

Jakub Godzik

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

1,423
citations

361413

20
h-index

377865

34
g-index

85
all docs

85
docs citations

85
times ranked

1598
citing authors

#	ARTICLE	IF	CITATIONS
1	Minimally invasive anterior, lateral, and oblique lumbar interbody fusion: a literature review. <i>Annals of Translational Medicine</i> , 2018, 6, 104-104.	1.7	198
2	An fMRI study of caring vs self-focus during induced compassion and pride. <i>Social Cognitive and Affective Neuroscience</i> , 2012, 7, 635-648.	3.0	77
3	The Chiari Severity Index. <i>Neurosurgery</i> , 2015, 76, 279-285.	1.1	75
4	Vitamin D Levels and 1-Year Fusion Outcomes in Elective Spine Surgery. <i>Spine</i> , 2015, 40, 1536-1541.	2.0	65
5	Fate of the Adult Revision Spinal Deformity Patient. <i>Spine</i> , 2013, 38, E1196-E1200.	2.0	54
6	Nationwide Trends in Carotid Endarterectomy and Carotid Artery Stenting in the Post-CREST Era. <i>Stroke</i> , 2020, 51, 579-587.	2.0	50
7	The History of and Controversy over Kaminä™s Triangle: A Historical Analysis of the Lumbar Transforaminal Corridor for Endoscopic and Surgical Approaches. <i>World Neurosurgery</i> , 2019, 123, 402-408.	1.3	47
8	Single-position prone lateral approach: cadaveric feasibility study and early clinical experience. <i>Neurosurgical Focus</i> , 2020, 49, E15.	2.3	46
9	Pedicle screw accuracy assessment in ExcelsiusGPSÄ® robotic spine surgery: evaluation of deviation from pre-planned trajectory. <i>Chinese Neurosurgical Journal</i> , 2018, 4, 23.	0.9	44
10	A Quantitative Assessment of the Accuracy and Reliability of Robotically Guided Percutaneous Pedicle Screw Placement: Technique and Application Accuracy. <i>Operative Neurosurgery</i> , 2019, 17, 389-395.	0.8	43
11	Relationship of syrinx size and tonsillar descent to spinal deformity in Chiari malformation Type I with associated syringomyelia. <i>Journal of Neurosurgery: Pediatrics</i> , 2014, 13, 368-374.	1.3	42
12	Minimally invasive surgery for thoracolumbar spinal trauma. <i>Annals of Translational Medicine</i> , 2018, 6, 102-102.	1.7	36
13	Risks and outcomes of spinal deformity surgery in Chiari malformation, Type 1, with syringomyelia versus adolescent idiopathic scoliosis. <i>Spine Journal</i> , 2015, 15, 2002-2008.	1.3	34
14	Supplemental rods are needed to maximally reduce rod strain across the lumbosacral junction with TLIF but not ALIF in long constructs. <i>Spine Journal</i> , 2019, 19, 1121-1131.	1.3	29
15	Minimally Invasive Single-Position Lateral Interbody Fusion With Robotic Bilateral Percutaneous Pedicle Screw Fixation: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2019, 16, E121-E121.	0.8	28
16	Subependymal giant cell astrocytoma in the absence of tuberous sclerosis complex: case report. <i>Journal of Neurosurgery: Pediatrics</i> , 2015, 16, 134-137.	1.3	24
17	Retrospective analysis underestimates neurological deficits in complex spinal deformity surgery: a Scolio-RISK-1 Study. <i>Journal of Neurosurgery: Spine</i> , 2017, 27, 68-73.	1.7	24
18	Multiple Lower-extremity and Pelvic Fractures Increase Pulmonary Embolus Risk. <i>Orthopedics</i> , 2014, 37, e517-24.	1.1	24

