

# Aaron J Buckland

## List of Publications by Year in descending order

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Version: 2024-02-01

82  
papers

1,650  
citations

361413

20  
h-index

345221

36  
g-index

82  
all docs

82  
docs citations

82  
times ranked

1352  
citing authors

#	ARTICLE	IF	CITATIONS
1	Total Hip Arthroplasty in the Spinal Deformity Population: Does Degree of Sagittal Deformity Affect Rates of Safe Zone Placement, Instability, or Revision?. Journal of Arthroplasty, 2017, 32, 1910-1917.	3.1	171
2	Acetabular Anteversion Changes Due to Spinal Deformity Correction: Bridging the Gap Between Hip and Spine Surgeons. Journal of Bone and Joint Surgery - Series A, 2015, 97, 1913-1920.	3.0	165
3	Prosthetic Dislocation and Revision After Primary Total Hip Arthroplasty in Lumbar Fusion Patients: A Propensity Score Matched-Pair Analysis. Journal of Arthroplasty, 2017, 32, 1635-1640.e1.	3.1	128
4	Comparative Analysis of Two Transforaminal Lumbar Interbody Fusion Techniques. Spine, 2019, 44, E555-E560.	2.0	81
5	Single position circumferential fusion improves operative efficiency, reduces complications and length of stay compared with traditional circumferential fusion. Spine Journal, 2021, 21, 810-820.	1.3	59
6	2021 Otto Aufranc Award: A simple Hip-Spine Classification for total hip arthroplasty. Bone and Joint Journal, 2021, 103-B, 17-24.	4.4	59
7	Body mass index predicts risk of complications in lumbar spine surgery based on surgical invasiveness. Spine Journal, 2018, 18, 1204-1210.	1.3	52
8	When is compensation for lumbar spinal stenosis a clinical sagittal plane deformity?. Spine Journal, 2016, 16, 971-981.	1.3	39
9	Prevalence of Sagittal Spinal Deformity Among Patients Undergoing Total Hip Arthroplasty. Journal of Arthroplasty, 2020, 35, 160-165.	3.1	38
10	Spinopelvic Compensatory Mechanisms for Reduced Hip Motion (ROM) in the Setting of Hip Osteoarthritis. Spine Deformity, 2019, 7, 923-928.	1.5	37
11	Differentiating Hip Pathology From Lumbar Spine Pathology: Key Points of Evaluation and Management. Journal of the American Academy of Orthopaedic Surgeons, The, 2017, 25, e23-e34.	2.5	36
12	The impact of obesity on compensatory mechanisms in response to progressive sagittal malalignment. Spine Journal, 2017, 17, 681-688.	1.3	33
13	Effects of Sagittal Spinal Alignment on Postural Pelvic Mobility in Total Hip Arthroplasty Candidates. Journal of Arthroplasty, 2019, 34, 2663-2668.	3.1	32
14	Incidence of perioperative medical complications and mortality among elderly patients undergoing surgery for spinal deformity: analysis of 3519 patients. Journal of Neurosurgery: Spine, 2017, 27, 534-539.	1.7	31
15	Thoracolumbar Realignment Surgery Results in Simultaneous Reciprocal Changes in Lower Extremities and Cervical Spine. Spine, 2017, 42, 799-807.	2.0	30
16	Minimally Invasive Versus Open Transforaminal Lumbar Interbody Fusion Surgery: An Analysis of Opioids, Nonopioid Analgesics, and Perioperative Characteristics. Global Spine Journal, 2019, 9, 624-629.	2.3	30
17	Radiological severity of hip osteoarthritis in patients with adult spinal deformity: the effect on spinopelvic and lower extremity compensatory mechanisms. European Spine Journal, 2018, 27, 2294-2302.	2.2	27
18	Should Sagittal Spinal Alignment Targets for Adult Spinal Deformity Correction Depend on Pelvic Incidence and Age?. Spine, 2020, 45, 250-257.	2.0	27

