
8	Posterolateral and anterolateral approaches to unicondylar posterolateral tibial plateau fractures: A comparative study. Injury, 2013, 44, 1561-1568.	0.7	72
9	Biomechanical methods for the assessment of fracture repair. Injury, 2014, 45, S32-S38.	0.7	61
10	Evidence that osteocyte perilacunar remodelling contributes to polyethylene wear particle induced osteolysis. Acta Biomaterialia, 2016, 33, 242-251.	4.1	57
11	Validity and Reliability of the Paprosky Acetabular Defect Classification. Clinical Orthopaedics and Related Research, 2013, 471, 2259-2265.	0.7	54
12	Wear of highly crosslinked polyethylene acetabular components. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 86, 159-168.	1.2	53
13	The Subcristal Pelvic External Fixator: Technique, Results, and Rationale. Journal of Orthopaedic Trauma, 2009, 23, 365-369.	0.7	47
14	Statistical shape modelling versus linear scaling: Effects on predictions of hip joint centre location and muscle moment arms in people with hip osteoarthritis. Journal of Biomechanics, 2019, 85, 164-172.	0.9	47
15	Is internal fixation alone advantageous in selected <sc>B</sc>2 periprosthetic fractures?. ANZ Journal of Surgery, 2015, 85, 169-173.	0.3	43
16	1Î±,25-dihydroxyvitamin D3 stimulates human SOST gene expression and sclerostin secretion. Molecular and Cellular Endocrinology, 2015, 413, 157-167.	1.6	43
17	Osteocytes respond to particles of clinically-relevant conventional and cross-linked polyethylene and metal alloys by up-regulation of resorptive and inflammatory pathways. Acta Biomaterialia, 2019, 87, 296-306.	4.1	41
18	Weight-bearing-induced displacement and migration over time of fracture fragments following split depression fractures of the lateral tibial plateau. Journal of Bone and Joint Surgery: British Volume, 2011, 93-B, 817-823.	3.4	40

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19	Imaging Periprosthetic Osteolysis Around Total Knee Arthroplasties Using a Human Cadaver Model. <i>Journal of Arthroplasty</i> , 2012, 27, 1069-1074.	1.5	40
20	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.	1.5	37
21	Periprosthetic osteolysis after total hip replacement: molecular pathology and clinical management. <i>Inflammopharmacology</i> , 2013, 21, 389-396.	1.9	35
22	Isolation of osteocytes from human trabecular bone. <i>Bone</i> , 2016, 88, 64-72.	1.4	35
23	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.	1.2	30
24	Tibia plateau fracture mapping and its influence on fracture fixation. <i>Journal of Orthopaedics and Traumatology</i> , 2019, 20, 12.	1.0	30
25	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.	0.4	28
26	Reduced Femoral Component Subsidence with Improved Impaction Grafting at Revision Hip Arthroplasty. <i>Clinical Orthopaedics and Related Research</i> , 2010, 468, 3314-3321.	0.7	25
27	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.	3.8	25
28	Characteristics of postoperative weight bearing and management protocols for tibial plateau fractures: Findings from a scoping review. <i>Injury</i> , 2017, 48, 2634-2642.	0.7	25
29	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.	0.6	25
30	ANATOMICAL STUDY OF THE ANKLE WITH VIEW TO THE ANTERIOR ARTHROSCOPIC PORTALS. <i>ANZ Journal of Surgery</i> , 2006, 76, 932-936.	0.3	24
31	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, 1398-1406.	1.2	24
32	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, 3811-3819.	0.7	24
33	Postoperative weight bearing and patient reported outcomes at one year following tibial plateau fractures. <i>Injury</i> , 2017, 48, 1650-1656.	0.7	24
34	Surgical anatomy for pelvic external fixation. <i>Clinical Anatomy</i> , 2008, 21, 674-682.	1.5	23
35	The Stability of the Porous Tantalum Components Used in Revision THA to Treat Severe Acetabular Defects. <i>Journal of Bone and Joint Surgery - Series A</i> , 2018, 100, 1926-1933.	1.4	23
