

Michael Willey

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

503
citations

759233

12
h-index

794594

19
g-index

51
all docs

51
docs citations

51
times ranked

618
citing authors

#	ARTICLE	IF	CITATIONS
1	Joint contact stress improves in dysplastic hips after periacetabular osteotomy but remains higher than in normal hips. <i>HIP International</i> , 2023, 33, 298-305.	1.7	8
2	Effectiveness and acceptability of intranasal povidone-iodine decolonization among fracture fixation surgery patients to reduce <i>Staphylococcus aureus</i> nasal colonization. <i>Infection Control and Hospital Epidemiology</i> , 2023, 44, 982-984.	1.8	1
3	Biomechanical guidance can improve accuracy of reduction for intra-articular tibia plafond fractures and reduce joint contact stress. <i>Journal of Orthopaedic Research</i> , 2023, 41, 546-554.	2.3	3
4	Cam Morphology Is Associated With Increased Femoral Version: Findings From a Collection of 1,321 Cadaveric Femurs. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2022, 38, 831-836.	2.7	7
5	Chronically elevated contact stress exposure correlates with intra-articular cartilage degeneration in patients with concurrent acetabular dysplasia and femoroacetabular impingement. <i>Journal of Orthopaedic Research</i> , 2022, 40, 2632-2645.	2.3	10
6	Do Relaxin Levels Impact Hip Injury Incidence in Women? A Scoping Review. <i>Frontiers in Endocrinology</i> , 2022, 13, 827512.	3.5	8
7	Risk Factors for Composite Failure of Hip Dysplasia Treated With Periacetabular Osteotomy: A Minimum 10-Year Follow-up. <i>Journal of the American Academy of Orthopaedic Surgeons</i> , The, 2022, 30, e690-e702.	2.5	5
8	Conditionally Essential Amino Acid Supplementation Reduces Postoperative Complications and Muscle Wasting After Fracture Fixation. <i>Journal of Bone and Joint Surgery - Series A</i> , 2022, 104, 759-766.	3.0	10
9	FEAR index in predicting treatment among patients with femoroacetabular impingement and hip dysplasia and the relationship of femoral version. <i>Journal of Hip Preservation Surgery</i> , 2022, 9, 84-89.	1.3	2
10	Effect of modeling femoral version and head-neck offset correction on computed contact mechanics in dysplastic hips treated with periacetabular osteotomy. <i>Journal of Biomechanics</i> , 2022, 141, 111207.	2.1	2
11	Incidence of Heterotopic Ossification with NSAID Prophylaxis Is Low After Open and Arthroscopic Hip Preservation Surgery. <i>Arthroscopy, Sports Medicine, and Rehabilitation</i> , 2021, 3, e1309-e1314.	1.7	4
12	Radiographic Cam Morphology of the Hip May Be Associated with ACL Injury of the Knee: A Case-Control Study. <i>Arthroscopy, Sports Medicine, and Rehabilitation</i> , 2021, 3, e1165-e1170.	1.7	1
13	Abnormal Femoral Anteversion Is Associated With the Development of Hip Osteoarthritis: A Systematic Review and Meta-Analysis. <i>Arthroscopy, Sports Medicine, and Rehabilitation</i> , 2021, 3, e2047-e2058.	1.7	7
14	Hip Arthroscopy With and Without A Perineal Post: A Comparison of Early Postoperative Pain. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2021, 37, 2840-2845.	2.7	14
15	Sensitivity and specificity of modified RUST score using clinical and radiographic findings as a gold standard. <i>Bone & Joint Open</i> , 2021, 2, 796-805.	2.6	15
16	Femoral Version in Hip Arthroscopy: Does it Matter?. <i>Sports Medicine and Arthroscopy Review</i> , 2021, 29, 28-34.	2.3	13
17	Hip Arthroscopy Prior to Periacetabular Osteotomy Does Not Increase Operative Time or Complications: A Single Center Experience. <i>Iowa orthopaedic journal, The</i> , 2021, 41, 127-131.	0.5	1
18	Activity Level and Sport Type in Adolescents Correlate with the Development of Cam Morphology. <i>JBJS Open Access</i> , 2021, 6, .	1.5	3

