Alexander P Hughes

List of Publications by Year
in descending order

101 papers	2,569 citations	201385 27 h-index	214527 47 g-index
102 all docs	102 docs citations	102 times ranked	2104 citing authors

#	Article	IF	Citations
1	Risk Factors for Postoperative Infection Following Posterior Lumbar Instrumented Arthrodesis. Journal of Bone and Joint Surgery - Series A, 2011, 93, 1627-1633.	1.4	222
2	Neurologic deficit following lateral lumbar interbody fusion. European Spine Journal, 2012, 21, 1192-1199.	1.0	158
3	Nerve injury after lateral lumbar interbody fusion: a review of 919 treated levels with identification of risk factors. Spine Journal, 2014, 14, 749-758.	0.6	140
4	Opioid prescription levels and postoperative outcomes in orthopedic surgery. Pain, 2017, 158, 2422-2430.	2.0	124
5	Lateral Lumbar Interbody Fusionâ€"Outcomes and Complications. Current Reviews in Musculoskeletal Medicine, 2017, 10, 539-546.	1.3	106
6	An Association Can Be Found Between Hounsfield Units and Success of Lumbar Spine Fusion. HSS Journal, 2014, 10, 25-29.	0.7	96
7	Trends in lumbar spinal fusionâ€"a literature review. Journal of Spine Surgery, 2020, 6, 752-761.	0.6	91
8	Minimally Invasive Lateral Lumbar Interbody Fusion. Journal of Spinal Disorders and Techniques, 2015, 28, 119-125.	1.8	81
9	Cervical Spinal Fusion: 16-Year Trends in Epidemiology, Indications, and In-Hospital Outcomes by Surgical Approach. World Neurosurgery, 2018, 113, e280-e295.	0.7	64
10	The intervertebral disc, the endplates and the vertebral bone marrow as a unit in the process of degeneration. European Radiology, 2017, 27, 2507-2520.	2.3	60
11	Fulfillment of patients' expectations of lumbar and cervical spine surgery. Spine Journal, 2016, 16, 1167-1174.	0.6	58
12	Rate of Revision Surgery After Stand-alone Lateral Lumbar Interbody Fusion for Lumbar Spinal Stenosis. Spine, 2014, 39, E326-E331.	1.0	57
13	A Comparative Study of Lateral Lumbar Interbody Fusion and Posterior Lumbar Interbody Fusion in Degenerative Lumbar Spondylolisthesis. Asian Spine Journal, 2015, 9, 668.	0.8	57
14	Multivariate Analysis on Risk Factors for Postoperative Ileus After Lateral Lumbar Interbody Fusion. Spine, 2014, 39, 688-694.	1.0	50
15	Contralateral psoas seroma after transpsoas lumbar interbody fusion with bone morphogenetic protein-2 implantation. Spine Journal, 2013, 13, e1-e5.	0.6	49
16	Nerve injury and recovery after lateral lumbar interbody fusion with and without bone morphogenetic protein-2 augmentation: a cohort-controlled study. Spine Journal, 2014, 14, 217-224.	0.6	48
17	Lateral Lumbar Interbody Fusion. Asian Spine Journal, 2015, 9, 978.	0.8	47
18	Incidence of vascular complications during lateral lumbar interbody fusion: an examination of the mini-open access technique. European Spine Journal, 2015, 24, 800-809.	1.0	46

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19	Associations between lumbosacral transitional anatomy types and degeneration at the transitional and adjacent segments. Spine Journal, 2015, 15, 1210-1216.	0.6	46
20	An Institutional Six-year Trend Analysis of the Neurological Outcome After Lateral Lumbar Interbody Fusion. Spine, 2013, 38, E1483-E1490.	1.0	44
21	Development and Testing of an Expectations Survey for Patients Undergoing Lumbar Spine Surgery. Journal of Bone and Joint Surgery - Series A, 2013, 95, 1793-1800.	1.4	42
22	Lumbar Spine Surgery in Patients with Parkinson Disease. Journal of Bone and Joint Surgery - Series A, 2015, 97, 1661-1666.	1.4	41
23	Preoperative MRI-based vertebral bone quality (VBQ) score assessment in patients undergoing lumbar spinal fusion. Spine Journal, 2022, 22, 1301-1308.	0.6	41
