

# Cody C Wyles

## List of Publications by Year in descending order

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105  
papers

2,407  
citations

186265

28  
h-index

254184

43  
g-index

105  
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105  
docs citations

105  
times ranked

2665  
citing authors

#	ARTICLE	IF	CITATIONS
1	The John Charnley Award: Redefining the Natural History of Osteoarthritis in Patients With Hip Dysplasia and Impingement. <i>Clinical Orthopaedics and Related Research</i> , 2017, 475, 336-350.	1.5	191
2	Decreased Osteogenic Activity of Mesenchymal Stem Cells in Patients With Corticosteroid-Induced Osteonecrosis of the Femoral Head. <i>Journal of Arthroplasty</i> , 2016, 31, 893-898.	3.1	87
3	Cam Deformities and Limited Hip Range of Motion Are Associated With Early Osteoarthritic Changes in Adolescent Athletes: A Prospective Matched Cohort Study. <i>American Journal of Sports Medicine</i> , 2017, 45, 3036-3043.	4.2	82
4	The 2018 Chitranjan S. Ranawat, MD Award: Developing and Implementing a Novel Institutional Guideline Strategy Reduced Postoperative Opioid Prescribing After TKA and THA. <i>Clinical Orthopaedics and Related Research</i> , 2019, 477, 104-113.	1.5	80
5	High Rate of Infection After Aseptic Revision of Failed Metal-on-Metal Total Hip Arthroplasty. <i>Clinical Orthopaedics and Related Research</i> , 2014, 472, 509-516.	1.5	72
6	Utility of Synovial Fluid Aspirations in Failed Metal-On-Metal Total Hip Arthroplasty. <i>Journal of Arthroplasty</i> , 2013, 28, 818-823.	3.1	61
7	Mesenchymal stem cell therapy for osteoarthritis: current perspectives. <i>Stem Cells and Cloning: Advances and Applications</i> , 2015, 8, 117.	2.3	61
8	Natural History of the Dysplastic Hip Following Modern Periacetabular Osteotomy. <i>Journal of Bone and Joint Surgery - Series A</i> , 2019, 101, 932-938.	3.0	61
9	Antibacterial and Biocompatible Titanium-Copper Oxide Coating May Be a Potential Strategy to Reduce Periprosthetic Infection: An In Vitro Study. <i>Clinical Orthopaedics and Related Research</i> , 2017, 475, 722-732.	1.5	55
10	Long term outcomes of cemented endoprosthetic reconstruction for periarticular tumors of the distal femur. <i>Knee</i> , 2016, 23, 167-172.	1.6	53
11	The Chitranjan Ranawat Award: Running Subcuticular Closure Enables the Most Robust Perfusion After TKA: A Randomized Clinical Trial. <i>Clinical Orthopaedics and Related Research</i> , 2016, 474, 47-56.	1.5	53
12	A Deep Learning Tool for Automated Radiographic Measurement of Acetabular Component Inclination and Version After Total Hip Arthroplasty. <i>Journal of Arthroplasty</i> , 2021, 36, 2510-2517.e6.	3.1	52
13	Declines in Drp1 and Parkin Expression Underlie DNA Damage-Induced Changes in Mitochondrial Length and Neuronal Death. <i>Journal of Neuroscience</i> , 2013, 33, 1357-1365.	3.6	51
14	Stem Cells Combined With Platelet-rich Plasma Effectively Treat Corticosteroid-induced Osteonecrosis of the Hip: A Prospective Study. <i>Clinical Orthopaedics and Related Research</i> , 2018, 476, 388-397.	1.5	51
15	Use of Natural Language Processing Algorithms to Identify Common Data Elements in Operative Notes for Total Hip Arthroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2019, 101, 1931-1938.	3.0	50
16	Differential Cytotoxicity of Corticosteroids on Human Mesenchymal Stem Cells. <i>Clinical Orthopaedics and Related Research</i> , 2015, 473, 1155-1164.	1.5	49
17	There Are No Differences in Short- to Mid-term Survivorship Among Total Hip-bearing Surface Options: A Network Meta-analysis. <i>Clinical Orthopaedics and Related Research</i> , 2015, 473, 2031-2041.	1.5	47
18	Adipose-derived Mesenchymal Stem Cells Are Phenotypically Superior for Regeneration in the Setting of Osteonecrosis of the Femoral Head. <i>Clinical Orthopaedics and Related Research</i> , 2015, 473, 3080-3090.	1.5	47