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19	Implementation of a Standardized Multimodal Postoperative Analgesia Protocol Improves Pain Control, Reduces Opioid Consumption, and Shortens Length of Hospital Stay After Posterior Lumbar Spinal Fusion. <i>Neurosurgery</i> , 2020, 87, 130-136.	1.1	23
20	Robotics in Spine Surgery: A Technical Overview and Review of Key Concepts. <i>Frontiers in Surgery</i> , 2021, 8, 578674.	1.4	23
21	Biomechanical Stability Afforded by Unilateral Versus Bilateral Pedicle Screw Fixation with and without Interbody Support Using Lateral Lumbar Interbody Fusion. <i>World Neurosurgery</i> , 2018, 113, e439-e445.	1.3	21
22	Iliac screws may not be necessary in long-segment constructs with L5-S1 anterior lumbar interbody fusion: cadaveric study of stability and instrumentation strain. <i>Spine Journal</i> , 2019, 19, 942-950.	1.3	21
23	Human Amniotic Membrane for the Prevention of Intradural Spinal Cord Adhesions: Retrospective Review of its Novel Use in a Case Series of 14 Patients. <i>Neurosurgery</i> , 2018, 83, 989-996.	1.1	18
24	Single position spinal surgery for the treatment of grade II spondylolisthesis: A technical note. <i>Journal of Clinical Neuroscience</i> , 2019, 65, 145-147.	1.5	18
25	Analysis of Cost and 30-Day Outcomes in Single-Level Transforaminal Lumbar Interbody Fusion and Less Invasive, Stand-Alone Lateral Transpsoas Interbody Fusion. <i>World Neurosurgery</i> , 2019, 122, e1037-e1040.	1.3	17
26	Single-Position Prone Lateral Interbody Fusion Improves Segmental Lordosis in Lumbar Spondylolisthesis. <i>World Neurosurgery</i> , 2021, 151, e786-e792.	1.3	17
27	Comparison of structural allograft and traditional autograft technique in occipitocervical fusion: radiological and clinical outcomes from a single institution. <i>Journal of Neurosurgery: Spine</i> , 2015, 23, 144-152.	1.7	16
28	Minimally Invasive Anterior Longitudinal Ligament Release for Anterior Column Realignment. <i>Global Spine Journal</i> , 2020, 10, 101S-110S.	2.3	16
29	Disruptive Technology in Spine Surgery and Education: Virtual and Augmented Reality. <i>Operative Neurosurgery</i> , 2021, 21, S85-S93.	0.8	16
30	The utilization of minimally invasive surgery techniques for the treatment of spinal deformity. <i>Journal of Spine Surgery</i> , 2019, 5, S84-S90.	1.2	15
31	Surgeon and staff radiation exposure in minimally invasive spinal surgery: prospective series using a personal dosimeter. <i>Journal of Neurosurgery: Spine</i> , 2020, 32, 817-823.	1.7	15
32	Minimally Invasive Transforaminal Interbody Fusion With Robotically Assisted Bilateral Pedicle Screw Fixation: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2019, 16, E86-E87.	0.8	14
33	Decreasing Radiation Emission in Minimally Invasive Spine Surgery Using Ultra-Low-Radiation Imaging with Image Enhancement: A Prospective Cohort Study. <i>World Neurosurgery</i> , 2019, 122, e805-e811.	1.3	13
34	Biomechanical evaluation of interbody fixation with secondary augmentation: lateral lumbar interbody fusion versus posterior lumbar interbody fusion. <i>Journal of Spine Surgery</i> , 2018, 4, 180-186.	1.2	12
35	Retrospective Multicenter Assessment of Rod Fracture After Anterior Column Realignment in Minimally Invasive Adult Spinal Deformity Correction. <i>World Neurosurgery</i> , 2019, 130, e400-e405.	1.3	12
36	Continuous Activity Tracking Using a Wrist-Mounted Device in Adult Spinal Deformity: A Proof of Concept Study. <i>World Neurosurgery</i> , 2019, 122, 349-354.	1.3	11