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19	The use of tranexamic acid in adult spinal deformity: is there an optimal dosing strategy?. Spine Journal, 2019, 19, 1690-1697.	1.3	25
20	A cost benefit analysis of increasing surgical technology in lumbar spine fusion. Spine Journal, 2021, 21, 193-201.	1.3	25
21	Psoas Morphology Differs between Supine and Sitting Magnetic Resonance Imaging Lumbar Spine: Implications for Lateral Lumbar Interbody Fusion. Asian Spine Journal, 2018, 12, 29-36.	2.0	22
22	Ponte Osteotomies Increase the Risk of Neuromonitoring Alerts in Adolescent Idiopathic Scoliosis Correction Surgery. Spine, 2019, 44, E175-E180.	2.0	21
23	Expandable cages increase the risk of intraoperative subsidence but do not improve perioperative outcomes in single level transforaminal lumbar interbody fusion. Spine Journal, 2021, 21, 37-44.	1.3	21
24	Single position lateral decubitus anterior lumbar interbody fusion (ALIF) and posterior fusion reduces complications and improves perioperative outcomes compared with traditional anterior-posterior lumbar fusion. Spine Journal, 2022, 22, 419-428.	1.3	21
25	Full-Body Radiographic Analysis of Postoperative Deviations From Age-Adjusted Alignment Goals in Adult Spinal Deformity Correction and Related Compensatory Recruitment. International Journal of Spine Surgery, 2019, 13, 205-214.	1.5	20
26	Lumbar Spine Degeneration and Flatback Deformity Alter Sitting-Standing Spinopelvic Mechanicsâ€”Implications for Total Hip Arthroplasty. Journal of Arthroplasty, 2020, 35, 1036-1041.	3.1	18
27	Can Flexed-Seated and Single-Leg Standing Radiographs Be Useful in Preoperative Evaluation of Lumbar Mobility in Total Hip Arthroplasty?. Journal of Arthroplasty, 2020, 35, 2124-2130.	3.1	18
28	Radiological lumbar stenosis severity predicts worsening sagittal malalignment on full-body standing stereoradiographs. Spine Journal, 2017, 17, 1601-1610.	1.3	17
29	Sports-related Cervical Spine Fracture and Spinal Cord Injury. Spine, 2021, 46, 22-28.	2.0	17
30	McGregor's slope and slope of line of sight: two surrogate markers for Chin-Brow vertical angle in the setting of cervical spine pathology. Spine Journal, 2019, 19, 1512-1517.	1.3	16
31	Total Inpatient Morphine Milligram Equivalents Can Predict Long-term Opioid Use After Transforaminal Lumbar Interbody Fusion. Spine, 2019, 44, 1465-1470.	2.0	16
32	A cost utility analysis of treating different adult spinal deformity frailty states. Journal of Clinical Neuroscience, 2020, 80, 223-228.	1.5	16
33	National Administrative Databases in Adult Spinal Deformity Surgery. Spine, 2017, 42, 1248-1254.	2.0	13
34	A Simpler, Modified Frailty Index Weighted by Complication Occurrence Correlates to Pain and Disability for Adult Spinal Deformity Patients. International Journal of Spine Surgery, 2020, 14, 1031-1036.	1.5	13
35	Validation of prone intraoperative measurements of global spinal alignment. Journal of Neurosurgery: Spine, 2018, 29, 187-192.	1.7	12
36	Factors influencing length of stay following cervical spine surgery: A comparison of myelopathy and radiculopathy patients. Journal of Clinical Neuroscience, 2019, 67, 109-113.	1.5	12