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19	New Options for Vascularized Bone Reconstruction in the Upper Extremity. <i>Seminars in Plastic Surgery</i> , 2015, 29, 020-029.	2.1	42
20	Collagen and Fractionated Platelet-Rich Plasma Scaffold for Dermal Regeneration. <i>Plastic and Reconstructive Surgery</i> , 2016, 137, 1498-1506.	1.4	41
21	Long-Term Results of Total Knee Arthroplasty with Contemporary Distal Femoral Replacement. <i>Journal of Bone and Joint Surgery - Series A</i> , 2020, 102, 45-51.	3.0	39
22	Use of Natural Language Processing Tools to Identify and Classify Periprosthetic Femur Fractures. <i>Journal of Arthroplasty</i> , 2019, 34, 2216-2219.	3.1	38
23	Single-Anesthetic Versus Staged Bilateral Total Hip Arthroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2017, 99, 48-54.	3.0	36
24	Allgöwerâ€œDonati Versus Vertical Mattress Suture Technique Impact on Perfusion in Ankle Fracture Surgery: A Randomized Clinical Trial Using Intraoperative Angiography. <i>Journal of Orthopaedic Trauma</i> , 2017, 31, 97-102.	1.4	35
25	Total Hip Arthroplasty in Patients with Cerebral Palsy. <i>Journal of Bone and Joint Surgery - Series A</i> , 2017, 99, 488-493.	3.0	34
26	Stem cell treatment for avascular necrosis of the femoral head: current perspectives. <i>Stem Cells and Cloning: Advances and Applications</i> , 2014, 7, 65.	2.3	33
27	Deep Learning Artificial Intelligence Model for Assessment of Hip Dislocation Risk Following Primary Total Hip Arthroplasty From Postoperative Radiographs. <i>Journal of Arthroplasty</i> , 2021, 36, 2197-2203.e3.	3.1	32
28	Implementation of Procedure-Specific Opioid Guidelines. <i>JBJS Open Access</i> , 2020, 5, e0050.	1.5	30
29	More Predictable Return of Motor Function with Mepivacaine Versus Bupivacaine Spinal Anesthetic in Total Hip and Total Knee Arthroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2020, 102, 1609-1615.	3.0	29
30	Thirty-Day Major and Minor Complications Following Total Hip Arthroplastyâ€œA Comparison of the Direct Anterior, Lateral, and Posterior Approaches. <i>Journal of Arthroplasty</i> , 2019, 34, 2681-2685.	3.1	28
31	Functional and oncologic outcome of cemented endoprosthesis for malignant proximal femoral tumors. <i>Journal of Surgical Oncology</i> , 2016, 114, 501-506.	1.7	27
32	All-Polyethylene Tibial Components: An Analysis of Long-Term Outcomes and Infection. <i>Journal of Arthroplasty</i> , 2016, 31, 1476-1482.	3.1	27
33	Synchrotron analysis of human organ tissue exposed to implant material. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 46, 128-137.	3.0	27
34	Rotating-Hinge Revision Total Knee Arthroplasty for Treatment of Severe Arthrofibrosis. <i>Journal of Arthroplasty</i> , 2019, 34, S271-S276.	3.1	27
35	Hitting the Target: Natural History of the Hip Based on Achieving an Acetabular Safe Zone Following Periacetabular Osteotomy. <i>Journal of Bone and Joint Surgery - Series A</i> , 2020, 102, 1734-1740.	3.0	27
36	Automated Detection of Periprosthetic Joint Infections and Data Elements Using Natural Language Processing. <i>Journal of Arthroplasty</i> , 2021, 36, 688-692.	3.1	27