24	Microbiologic profile of infections in presumed aseptic revision spine surgery. European Spine Journal, 2016, 25, 3902-3907.	1.0	38
25	Regional bone mineral density differences measured by quantitative computed tomography: does the standard clinically used L1-L2 average correlate with the entire lumbosacral spine?. Spine Journal, 2019, 19, 695-702.	0.6	37
26	Single-Level Lateral Lumbar Interbody Fusion for the Treatment of Adjacent Segment Disease. Spine, 2017, 42, E515-E522.	1.0	35
27	Endplate volumetric bone mineral density measured by quantitative computed tomography as a novel predictive measure of severe cage subsidence after standalone lateral lumbar fusion. European Spine Journal, 2020, 29, 1131-1140.	1.0	31
28	Endplate volumetric bone mineral density is a predictor for cage subsidence following lateral lumbar interbody fusion: a risk factor analysis. Spine Journal, 2021, 21, 1729-1737.	0.6	29
29	Evaluation of cage subsidence in standalone lateral lumbar interbody fusion: novel 3D-printed titanium versus polyetheretherketone (PEEK) cage. European Spine Journal, 2021, 30, 2377-2384.	1.0	29
30	Anterior Surgical Treatment of Cervical Spondylotic Myelopathy. HSS Journal, 2015, 11, 15-25.	0.7	28
31	Contralateral Motor Deficits After Lateral Lumbar Interbody Fusion. Spine, 2013, 38, 1959-1963.	1.0	27
32	Microdiscectomy for the Treatment of Lumbar Disc Herniation: An Evaluation of Reoperations and Long-Term Outcomes. Evidence-based Spine-care Journal, 2014, 05, 077-086.	0.9	24
33	Bone quality in patients with osteoporosis undergoing lumbar fusion surgery: analysis of the MRI-based vertebral bone quality score and the bone microstructure derived from microcomputed tomography. Spine Journal, 2022, 22, 1642-1650.	0.6	24
34	The Association Between Endplate Changes and Risk for Early Severe Cage Subsidence Among Standalone Lateral Lumbar Interbody Fusion Patients. Spine, 2020, 45, E1580-E1587.	1.0	22
35	Risk factors for postoperative dysphagia and dysphonia following anterior cervical spine surgery: a comprehensive study utilizing the hospital for special surgery dysphagia and dysphonia inventory (HSS-DDI). Spine Journal, 2021, 21, 1080-1088.	0.6	21
36	Change in Off-Label Use of Bone Morphogenetic Protein in Spine Surgery and Associations with Adverse Outcome. Global Spine Journal, 2016, 6, 650-659.	1.2	20

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37	Perioperative Risk Factors for Early Revisions in Stand-Alone Lateral Lumbar Interbody Fusion. World Neurosurgery, 2020, 134, e657-e663.	0.7	20
38	Successful lumbar surgery results in improved psychological well-being: a longitudinal assessment of depressive and anxiety symptoms. Spine Journal, 2018, 18, 606-613.	0.6	19
39	Effects of a multimodal analgesic pathway with transversus abdominis plane block for lumbar spine fusion: a prospective feasibility trial. European Spine Journal, 2019, 28, 2077-2086.	1.0	19
40	The impact of degenerative disc disease on regional volumetric bone mineral density (vBMD) measured by quantitative computed tomography. Spine Journal, 2020, 20, 181-190.	0.6	19
41	Impact of ultrasound-guided erector spinae plane block on outcomes after lumbar spinal fusion: a retrospective propensity score matched study of 242 patients. Regional Anesthesia and Pain Medicine, 2022, 47, 79-86.	1.1	18
42	BMI and gender increase risk of sacral fractures after multilevel instrumented spinal fusion compared with bone mineral density and pelvic parameters. Spine Journal, 2019, 19, 238-245.	0.6	17
43	Regional bone mineral density differences measured by quantitative computed tomography in patients undergoing anterior cervical spine surgery. Spine Journal, 2020, 20, 1056-1064.	0.6	17