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37	Metabolic Syndrome has a Negative Impact on Cost Utility Following Spine Surgery. <i>World Neurosurgery</i> , 2020, 135, e500-e504.	1.3	12
38	Radiation Exposure in Posterior Lumbar Fusion: A Comparison of CT Image-Guided Navigation, Robotic Assistance, and Intraoperative Fluoroscopy. <i>Global Spine Journal</i> , 2021, 11, 450-457.	2.3	12
39	The Impact of Global Alignment and Proportion Score and Bracing on Proximal Junctional Kyphosis in Adult Spinal Deformity. <i>Global Spine Journal</i> , 2023, 13, 651-658.	2.3	12
40	Postoperative Prophylactic Antibiotics in Spine Surgery. <i>Journal of Bone and Joint Surgery - Series A</i> , 2021, 103, 219-226.	3.0	12
41	Obesity negatively affects cost efficiency and outcomes following adult spinal deformity surgery. <i>Spine Journal</i> , 2020, 20, 512-518.	1.3	11
42	Full-Body Analysis of Adult Spinal Deformity Patients' Age-Adjusted Alignment at 1 Year. <i>World Neurosurgery</i> , 2018, 114, e775-e784.	1.3	10
43	The Impact of Different Intraoperative Fluid Administration Strategies on Postoperative Extubation Following Multilevel Thoracic and Lumbar Spine Surgery: A Propensity Score Matched Analysis. <i>Neurosurgery</i> , 2019, 85, 31-40.	1.1	10
44	Predictors of long-term opioid dependence in transforaminal lumbar interbody fusion with a focus on pre-operative opioid usage. <i>European Spine Journal</i> , 2020, 29, 1311-1317.	2.2	10
45	Applying the hip-spine relationship in total hip arthroplasty. <i>HIP International</i> , 2021, 31, 144-153.	1.7	10
46	PROMIS physical health domain scores are related to cervical deformity severity. <i>Journal of Craniovertebral Junction and Spine</i> , 2019, 10, 179.	0.8	10
47	Interpretation of Spinal Radiographic Parameters in Patients With Transitional Lumbosacral Vertebrae*. <i>Spine Deformity</i> , 2018, 6, 587-592.	1.5	9
48	Pelvic Compensation in Sagittal Malalignment. <i>Spine</i> , 2020, 45, E203-E209.	2.0	9
49	Lack of Consensus in Physician Recommendations Regarding Return to Driving After Cervical Spine Surgery. <i>Spine</i> , 2018, 43, 1411-1417.	2.0	8
50	PROMIS is superior to established outcome measures in capturing disability resulting from sagittal malalignment in patients with back pain. <i>Spine Deformity</i> , 2020, 8, 499-505.	1.5	8
51	The Relationship Between 3-dimensional Spinal Alignment, Thoracic Volume, and Pulmonary Function in Surgical Correction of Adolescent Idiopathic Scoliosis. <i>Spine</i> , 2020, 45, 983-992.	2.0	8
52	MRI Radiological Predictors of Requiring Microscopic Lumbar Discectomy After Lumbar Disc Herniation. <i>Global Spine Journal</i> , 2020, 10, 63-68.	2.3	7
53	ODI Cannot Account for All Variation in PROMIS Scores in Patients With Thoracolumbar Disorders. <i>Global Spine Journal</i> , 2020, 10, 399-405.	2.3	7
54	Obesity Alters Spinopelvic Alignment Changes From Standing to Relaxed Sitting: the Influence of the Soft-tissue Envelope. <i>Arthroplasty Today</i> , 2020, 6, 590-595.e1.	1.6	7