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37	Durability of Hemiarthroplasty for Pathologic Proximal Femur Fractures. <i>Journal of Arthroplasty</i> , 2017, 32, 3607-3610.	3.1	26
38	In Vivo Corrosion of Modular Dual-Mobility Implants: A Retrieval Study. <i>Journal of Arthroplasty</i> , 2020, 35, 3326-3329.	3.1	25
39	Extended Trochanteric Osteotomy in Revision Total Hip Arthroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2021, 103, 162-173.	3.0	22
40	Intraoperative Angiography Provides Objective Assessment of Skin Perfusion in Complex Knee Reconstruction. <i>Clinical Orthopaedics and Related Research</i> , 2015, 473, 82-89.	1.5	21
41	Myocardial Cobalt Levels Are Elevated in the Setting of Total Hip Arthroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2017, 99, e118.	3.0	21
42	Revision Total Hip Arthroplasty for the Treatment of Fracture: More Expensive, More Complications, Same Diagnosis-Related Groups. <i>Journal of Bone and Joint Surgery - Series A</i> , 2019, 101, 912-919.	3.0	20
43	Increased Femoral Head Offset is Associated With Elevated Metal Ions in Asymptomatic Patients With Metal-on-Polyethylene Total Hip Arthroplasty. <i>Journal of Arthroplasty</i> , 2016, 31, 2814-2818.	3.1	19
44	Long-term outcome of knee arthroplasty in the setting of pigmented villonodular synovitis. <i>Knee</i> , 2017, 24, 851-855.	1.6	19
45	Long-Term Outcomes of Pedicled Gastrocnemius Flaps in Total Knee Arthroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2018, 100, 850-856.	3.0	19
46	Intraoperative Fracture During Aseptic Revision Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2014, 29, 2187-2191.	3.1	18
47	The Rapidly Assessed Predictor of Intraoperative Damage (RAPID) Score: An In-Clinic Predictive Model for High-Grade Acetabular Chondrolabral Disruption. <i>Orthopaedic Journal of Sports Medicine</i> , 2018, 6, 232596711879906.	1.7	16
48	Cobalt and Chromium Ion Release in Metal-on-Polyethylene and Ceramic-on-Polyethylene THA: A Simulator Study With Cellular and Microbiological Correlations. <i>Journal of Arthroplasty</i> , 2020, 35, 1123-1129.	3.1	15
49	High Rate of Local Recurrence and Complications Following Total Knee Arthroplasty in the Setting of Synovial Chondromatosis. <i>Journal of Arthroplasty</i> , 2017, 32, 2147-2150.	3.1	14
50	What Factors Are Predictive of Outcome in the Treatment of Soft Tissue Sarcomas of the Foot and Ankle?. <i>Foot and Ankle Specialist</i> , 2017, 10, 12-19.	1.0	14
51	Long-Term Outcome of Hip Arthroplasty in the Setting of Pigmented Villonodular Synovitis. <i>Journal of Arthroplasty</i> , 2018, 33, 1467-1471.	3.1	14
52	Epidemiology of Hand and Wrist Injuries in NCAA Men's Football: 2009-2010 to 2013-2014. <i>Orthopaedic Journal of Sports Medicine</i> , 2019, 7, 232596711983537.	1.7	14
53	Lymphedema: A Significant Risk Factor for Infection and Implant Failure After Total Knee Arthroplasty. <i>Journal of the American Academy of Orthopaedic Surgeons</i> , The, 2020, 28, 996-1002.	2.5	13
54	Redefining the 3D Topography of the Acetabular Safe Zone. <i>Journal of Bone and Joint Surgery - Series A</i> , 2022, 104, 239-245.	3.0	13

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55	Arthroscopy and arthrotomy to address intra-articular pathology during PAO for hip dysplasia demonstrates similar short-term outcomes. <i>Journal of Hip Preservation Surgery</i> , 2018, 5, 282-295.	1.3	12
56	Cost and Patient Outcomes Associated With Bilateral Total Knee Arthroplasty Performed by 2-Surgeon Teams vs a Single Surgeon. <i>Journal of Arthroplasty</i> , 2019, 34, 671-675.	3.1	12
57	Osteonecrosis of the femoral head: treatment with ancillary growth factors. <i>Current Reviews in Musculoskeletal Medicine</i> , 2015, 8, 233-239.	3.5	11
58	Use of a Modular Tapered Fluted Femoral Component in Revision Total Hip Arthroplasty Following Resection of a Previously Infected Total Hip: Minimum 5-year Follow-Up. <i>Journal of Arthroplasty</i> , 2015, 30, 435-438.	3.1	11
59	Metal or Modularity: Why Do Metal-Backed Tibias Have Inferior Outcomes to All-Polyethylene Tibial Components in Patients With Osteoarthritis. <i>Journal of Arthroplasty</i> , 2017, 32, 836-842.	3.1	11
60	Long-Term Outcome of Hip Arthroplasty in the Setting of Synovial Chondromatosis. <i>Journal of Arthroplasty</i> , 2018, 33, 2173-2176.	3.1	11
61	Creation of a Total Hip Arthroplasty Patient-Specific Dislocation Risk Calculator. <i>Journal of Bone and Joint Surgery - Series A</i> , 2022, 104, 1068-1080.	3.0	11
62	Single-Dose Perioperative Antibiotics Do Not Increase the Risk of Surgical Site Infection in Unicompartamental Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2019, 34, S327-S330.	3.1	10
63	Effect of dislocation timing following primary total hip arthroplasty on the risk of redislocation and revision. <i>HIP International</i> , 2019, 29, 489-495.	1.7	10
64	CORR <sup>®</sup> ORS Richard A. Brand Award: Disruption in Peroxisome Proliferator-Activated Receptor- $\beta$ (PPAR $\beta$ ) Increases Osteonecrosis Risk Through Genetic Variance and Pharmacologic Modulation. <i>Clinical Orthopaedics and Related Research</i> , 2019, 477, 1800-1812.	1.5	10
65	Outcomes of Primary Total Knee Arthroplasty Following Septic Arthritis of the Native Knee. <i>Journal of Bone and Joint Surgery - Series A</i> , 2021, 103, 1685-1693.	3.0	10
66	Reverse Medial Hemisoleus Flaps for Coverage of Distal Third Leg Wounds. <i>Journal of Orthopaedic Trauma</i> , 2016, 30, e138-e142.	1.4	9
67	Total Knee Arthroplasty Is Safe and Successful in Patients With Klippel-Tränaunay Syndrome. <i>Journal of Arthroplasty</i> , 2019, 34, 682-685.	3.1	9
68	Outcomes of knee arthroplasty for primary treatment of pathologic peri-articular fractures of the distal femur and proximal tibia. <i>International Orthopaedics</i> , 2020, 44, 187-193.	1.9	9
69	Patient Opioid Requirements Are Often Far Less Than Their Discharge Prescription After Orthopaedic Surgery: the Results of a Prospective Multicenter Survey. <i>Journal of the American Academy of Orthopaedic Surgeons</i> , The, 2021, 29, e345-e353.	2.5	9
70	Deep Learning for Radiographic Measurement of Femoral Component Subsidence Following Total Hip Arthroplasty. <i>Radiology: Artificial Intelligence</i> , 2022, 4, .	5.8	9
71	Outcomes of Primary Total Knee Arthroplasty in Patients With Ehlers-Danlos Syndromes. <i>Journal of Arthroplasty</i> , 2019, 34, 315-318.	3.1	8
72	Orthopedic Surgery and Anesthesiology Surgical Improvement Strategies Project: Phase I Outcomes. <i>Journal of Arthroplasty</i> , 2021, 36, 823-829.	3.1	7