44	Prevalence of osteoporosis and osteopenia diagnosed using quantitative CT in 296 consecutive lumbar fusion patients. Neurosurgical Focus, 2020, 49, E5.	1.0	17
45	Is There Any Relation Between the Amount of Curve Correction and Postoperative Neurological Deficit or Pain in Patients Undergoing Standalone Lateral Lumbar Interbody Fusion?. Spine, 2013, 38, 1656-1662.	1.0	15
46	Demographic, Clinical, and Operative Factors Affecting Long-Term Revision Rates After Cervical Spine Arthrodesis. Journal of Bone and Joint Surgery - Series A, 2016, 98, 1533-1540.	1.4	14
47	The predictive value of psoas and paraspinal muscle parameters measured on MRI for severe cage subsidence after standalone lateral lumbar interbody fusion. Spine Journal, 2023, 23, 42-53.	0.6	14
48	The predictive value of a novel site-specific MRI-based bone quality assessment, endplate bone quality (EBQ), for severe cage subsidence among patients undergoing standalone lateral lumbar interbody fusion. Spine Journal, 2022, 22, 1875-1883.	0.6	13
49	Multiple myeloma exacerbation following utilization of bone morphogenetic protein-2 in lateral lumbar interbody fusion: a case report and review of the literature. Spine Journal, 2014, 14, e13-e19.	0.6	12
50	Lower Spine Volumetric Bone Density in Patients With a History of Epidural Steroid Injections. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 3405-3410.	1.8	12
51	HSS Dysphagia and Dysphonia Inventory (HSS-DDI) Following Anterior Cervical Fusion. Journal of Bone and Joint Surgery - Series A, 2018, 100, e66.	1.4	11
52	Mini-Open Access for Lateral Lumbar Interbody Fusion. JBJS Essential Surgical Techniques, 2019, 9, e37.	0.3	11
53	Concordance Between Patientsâ€™ and Surgeonsâ€™ Expectations of Lumbar Surgery. Spine, 2021, 46, 249-258.	1.0	11
54	Procedure-Specific Complications Associated with Ultrasound-Guided Erector Spinae Plane Block for Lumbar Spine Surgery: A Retrospective Analysis of 342 Consecutive Cases. Journal of Pain Research, 2022, Volume 15, 655-661.	0.8	10

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55	The association of transversus abdominis plane block with length of stay, pain and opioid consumption after anterior or lateral lumbar fusion: a retrospective study. European Spine Journal, 2021, 30, 3738-3745.	1.0	9
56	Early Outcomes of Three-Dimensionalâ€“Printed Porous Titanium versus Polyetheretherketone Cage Implantation for Stand-Alone Lateral Lumbar Interbody Fusion in the Treatment of Symptomatic Adjacent Segment Degeneration. World Neurosurgery, 2022, 162, e14-e20.	0.7	9
57	Does L4-L5 Pose Additional Neurologic Risk in Lateral Lumbar Interbody Fusion?. World Neurosurgery, 2019, 129, e337-e342.	0.7	8
58	Minimum Clinically Important Differences of the Hospital for Special Surgery Dysphagia and Dysphonia Inventory and Other Dysphagia Measurements in Patients Undergoing ACDF. Clinical Orthopaedics and Related Research, 2020, 478, 2309-2320.	0.7	8
59	Essential Spine Surgery During the COVID-19 Pandemic: A Comprehensive Framework for Clinical Practice from a Specialty Orthopedic Hospital in New York City. HSS Journal, 2020, 16, 29-35.	0.7	8
60	Symptomatic heterotopic bone formation after rhBMP-2 utilization in lateral lumbar interbody fusion. Spine Journal, 2013, 13, 1411-1412.	0.6	7
61	The value of intraoperative Gram stain in revision spine surgery. Spine Journal, 2015, 15, 2198-2205.	0.6	7
62	Association Between Surgical Level and Early Postoperative Thigh Symptoms Among Patients Undergoing Standalone Lateral Lumbar Interbody Fusion. World Neurosurgery, 2020, 134, e885-e891.	0.7	7