36	The accuracy and precision of radiostereometric analysis in monitoring tibial plateau fractures. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2010, 81, 487-494.	1.2	22

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37	Articular coronal fracture angle of posteromedial tibial plateau fragments: A computed tomography fracture mapping study. <i>Injury</i> , 2019, 50, 489-496.	0.7	22
38	Secular Trend in the Opening of the Sacral Canal. <i>Spine</i> , 2009, 34, 244-248.	1.0	21
39	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.	1.2	21
40	EMG-Informed Neuromusculoskeletal Models Accurately Predict Knee Loading Measured Using Instrumented Implants. <i>IEEE Transactions on Biomedical Engineering</i> , 2022, 69, 2268-2275.	2.5	21
41	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.	0.4	19
42	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.	0.8	18
43	Differentially Loaded Radiostereometric Analysis to Monitor Fracture Stiffness: A Feasibility Study. <i>Clinical Orthopaedics and Related Research</i> , 2009, 467, 1839-1847.	0.7	17
44	Accuracy of methods to measure femoral head penetration within metal-backed acetabular components. <i>Journal of Orthopaedic Research</i> , 2017, 35, 988-996.	1.2	17
45	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.	1.9	17
46	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.	1.1	17
47	Objectively measured 24-hour activity profiles before and after total hip arthroplasty. <i>Bone and Joint Journal</i> , 2019, 101-B, 415-425.	1.9	17
48	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.	1.9	16
49	Dilemmas in imaging for peri-acetabular osteotomy. <i>Bone and Joint Journal</i> , 2014, 96-B, 1155-1160.	1.9	16
50	Confirmation of microevolutionary increase in spina bifida occulta among Swiss birth cohorts. <i>European Spine Journal</i> , 2011, 20, 776-780.	1.0	15
51	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, 1089-1096.	0.7	14
52	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.	1.5	14
53	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.	0.6	14
54	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.	3.1	14

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55	Evidence for osteocyte-mediated bone-matrix degradation associated with periprosthetic joint infection (PJI). , 2021, 42, 264-280.		14
56	Does the Method of Component Fixation Influence Clinical Outcomes After Total Knee Replacement? A Systematic Literature Review. Journal of Arthroplasty, 2013, 28, 740-746.	1.5	13
57	Can tibial plateau fractures be reduced and stabilised through an angiosome-sparing antero-lateral approach?. Injury, 2014, 45, 766-774.	0.7	13
58	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. Bone and Joint Journal, 2017, 99-B, 465-474.	1.9	13
59	Influence of stems and metaphyseal sleeve on primary stability of cementless revision tibial trays used to reconstruct AORI IIB defects. Journal of Orthopaedic Research, 2019, 37, 1033-1041.	1.2	12
60	General Assembly, Prevention, Surgical Site Preparation: Proceedings of International Consensus on Orthopedic Infections. Journal of Arthroplasty, 2019, 34, S85-S92.	1.5	12
61	Tibial insertion of the biceps femoris tendon: Anatomical and radiological description of an anatomical variant. Clinical Anatomy, 2008, 21, 802-804.	1.5	11
62	Accuracy of EBRAâ€cup measurements after reconstruction of severe acetabular defects at revision THR. Journal of Orthopaedic Research, 2020, 38, 1497-1505.	1.2	11
63	A Human Osteocyte Cell Line Model for Studying Staphylococcus aureus Persistence in Osteomyelitis. Frontiers in Cellular and Infection Microbiology, 2021, 11, 781022.	1.8	11
64	Tibial cartilage, subchondral bone plate and trabecular bone microarchitecture in varusâ€ and valgusâ€ osteoarthritis versus controls. Journal of Orthopaedic Research, 2021, 39, 1988-1999.	1.2	10
65	Patient Weight-bearing after Pelvic Fracture Surgeryâ€”A Systematic Review of the Literature: What is the Modern Evidence Base?. Strategies in Trauma and Limb Reconstruction, 2019, 14, 45-52.	0.2	10