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73	Anatomical feasibility of the anterior obturator nerve transfer to restore bowel and bladder function. <i>Microsurgery</i> , 2014, 34, 459-463.	1.3	6
74	Orthopedic Surgery and Anesthesiology Surgical Improvement Strategies Projectâ€”Phase II Outcomes. <i>Journal of Arthroplasty</i> , 2021, 36, 1849-1856.	3.1	6
75	Costs of open, arthroscopic and combined surgery for developmental dysplasia of the hip. <i>Journal of Hip Preservation Surgery</i> , 2021, 7, 570-574.	1.3	6
76	Use of tranexamic acid is not associated with complications following bipolar hemiarthroplasty for metastatic disease. <i>Journal of Surgical Oncology</i> , 2021, 123, 1121-1125.	1.7	6
77	Ceramic Femoral Heads for All Patients? An Argument for Cost Containment in Hip Surgery. <i>American Journal of Orthopedics</i> , 2016, 45, E362-E366.	0.7	6
78	Distribution and Correlates of Hip-Knee-Ankle Angle in Early Osteoarthritis and Preoperative Total Knee Arthroplasty Patients. <i>Journal of Arthroplasty</i> , 2022, 37, S170-S175.	3.1	6
79	Proposed surgical technique to facilitate targeted reinnervation of the infraspinatus: A cadaveric feasibility study. <i>Clinical Anatomy</i> , 2019, 32, 131-136.	2.7	5
80	Total Hip Arthroplasty Reduces Pain and Improves Function in Patients With Spondyloepiphyseal Dysplasia: A Long-Term Outcome Study of 50 Cases. <i>Journal of Arthroplasty</i> , 2019, 34, 517-521.	3.1	5
81	Point/Counterpoint: Nonarticulating vs Articulating Spacers for Resection Arthroplasty of the Knee or Hip. <i>Journal of Arthroplasty</i> , 2020, 35, S40-S44.	3.1	5
82	Impact of Perioperative Pain Control on Knee Range of Motion and Development of Arthrofibrosis Following Primary Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2021, 36, 532-536.	3.1	5
83	Free Flap Coverage for Complex Primary and Revision Total Knee Arthroplasty. <i>Plastic and Reconstructive Surgery</i> , 2021, 148, 804e-810e.	1.4	5
84	Hip decompression combined with bone marrow concentrate and platelet-rich plasma for corticosteroid-induced osteonecrosis of the femoral head. <i>Bone &amp; Joint Open</i> , 2021, 2, 926-931.	2.6	5
85	Varus-valgus constrained insert with posterior-stabilized femoral components in complex primary total knee arthroplasties. <i>Bone &amp; Joint Open</i> , 2021, 2, 921-925.	2.6	5
86	Outcomes of primary total hip arthroplasty following septic arthritis of the hip. <i>Bone and Joint Journal</i> , 2022, 104-B, 227-234.	4.4	5
87	Changing Surgical Approach From Primary to Revision Total Hip Arthroplasty Is Not Associated With Increased Risk of Dislocation or Re-Revisions. <i>Journal of Arthroplasty</i> , 2022, 37, S622-S627.	3.1	5
88	Late Complications and Long-Term Outcomes following Aseptic Revision of a Hip Arthroplasty Performed for Oncological Resection. <i>HIP International</i> , 2015, 25, 428-434.	1.7	4
89	Impact of Perioperative Fluid Administration on Postoperative Morbidity and Length of Hospital Stay Following Maxillomandibular Advancement for Obstructive Sleep Apnea. <i>Journal of Oral and Maxillofacial Surgery</i> , 2015, 73, 1372-1383.	1.2	4
90	Adiposeâ€”Derived Mesenchymal Stem Cell Features in Patients with a History of Head and Neck Radiation. <i>Laryngoscope Investigative Otolaryngology</i> , 2016, 1, 36-41.	1.5	4