63	Thoracic bone mineral density measured by quantitative computed tomography in patients undergoing spine surgery. Spine Journal, 2021, 21, 1866-1872.	0.6	7
64	Thrombophilic Abnormalities in Patients With or Without Pulmonary Embolism Following Elective Spinal Surgery. HSS Journal, 2013, 9, 32-35.	0.7	6
65	Skin Ultrasound Measurement as a Potential Marker of Bone Quality: A Prospective Pilot Study of Patients undergoing Lumbar Spinal Fusion. Journal of Orthopaedic Research, 2019, 37, 2508-2515.	1.2	6
66	Development of a decision-making pathway for utilizing standalone lateral lumbar interbody fusion. European Spine Journal, 2021, , 1.	1.0	6
67	Longitudinal Trends of Patient Demographics and Morbidity of Different Approaches in Lumbar Interbody Fusion: An Analysis Using the American College of Surgeons National Surgical Quality Improvement Program Database. World Neurosurgery, 2022, 164, e183-e193.	0.7	6
68	Does the Addition of Either a Lateral or Posterior Interbody Device to Posterior Instrumented Lumbar Fusion Decrease Cost Over a 6-Year Period?. Global Spine Journal, 2018, 8, 471-477.	1.2	5
69	Qualitative assessment of patientsâ€™ perspectives and willingness to improve healthy lifestyle physical activity after lumbar surgery. European Spine Journal, 2021, 30, 200-207.	1.0	5
70	Emergent reintubation following elective cervical surgery: A case series. World Journal of Orthopedics, 2017, 8, 465.	0.8	5
71	Approach-related anatomical differences in patients with lumbo-sacral transitional vertebrae undergoing lumbar fusion surgery at level L4/5. Archives of Orthopaedic and Trauma Surgery, 2023, 143, 1753-1759.	1.3	5
72	Local Mechanical Environment and Spinal Trabecular Volumetric Bone Mineral Density Measured by Quantitative Computed Tomography: A Study on Lumbar Lordosis. World Neurosurgery, 2020, 135, e286-e292.	0.7	4

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73	Postoperative decrease of regional volumetric bone mineral density measured by quantitative computed tomography after lumbar fusion surgery in adjacent vertebrae. Osteoporosis International, 2020, 31, 1163-1171.	1.3	4
74	Disabling Pruritus in a Patient With Cervical Stenosis. Journal of the American Academy of Orthopaedic Surgeons Global Research and Reviews, 2020, 4, e19.00178.	0.4	4
75	The effect of obesity, diabetes, and epidural steroid injection on regional volumetric bone mineral density measured by quantitative computed tomography in the lumbosacral spine. European Spine Journal, 2021, 30, 13-21.	1.0	4
76	Expectations of Lumbar Surgery Outcomes among Opioid Users Compared with Non-Users. Asian Spine Journal, 2020, 14, 663-672.	0.8	4
77	Intercostal artery hemorrhage with hemothorax following combined lateral and posterior lumbar interbody fusion: a case report. Spinal Cord Series and Cases, 2019, 5, 60.	0.3	3
78	Correlation between Urine N-Terminal Telopeptide and Fourier Transform Infrared Spectroscopy Parameters: A Preliminary Study. Journal of Osteoporosis, 2020, 2020, 1-7.	0.1	3
79	Heel Lift for Skiing to Compensate for Corrected Sagittal Vertical Axis After Spinal Surgery: A Case Report. International Journal of Spine Surgery, 2021, 14, S33-S36.	0.7	3
80	Coronavirus Disease 2019 Exposure in Surgeons and Anesthesiologists at a New York City Specialty Hospital. Journal of Occupational and Environmental Medicine, 2021, 63, 521-527.	0.9	3
81	Serotonergic Antidepressants Are Associated with Increased Blood Loss and Risk for Transfusion in Single-Level Lumbar Fusion Surgery. Asian Spine Journal, 2017, 11, 601-609.	0.8	3