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37	Postural Stability and Dynamic Balance in Adult Spinal Deformity: Prospective Pilot Study. <i>World Neurosurgery</i> , 2020, 141, e783-e791.	1.3	11
38	Optimizing biomechanics of anterior column realignment for minimally invasive deformity correction. <i>Spine Journal</i> , 2020, 20, 465-474.	1.3	10
39	Patient-Controlled Analgesia Following Lumbar Spinal Fusion Surgery Is Associated With Increased Opioid Consumption and Opioid-Related Adverse Events. <i>Neurosurgery</i> , 2020, 87, 592-601.	1.1	10
40	Reliability of the revised Scoliosis Research Society-22 and Oswestry Disability Index (ODI) questionnaires in adult spinal deformity when administered by telephone. <i>Spine Journal</i> , 2016, 16, 1042-1046.	1.3	9
41	Peri-Lead Edema After Deep Brain Stimulation Surgery: A Poorly Understood but Frequent Complication. <i>World Neurosurgery</i> , 2019, 124, e340-e345.	1.3	9
42	Use of a wrist-mounted device for continuous outpatient physiologic monitoring after transsphenoidal surgery: a pilot study. <i>Pituitary</i> , 2019, 22, 156-162.	2.9	9
43	Biomechanical implications of unilateral facetectomy, unilateral facetectomy plus partial contralateral facetectomy, and complete bilateral facetectomy in minimally invasive transforaminal interbody fusion. <i>Journal of Neurosurgery: Spine</i> , 2019, 31, 447-452.	1.7	9
44	Biomechanical Evaluation of the CD HORIZON Spire Z Spinal System With Pedicle and Facet Fixation. <i>Spine</i> , 2016, 41, E902-E907.	2.0	8
45	Early surgical intervention among patients with acute central cord syndrome is not associated with higher mortality and morbidity. <i>Journal of Spine Surgery</i> , 2019, 5, 466-474.	1.2	8
46	Single-Position Surgery: Prone Lateral Lumbar Interbody Fusion: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2021, 20, E369-E369.	0.8	8
47	Surgical anatomy of minimally invasive lateral approaches to the thoracolumbar junction. <i>Journal of Neurosurgery: Spine</i> , 2022, 36, 937-944.	1.7	8
48	Influence of Lumbar Lordosis on Posterior Rod Strain in Long-Segment Construct During Biomechanical Loading: A Cadaveric Study. <i>Neurospine</i> , 2021, 18, 635-643.	2.9	7
49	Biomechanical effects of a novel posteriorly placed sacroiliac joint fusion device integrated with traditional lumbopelvic long-construct instrumentation. <i>Journal of Neurosurgery: Spine</i> , 2021, 35, 320-329.	1.7	7
50	Biomechanical Evaluation of Cervicothoracic Junction Fusion Constructs. <i>World Neurosurgery</i> , 2019, 124, e139-e146.	1.3	6
51	Combined Lateral Transpsoas Anterior Column Realignment with Pedicle Subtraction Osteotomy to Treat Severe Sagittal Plane Deformity: Cadaveric Feasibility Study and Early Clinical Experience. <i>World Neurosurgery</i> , 2019, 121, e589-e595.	1.3	6
52	When Indirect Decompression Fails. <i>Spine</i> , 2021, 46, 1081-1086.	2.0	6
53	Biomechanics of a laterally placed sacroiliac joint fusion device supplemental to S2 alar-iliac fixation in a long-segment adult spinal deformity construct: a cadaveric study of stability and strain distribution. <i>Journal of Neurosurgery: Spine</i> , 2022, 36, 42-52.	1.7	6
54	Outpatient outcomes of patients with femoral nerve neurapraxia after prone lateral lumbar interbody fusion at L4-L5. <i>Journal of Neurosurgery: Spine</i> , 2022, 37, 92-95.	1.7	6