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19	Changes in Muscle Volume and Composition After Treatment of Hip Dysplasia with Periacetabular Osteotomy.. Iowa orthopaedic journal, The, 2021, 41, 34-39.	0.5	0
20	Utilization of Physical Therapy Prior to Consultation for Hip Preservation Surgery.. Iowa orthopaedic journal, The, 2021, 41, 72-76.	0.5	1
21	Mobile Phone Administration of Hip-Specific Patient-Reported Outcome Instruments Correlates Highly With In-office Administration. Journal of the American Academy of Orthopaedic Surgeons, The, 2020, 28, e41-e46.	2.5	9
22	Assessment of Disability Related to Hip Dysplasia Using Objective Measures of Physical Performance. Orthopaedic Journal of Sports Medicine, 2020, 8, 232596712090329.	1.7	9
23	Weight-Bearing CT Scan After Tibial Pilon Fracture Demonstrates Significant Early Joint-Space Narrowing. Journal of Bone and Joint Surgery - Series A, 2020, 102, 796-803.	3.0	19
24	Acceptance and Commitment Therapy Delivered via a Mobile Phone Messaging Robot to Decrease Postoperative Opioid Use in Patients With Orthopedic Trauma: Randomized Controlled Trial. Journal of Medical Internet Research, 2020, 22, e17750.	4.3	28
25	Sarcopenia is Associated with Nonunion of Open Tibia and Ankle Fractures. Iowa orthopaedic journal, The, 2020, 40, 153-158.	0.5	0
26	Is the Actual Failure Rate of Hip Arthroscopy Higher Than Most Published Series? An Analysis of a Private Insurance Database. Iowa orthopaedic journal, The, 2020, 40, 135-142.	0.5	6
27	Improving Efficiency of Hip Fracture Care by Simplifying Wound Management and Eliminating Unnecessary Clinical Follow-Up. Iowa orthopaedic journal, The, 2020, 40, 147-151.	0.5	0
28	Early Total Hip Arthroplasty for the Treatment of Acetabular Fractures. The Journal of Hip Surgery, 2019, 03, 161-170.	0.1	1
29	Perioperative nutrition assessment in musculoskeletal trauma patients: Dietitian evaluation is superior to serum chemistries or modified screening questionnaire for risk stratification. Clinical Nutrition ESPEN, 2019, 29, 97-102.	1.2	5
30	Detailing postoperative pain and opioid utilization after periacetabular osteotomy with automated mobile messaging. Journal of Hip Preservation Surgery, 2019, 6, 370-376.	1.3	4
31	Validation of a novel hip arthroscopy simulator: establishing construct validity. Journal of Hip Preservation Surgery, 2019, 6, 385-389.	1.3	9
32	Patient Age and Hip Morphology Alter Joint Mechanics in Computational Models of Patients With Hip Dysplasia. Clinical Orthopaedics and Related Research, 2019, 477, 1235-1245.	1.5	13
33	Efficacy of Multimodal Analgesic Injections in Operatively Treated Ankle Fractures. Journal of Bone and Joint Surgery - Series A, 2019, 101, 2194-2202.	3.0	4
34	Reliability and Validity of A-Mode Ultrasound to Quantify Body Composition. Journal of Orthopaedic Trauma, 2019, 33, 472-477.	1.4	13
35	Outcomes of Surgical Management of Borderline Hip Dysplasia: A Systematic Review. Iowa orthopaedic journal, The, 2019, 39, 40-48.	0.5	2
36	Targeting mitochondrial responses to intra-articular fracture to prevent posttraumatic osteoarthritis. Science Translational Medicine, 2018, 10, .	12.4	69

#	ARTICLE	IF	CITATIONS
37	Discrete element analysis is a valid method for computing joint contact stress in the hip before and after acetabular fracture. <i>Journal of Biomechanics</i> , 2018, 67, 9-17.	2.1	20
38	Unaddressed Cam Deformity Is Associated with Elevated Joint Contact Stress After Periacetabular Osteotomy. <i>Journal of Bone and Joint Surgery - Series A</i> , 2018, 100, e131.	3.0	15
39	Epidemiology and Detrimental Impact of Opioid Use in Patients Undergoing Arthroscopic Treatment of Femoroacetabular Impingement Syndrome. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2018, 34, 2832-2836.	2.7	22
40	Acute Periacetabular Osteotomy for Recurrent Posttraumatic Dislocation of the Hip. <i>JBJS Case Connector</i> , 2018, 8, e39-e39.	0.3	3
41	Joint contact stresses calculated for acetabular dysplasia patients using discrete element analysis are significantly influenced by the applied gait pattern. <i>Journal of Biomechanics</i> , 2018, 79, 45-53.	2.1	18
42	Efficacy of Surgical-Site, Multimodal Drug Injection Following Operative Management of Femoral Fractures. <i>Journal of Bone and Joint Surgery - Series A</i> , 2017, 99, 512-519.	3.0	32
43	Comparison of Outcomes and Complications of Isolated Acetabular Fractures and Acetabular Fractures With Associated Injuries. <i>Journal of Orthopaedic Trauma</i> , 2017, 31, 31-36.	1.4	24
44	Development of a Simplified Ankle Distractor. , 2017, 2017, .		0
45	Impact of Infection on Fracture Fixation. <i>Orthopedic Clinics of North America</i> , 2016, 47, 357-364.	1.2	19
46	Surgically oriented measurements for three-dimensional characterization of tunnel placement in anterior cruciate ligament reconstruction. <i>Computer Aided Surgery</i> , 2012, 17, 221-231.	1.8	6
47	Reliability of Early Postoperative Radiographic Assessment of Tunnel Placement After Anterior Cruciate Ligament Reconstruction. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2012, 28, 942-951.	2.7	22
48	Complications associated with realignment osteotomy of the knee performed simultaneously with additional reconstructive procedures. <i>Iowa orthopaedic journal, The</i> , 2010, 30, 55-60.	0.5	15