82	Nerve Injury and Recovery After Lateral Lumbar Interbody Fusion With and Without Bone Morphogenetic Protein-2 Augmentation: A Cohort Controlled Study. Spine Journal, 2013, 13, S18.	0.6	2
83	Determinants of Postoperative Spinal Height Change among Adult Spinal Deformity Patients with Long Construct Circumferential Fusion. Asian Spine Journal, 2021, 15, 155-163.	0.8	2
84	The Cervical Spine Demonstrates less Postoperative Bone Loss than the Lumbar Spine. Journal of Orthopaedic Research, 2021, , .	1.2	2
85	Dermal ultrasound measurements for bone quality assessmentÂ:ÂAn investigation of advanced glycation endproducts derived from confocal fluorescence microscopy. Journal of Orthopaedic Research, 2022, , .	1.2	2
86	Quantitative CT for Preoperative Assessment of Lumbar Degenerative Spondylolisthesis: The Unique Impact of L4 Bone Mineral Density on Single-Level Disease. HSS Journal, 0, , 155633162210966.	0.7	2
87	Thoracic Spine Degeneration Following Microlaminotomy for Spinal Cord Stimulator Placement and Subsequent Removalâ€"a Case Report. HSS Journal, 2016, 12, 186-189.	0.7	1
88	79. The regional effect of lumbar fusion surgery on volumetric bone mineral density measured by quantitative computed tomography in adjacent vertebrae: a longitudinal cohort study. Spine Journal, 2019, 19, S38-S39.	0.6	1
89	A Novel and Reproducible Classification of the Vertebral Artery in the Subaxial Cervical Spine. Operative Neurosurgery, 2020, 18, 676-683.	0.4	1
90	Hyoid position as a novel predictive marker for postoperative dysphagia and dysphonia after anterior cervical discectomy and fusion. European Spine Journal, 2020, 29, 2745-2751.	1.0	1

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91	Low Back Pain Versus Back-Related Leg Pain: How Do Patient Expectations and Outcomes of Lumbar Spine Surgery Compare?. HSS Journal, 2022, 18, 83-90.	0.7	1
92	Workers' Compensation Status in Association with a High NDI Score Negatively Impacts Post-Operative Dysphagia and Dysphonia Following Anterior Cervical Fusion. World Neurosurgery, 2021, 154, e39-e45.	0.7	1
93	Positive and negative work events attributed to the spine 2 years after lumbar surgery among patients working preoperatively. Journal of Neurosurgery: Spine, 2019, 30, 736-742.	0.9	1
94	Is dysphagia an orthopedic problem? â€“ Yes, it could be!. Spine Journal, 2016, 16, e151-e152.	0.6	0
95	C2 Bone Erosion Secondary to Iatrogenic Pseudomeningocele: A Case Report and Description of a Novel Surgical Technique. World Neurosurgery, 2017, 106, 1056.e1-1056.e4.	0.7	0
96	Hemodynamically significant cardiac arrhythmias during general anesthesia for spine surgery: A case series and literature review. North American Spine Society Journal (NASSJ), 2020, 2, 100010.	0.3	0
97	Unfulfilled Expectations After Surgery for Adult Lumbar Scoliosis Compared with Other Degenerative Conditions. HSS Journal, 2020, 16, 452-460.	0.7	0
98	C2 Pedicle Sclerosis Grading, More Than Diameter, Predicts Surgeons' Preoperative Assessment of Safe Screw Placement: A Novel Classification System. World Neurosurgery, 2021, 149, e576-e581.	0.7	0
99	Letter to the Editor: â€œOutpatient Minimally Invasive Lumbar Fusion Using Multimodal Analgesic Management in the Ambulatory Surgery Settingâ€• International Journal of Spine Surgery, 2021, 15, 8109.	0.7	0
100	The diagnostic accuracy of MRI and nonenhanced CT for high-risk vertebral artery anatomy for subaxial anterior cervical spine surgery safety. Journal of Neurosurgery: Spine, 2021, , 1-8.	0.9	0
101	Trabecular volumetric bone mineral density of the occipital bone at preferred screw placement sites measured by quantitative computed tomography. Journal of Orthopaedic Research, 2022, 40, 1909-1917.	1.2	0