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55	The effect of vascular approach surgeons on perioperative complications in lateral transpsoas lumbar interbody fusions. <i>Spine Journal</i> , 2020, 20, 313-320.	1.3	6
56	Operative fusion of patients with metabolic syndrome increases risk for perioperative complications. <i>Journal of Clinical Neuroscience</i> , 2020, 72, 142-145.	1.5	6
57	Same-Day Anterior Cervical Discectomy and Fusion—Our Protocol and Experience: Same-Day Discharge After Anterior Cervical Discectomy and Fusion in Suitable Patients has Similarly Low Readmission Rates as Admitted Patients. <i>International Journal of Spine Surgery</i> , 2019, 13, 479-485.	1.5	6
58	Anterior column reconstruction of the lumbar spine in the lateral decubitus position: anatomical and patient-related considerations for ALIF, anterior-to-psoas, and transpsoas LLIF approaches. <i>European Spine Journal</i> , 2022, 31, 2175-2187.	2.2	6
59	Preoperative MRI predictors of health-related quality of life improvement after microscopic lumbar discectomy. <i>Spine Journal</i> , 2020, 20, 391-398.	1.3	5
60	Complication Risk in Primary and Revision Minimally Invasive Lumbar Interbody Fusion: A Comparable Alternative to Conventional Open Techniques?. <i>Global Spine Journal</i> , 2020, 10, 619-626.	2.3	5
61	Not Frail and Elderly: How Invasive Can We Go in This Different Type of Adult Spinal Deformity Patient?. <i>Spine</i> , 2021, 46, 1559-1563.	2.0	5
62	The Impact of Adult Thoracolumbar Spinal Deformities on Standing to Sitting Regional and Segmental Reciprocal Alignment. <i>International Journal of Spine Surgery</i> , 2019, 13, 308-316.	1.5	5
63	Severity of Hip Osteoarthritis Affects Lower Extremity Compensatory Mechanisms in Spinopelvic Malalignment. <i>Spine Journal</i> , 2017, 17, S75.	1.3	4
64	Diminishing Clinical Returns of Multilevel Minimally Invasive Lumbar Interbody Fusion. <i>Spine</i> , 2019, 44, E1181-E1187.	2.0	4
65	Evaluation of Health-related Quality of Life Improvement in Patients Undergoing Spine Versus Adult Reconstructive Surgery. <i>Spine</i> , 2020, 45, E1179-E1184.	2.0	4
66	Lewinnek Safe Zone References are Frequently Misquoted. <i>Arthroplasty Today</i> , 2020, 6, 945-953.	1.6	4
67	Mandibular slope: a reproducible and simple measure of horizontal gaze. <i>Spine Deformity</i> , 2020, 8, 893-899.	1.5	3
68	The Patient-Reported Outcome Measurement Information System (PROMIS) Better Reflects the Impact of Length of Stay and the Occurrence of Complications Within 90 Days Than Legacy Outcome Measures for Lumbar Degenerative Surgery. <i>International Journal of Spine Surgery</i> , 2021, 15, 82-86.	1.5	3
69	Health-related quality of life measures in adult spinal deformity: can we replace the SRS-22 with PROMIS?. <i>European Spine Journal</i> , 2022, 31, 1184-1188.	2.2	3
70	Differentiating Hip Pathology From Lumbar Spine Pathology: Key Points of Evaluation and Management. <i>Instructional Course Lectures</i> , 2017, 66, 315-327.	0.2	3
71	Normal Age-Adjusted Sagittal Spinal Alignment Is Achieved with Surgical Correction in Adolescent Idiopathic Scoliosis. <i>Asian Spine Journal</i> , 2017, 11, 770-779.	2.0	2
72	Spinal exposure for anterior lumbar interbody fusion (ALIF) in the lateral decubitus position: anatomical and technical considerations. <i>European Spine Journal</i> , 2022, 31, 2188-2195.	2.2	2

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73	Increased cautiousness in adolescent idiopathic scoliosis patients concordant with syringomyelia fails to improve overall patient outcomes. <i>Journal of Craniovertebral Junction and Spine</i> , 2021, 12, 197.	0.8	1
74	Residual lumbar hyperlordosis is associated with worsened hip status 5 years after scoliosis correction in non-ambulant patients with cerebral palsy. <i>Spine Deformity</i> , 2021, 9, 1125-1136.	1.5	1
75	Comparative Analysis of Inpatient Opioid Consumption Between Different Surgical Approaches Following Single Level Lumbar Spinal Fusion Surgery. <i>Global Spine Journal</i> , 2022, , 219256822210892.	2.3	1
76	Setting for single position surgery: survey from expert spinal surgeons. <i>European Spine Journal</i> , 2022, , .	2.2	1
77	Response to Letter to the Editor on "Prevalence of Sagittal Spinal Deformity Among Patients Undergoing Total Hip Arthroplasty". <i>Journal of Arthroplasty</i> , 2020, 35, 1449.	3.1	0
78	The Ankle-Pelvic Angle (APA) and Global Lower Extremity Angle (GLA): Summary Measurements of Pelvic and Lower Extremity Compensation. <i>International Journal of Spine Surgery</i> , 2021, 15, 130-136.	1.5	0
79	Surgeon Attitudes Toward Physiotherapeutic Scoliosis-Specific Exercises in Adult Patients With Spinal Deformities. <i>International Journal of Spine Surgery</i> , 2020, 13, 568-574.	1.5	0
80	Trends in Pain Medication Prescriptions and Satisfaction Scores in Spine Surgery Patients at a Single Institution. <i>International Journal of Spine Surgery</i> , 2020, 14, 1023-1030.	1.5	0
81	Biologics and Minimally Invasive Approach to TLIFs: What Is the Risk of Radiculitis?. <i>International Journal of Spine Surgery</i> , 2020, 14, 804-810.	1.5	0
82	Lateral decubitus single position anterior-posterior (AP) fusion shows equivalent results to minimally invasive transforaminal lumbar interbody fusion at one-year follow-up. <i>European Spine Journal</i> , 2022, , 1.	2.2	0