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91	InÂVivo Corrosion of Sleeved Ceramic Femoral Heads: A Retrieval Study. Journal of Arthroplasty, 2021, 36, 1133-1137.	3.1	4
92	Incidence of Leg-Length Discrepancy After Index Hinge Total Knee Arthroplasty. Journal of Arthroplasty, 2021, 36, 1607-1610.	3.1	4
93	Incidence and risk factors for hardware removal following periacetabular osteotomy and its association with clinical outcomes. HIP International, 2021, 31, 410-416.	1.7	4
94	Addressing intraarticular pathology at the time of anteverting periacetabular osteotomy for acetabular retroversion is associated with better short-term patient-reported outcomes. Journal of Hip Preservation Surgery, 2021, 8, 90-104.	1.3	4
95	Prevalence of groin pain after primary dual-mobility total hip arthroplasty. HIP International, 2023, 33, 214-220.	1.7	4
96	Synovial Fluid Metal Ion Levels are Superior to Blood Metal Ion Levels in Predicting an Adverse Local Tissue Reaction in Failed Total Hip Arthroplasty. Journal of Arthroplasty, 2021, 36, 3312-3317.e1.	3.1	3
97	Lymphedema Is a Significant Risk Factor for Failure After Primary Total Hip Arthroplasty. Journal of Bone and Joint Surgery - Series A, 2022, 104, 55-61.	3.0	3
98	TÃ¶nnis Grade 1 dysplastic hips have improved patient-reported outcome scores when intraarticular pathology is treated during periacetabular osteotomy. Journal of Hip Preservation Surgery, 2021, 8, 282-292.	1.3	2
99	CORR InsightsÂ®: Is the Preoperative Use of Antidepressants and Benzodiazepines Associated with Opioid and Other Analgesic Use After Hip and Knee Arthroplasty?. Clinical Orthopaedics and Related Research, 2021, 479, 2281-2283.	1.5	1
100	Utility of the ACSâ€NSQIP surgical risk calculator in predicting postoperative complications in patients undergoing oncologic proximal femoral replacement. Journal of Surgical Oncology, 2021, 124, 852-857.	1.7	1
101	Reply to the Letter to the Editor: The Chitranjan Ranawat Award: Running Subcuticular Closure Enables the Most Robust Perfusion After TKA: A Randomized Clinical Trial. Clinical Orthopaedics and Related Research, 2017, 475, 2343-2345.	1.5	0
102	Reply to the Letter to the Editor: Stem Cells Combined With Platelet-rich Plasma Effectively Treat Corticosteroid-induced Osteonecrosis of the Hip: A Prospective Study. Clinical Orthopaedics and Related Research, 2018, 476, 1129-1130.	1.5	0
103	Response to Letter to the Editor on â€œCobalt and Chromium Ion Release in Metal-on-Polyethylene and Ceramic-on-Polyethylene THA: A Simulator Study With Cellular and Microbiological Correlationsâ€: Journal of Arthroplasty, 2020, 35, 1167.	3.1	0
104	Abstract 17269: Incidence of Atrial Fibrillation in Patients With Cobalt and Chromium Containing Hip Arthroplasty. Circulation, 2018, 138, .	1.6	0
105	Abstract 17289: Incidence of Cardiomyopathy and Mortality in Patients With Cobalt and Chromium Metal Hip Arthroplasty. Circulation, 2018, 138, .	1.6	0