

# 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	Targeting mitochondrial responses to intra-articular fracture to prevent posttraumatic osteoarthritis. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	69
2	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
3	Acceptance and Commitment Therapy Delivered via a Mobile Phone Messaging Robot to Decrease Postoperative Opioid Use in Patients With Orthopedic Trauma: Randomized Controlled Trial. <i>Journal of Medical Internet Research</i> , 2020, 22, e17750.	4.3	28
4	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
5	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
6	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
7	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
8	Impact of Infection on Fracture Fixation. <i>Orthopedic Clinics of North America</i> , 2016, 47, 357-364.	1.2	19
9	Weight-Bearing CT Scan After Tibial Pilon Fracture Demonstrates Significant Early Joint-Space Narrowing. <i>Journal of Bone and Joint Surgery - Series A</i> , 2020, 102, 796-803.	3.0	19
10	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
11	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
12	Sensitivity and specificity of modified RUST score using clinical and radiographic findings as a gold standard. <i>Bone &amp; Joint Open</i> , 2021, 2, 796-805.	2.6	15
13	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
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	Patient Age and Hip Morphology Alter Joint Mechanics in Computational Models of Patients With Hip Dysplasia. <i>Clinical Orthopaedics and Related Research</i> , 2019, 477, 1235-1245.	1.5	13
16	Reliability and Validity of A-Mode Ultrasound to Quantify Body Composition. <i>Journal of Orthopaedic Trauma</i> , 2019, 33, 472-477.	1.4	13
17	Femoral Version in Hip Arthroscopy: Does it Matter?. <i>Sports Medicine and Arthroscopy Review</i> , 2021, 29, 28-34.	2.3	13
18	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

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19	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
20	Validation of a novel hip arthroscopy simulator: establishing construct validity. <i>Journal of Hip Preservation Surgery</i> , 2019, 6, 385-389.	1.3	9
21	Mobile Phone Administration of Hip-Specific Patient-Reported Outcome Instruments Correlates Highly With In-office Administration. <i>Journal of the American Academy of Orthopaedic Surgeons, The</i> , 2020, 28, e41-e46.	2.5	9
22	Assessment of Disability Related to Hip Dysplasia Using Objective Measures of Physical Performance. <i>Orthopaedic Journal of Sports Medicine</i> , 2020, 8, 232596712090329.	1.7	9
23	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
24	Do Relaxin Levels Impact Hip Injury Incidence in Women? A Scoping Review. <i>Frontiers in Endocrinology</i> , 2022, 13, 827512.	3.5	8
25	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
26	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
27	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
28	Is the Actual Failure Rate of Hip Arthroscopy Higher Than Most Published Series? An Analysis of a Private Insurance Database. <i>Iowa orthopaedic journal, The</i> , 2020, 40, 135-142.	0.5	6
29	Perioperative nutrition assessment in musculoskeletal trauma patients: Dietitian evaluation is superior to serum chemistries or modified screening questionnaire for risk stratification. <i>Clinical Nutrition ESPEN</i> , 2019, 29, 97-102.	1.2	5
30	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, The</i> , 2022, 30, e690-e702.	2.5	5
31	Detailing postoperative pain and opioid utilization after periacetabular osteotomy with automated mobile messaging. <i>Journal of Hip Preservation Surgery</i> , 2019, 6, 370-376.	1.3	4
32	Efficacy of Multimodal Analgesic Injections in Operatively Treated Ankle Fractures. <i>Journal of Bone and Joint Surgery - Series A</i> , 2019, 101, 2194-2202.	3.0	4
33	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
34	Acute Periacetabular Osteotomy for Recurrent Posttraumatic Dislocation of the Hip. <i>JBJS Case Connector</i> , 2018, 8, e39-e39.	0.3	3
35	Activity Level and Sport Type in Adolescents Correlate with the Development of Cam Morphology. <i>JBJS Open Access</i> , 2021, 6, .	1.5	3
36	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

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37	Outcomes of Surgical Management of Borderline Hip Dysplasia: A Systematic Review. Iowa orthopaedic journal, The, 2019, 39, 40-48.	0.5	2
38	FEAR index in predicting treatment among patients with femoroacetabular impingement and hip dysplasia and the relationship of femoral version. Journal of Hip Preservation Surgery, 2022, 9, 84-89.	1.3	2
39	Effect of modeling femoral version and head-neck offset correction on computed contact mechanics in dysplastic hips treated with periacetabular osteotomy. Journal of Biomechanics, 2022, 141, 111207.	2.1	2
40	Early Total Hip Arthroplasty for the Treatment of Acetabular Fractures. The Journal of Hip Surgery, 2019, 03, 161-170.	0.1	1
41	Radiographic Cam Morphology of the Hip May Be Associated with ACL Injury of the Knee: A Case-Control Study. Arthroscopy, Sports Medicine, and Rehabilitation, 2021, 3, e1165-e1170.	1.7	1
42	Hip Arthroscopy Prior to Periacetabular Osteotomy Does Not Increase Operative Time or Complications: A Single Center Experience. Iowa orthopaedic journal, The, 2021, 41, 127-131.	0.5	1
43	Utilization of Physical Therapy Prior to Consultation for Hip Preservation Surgery.. Iowa orthopaedic journal, The, 2021, 41, 72-76.	0.5	1
44	Effectiveness and acceptability of intranasal povidone-iodine decolonization among fracture fixation surgery patients to reduce <i>Staphylococcus aureus</i> nasal colonization. Infection Control and Hospital Epidemiology, 2023, 44, 982-984.	1.8	1
45	Development of a Simplified Ankle Distractor. , 2017, 2017, .		0
46	Sarcopenia is Associated with Nonunion of Open Tibia and Ankle Fractures. Iowa orthopaedic journal, The, 2020, 40, 153-158.	0.5	0
47	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
48	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