66	The variation in hip stability measurements between supine and standing radiographs of dysplastic hips. Bone and Joint Journal, 2021, 103-B, 1662-1668.	1.9	9
67	Revision total hip arthroplasty using cemented collarless double-taper femoral components at a mean follow-up of 13 years (8 to 20). Bone and Joint Journal, 2015, 97-B, 1038-1045.	1.9	8
68	Structured-mentorship Program for Periacetabular Osteotomy Resulted in Few Complications for a Low-volume Pelvic Surgeon. Clinical Orthopaedics and Related Research, 2019, 477, 1126-1134.	0.7	8
69	A New Approach to Surgical Management of Tibial Plateau Fractures. Journal of Clinical Medicine, 2020, 9, 626.	1.0	8
70	Relationships between the Bone Expression of Alzheimerâ€™s Disease-Related Genes, Bone Remodelling Genes and Cortical Bone Structure in Neck of Femur Fracture. Calcified Tissue International, 2021, 108, 610-621.	1.5	8
71	The Effect of Hip Position on the Length of Trochanteric Muscles: Potential Implications for Early Postoperative Management of Hip Arthroplasty. Journal of Arthroplasty, 2012, 27, 953-960.e2.	1.5	7
72	Versatility of an Extended Posterior Approach for the Treatment of Acetabular Fractures With Reference to the Superior Gluteal Neurovascular Bundle. Journal of Orthopaedic Trauma, 2016, 30, e289-e293.	0.7	7

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73	Postoperative lower limb joint kinematics following tibial plateau fracture: A 2-year longitudinal study. <i>Gait and Posture</i> , 2021, 83, 20-25.	0.6	7
74	Impaction bone grafting of segmental bone defects in femoral non-unions. <i>Acta Orthopaedica Belgica</i> , 2013, 79, 64-70.	0.1	7
75	Piriformis muscle rupture during total hip arthroplasty using a muscle-preserving posterior approach. <i>Acta Orthopaedica Belgica</i> , 2013, 79, 616-9.	0.1	7
76	Long-Term Outcomes of Staged Revision Surgery for Chronic Periprosthetic Joint Infection of Total Hip Arthroplasty. <i>Journal of Clinical Medicine</i> , 2022, 11, 122.	1.0	7
77	Femoral Bone Is Preserved Using Cemented Polished Stems in Young Patients. <i>Clinical Orthopaedics and Related Research</i> , 2012, 470, 3024-3031.	0.7	6
78	The Variability of the Volume of Os Coxae and Linear Pelvic Morphometry. Considerations for Total Hip Arthroplasty. <i>Journal of Arthroplasty</i> , 2014, 29, 769-776.	1.5	6
79	The Distribution and Severity of Corrosion Damage at Eight Distinct Zones of Metallic Femoral Stem Implants. <i>Metals</i> , 2018, 8, 840.	1.0	6
80	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.	1.2	6
81	Elevated levels of active Transforming Growth Factor β 1 in the subchondral bone relate spatially to cartilage loss and impaired bone quality in human knee osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2022, 30, 896-907.	0.6	6
82	Osteological evidence of remote penetrating soft tissue trauma in skeletal remains. <i>Forensic Science, Medicine, and Pathology</i> , 2015, 11, 307-311.	0.6	5
83	Evidence for Gender-Specific Bone Loss Mechanisms in Periprosthetic Osteolysis. <i>Journal of Clinical Medicine</i> , 2020, 9, 53.	1.0	5
84	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.	1.5	5
85	Which Risk Factors Predict Knee Ligament Injuries in Severely Injured Patients?â€”Results from an International Multicenter Analysis. <i>Journal of Clinical Medicine</i> , 2020, 9, 1437.	1.0	5
86	Mechanisms of deaths in captive juvenile New Zealand fur seals (<i>Arctocephalus forsteri</i>). <i>Forensic Science, Medicine, and Pathology</i> , 2010, 6, 217-220.	0.6	4
87	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.	1.7	4
88	Time dependent loss of trabecular bone in human tibial plateau fractures. <i>Journal of Orthopaedic Research</i> , 2018, 36, 2865-2875.	1.2	4
89	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.	0.8	4
90	3D modelling of tibial plateau fractures: Variability in fracture location and characteristics across Schatzker fracture types. <i>Injury</i> , 2021, 52, 2415-2424.	0.7	4

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91	Collecting a comprehensive evidence base to monitor fracture rehabilitation: A case study. <i>World Journal of Orthopedics</i> , 2013, 4, 259.	0.8	4
92	Acetabular Component Migration Measured Using Radiostereometric Analysis Following Revision Total Hip Arthroplasty. <i>JBJS Reviews</i> , 2020, 8, e0170-e0170.	0.8	4
93	Surviving multi-trauma in the past. <i>ANZ Journal of Surgery</i> , 2010, 80, 912-916.	0.3	3
94	Emerging Ideas: Soft Tissue Applications of Radiostereometric Analysis. <i>Clinical Orthopaedics and Related Research</i> , 2011, 469, 1512-1516.	0.7	3
95	Defining the pubic symphysis angle with respect to the coronal plane – Clinical and biomechanical considerations. <i>Injury</i> , 2017, 48, 1714-1716.	0.7	3
96	Longitudinal changes in lower limb joint loading up to two years following tibial plateau fracture. <i>Gait and Posture</i> , 2020, 78, 72-79.	0.6	3
97	Does Time to Theatre Affect the Ability to Achieve Fracture Reduction in Tibial Plateau Fractures?. <i>Journal of Clinical Medicine</i> , 2022, 11, 138.	1.0	3
98	Non-Osseous Extra-Articular Anterolateral Talocalcaneal Coalition: A Case Report. <i>Journal of Orthopaedic Surgery</i> , 2007, 15, 91-93.	0.4	2
99	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.	0.8	2
100	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, 1040-1042.	0.7	2
101	Exposure of the Superior Gluteal Neurovascular Bundle for the Safe Application of Acetabular Reinforcement Cages in Complex Revisions. <i>HIP International</i> , 2016, 26, 307-309.	0.9	2
102	Investigating in vivo knee volumetric bone mineral density and walking gait mechanics in healthy people. <i>Bone</i> , 2021, 143, 115662.	1.4	2
103	A semiautomated method to quantitatively assess osteolytic lesion volume and bone mineral density within acetabular regions of interest from CT. <i>Journal of Orthopaedic Research</i> , 2022, 40, 396-408.	1.2	2
104	Changes in 24-Hour Physical Activity Patterns and Walking Gait Biomechanics After Primary Total Hip Arthroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2021, 103, 1166-1174.	1.4	2
105	Relationships between tibial articular cartilage, <i>in vivo</i> external joint moments and static alignment in end-stage knee osteoarthritis: A micro-CT study. <i>Journal of Orthopaedic Research</i> , 2022, 40, 1125-1134.	1.2	2
106	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> , 2022, 111, 430-444.	1.5	2
107	Early acetabular cartilage wear following hemiarthroplasty: An ovine model. <i>Veterinary and Comparative Orthopaedics and Traumatology</i> , 2016, 29, 125-130.	0.2	1
108	Complications of trans arterial embolization during the resuscitation of pelvic fractures. <i>Injury</i> , 2017, 48, 2724-2729.	0.7	1

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109	In Response:. Journal of Orthopaedic Trauma, 2011, 25, e84-e85.	0.7	0
110	Surgical Technique to Manage Periprosthetic Fractures of the Knee in Patients with Infected Leg Ulcers. JBJS Case Connector, 2019, 9, e0347-e0347.	0.1	0
111	Radiostereometric Analysis Allows Assessment of the Stability and Inducible Displacement of Pelvic Ring Disruptions during Healing: A Case Series. Journal of Clinical Medicine, 2020, 9, 3411.	1.0	0
112	Development and evaluation of a method to define a tibial coordinate system through the fitting of geometric primitives. International Biomechanics, 2021, 8, 12-18.	0.9	0
113	Impact of Computed Tomography Metal Artefact Reduction Protocol on Periprosthetic Tissue Characterisation after Total Hip Arthroplasty – A Cadaveric Study. Journal of Orthopaedic Research, 0, , .	1.2	0
114	Assigning trabecular bone material properties in finite element models simulating the pelvis before and after the development of peri-prosthetic osteolytic lesions. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 133, 105311.	1.5	0