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55	Circumferential dural resection technique and reconstruction for the removal of giant calcified transdural herniated thoracic discs. <i>Journal of Neurosurgery: Spine</i> , 2018, 28, 167-172.	1.7	5
56	Mini-open Lateral En Bloc Corpectomy. <i>Clinical Spine Surgery</i> , 2019, 32, 143-149.	1.3	5
57	Complications and Outcomes of Complex Spine Reconstructions in Poliomyelitis-Associated Spinal Deformities. <i>Spine</i> , 2014, 39, 1211-1216.	2.0	4
58	Posterior Reversible Encephalopathic Syndrome in the Setting of Induced Elevated Mean Arterial Pressure in Patients With Spinal Cord Injury. <i>Neurosurgery</i> , 2018, 83, 16-21.	1.1	4
59	Seizure and neuropsychological outcomes in a large series of selective amygdalohippocampectomies with a minimally invasive subtemporal approach. <i>Journal of Neurosurgery</i> , 2021, 134, 1685-1693.	1.6	4
60	P66. An analysis of Medicare reimbursement rates in spine surgery: 2000-2018. <i>Spine Journal</i> , 2019, 19, S188-S189.	1.3	3
61	Age-Based Tailoring of Adult Spinal Deformity Alignment Goals. <i>World Neurosurgery</i> , 2016, 93, 428-429.	1.3	2
62	Association of Angiotensin-Converting Enzyme Inhibitors with Increased Mortality Among Patients with Isolated Severe Traumatic Brain Injury. <i>Neurocritical Care</i> , 2019, 31, 507-513.	2.4	2
63	Doing More with Less: A Minimally Invasive, Cost-Conscious Approach to Stereoelectroencephalography. <i>World Neurosurgery</i> , 2020, 133, 34-40.	1.3	2
64	Release of Anterior Longitudinal Ligament in Setting of Unfavorable Vascular Anatomy for Anterior Column Realignmentâ€”Technical Note: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2020, 19, E189-E189.	0.8	2
65	Emerging Technologies in Spinal Surgery: Ultra-Low Radiation Imaging Platforms. <i>Operative Neurosurgery</i> , 2021, 21, S39-S45.	0.8	2
66	Optimizing Cervicothoracic Junction Biomechanics after C7 Pedicle Subtraction Osteotomy: A Cadaveric Study of Stability and Rod Strain. <i>World Neurosurgery</i> , 2022, 160, e278-e287.	1.3	2
67	Impact of Connector Placement and Design on Bending Stiffness of Spinal Constructs. <i>World Neurosurgery</i> , 2019, 121, e89-e95.	1.3	1
68	Neurosurgery Billing and Reimbursement in 2021. <i>World Neurosurgery</i> , 2021, 151, 348-352.	1.3	1
69	In Reply to the Letter to the Editor for â€œDecreasing Radiation Emission in Minimally Invasive Spine Surgery Using Ultra-Low-Radiation Imaging with Image Enhancement: A Prospective Cohort Studyâ€. <i>World Neurosurgery</i> , 2021, 151, 322.	1.3	1
70	Proximal fusion constructs in minimally invasive scoliosis surgery are successful without interbody or intertransverse fusion. <i>Journal of Neurosurgery: Spine</i> , 2019, 31, 851-856.	1.7	1
71	Radiographic comparison of lordotic and hyperlordotic implants in L5â€”S1 anterior lumbar interbody fusion. <i>Journal of Neurosurgery: Spine</i> , 2022, 36, 775-783.	1.7	1
72	Friday, September 28, 2018 10:30 AMâ€”12:00 PM abstracts: innovation, surface technology and biomechanics. <i>Spine Journal</i> , 2018, 18, S89.	1.3	0

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73	Wednesday, September 26, 2018 2:00 PM – 3:00 PM Surgery and Opioids. Spine Journal, 2018, 18, S34-S35.	1.3	0
74	245. Comprehensive biomechanical profile of anterior column realignment for minimally invasive deformity correction. Spine Journal, 2019, 19, S120.	1.3	0
75	P23. Variations in stresses and strains along the rod during in-vitro loading of long fusion constructs. Spine Journal, 2019, 19, S168-S169.	1.3	0
76	Multistage Hybrid Approach to Management of Significant Sagittal Malalignment: 2-Dimensional Operative Video. Operative Neurosurgery, 2020, 19, E605-E605.	0.8	0
77	P8. Correlations between sagittal plane disc dimensions and principal surface strains across the L3-4 intact IVD during in vitro multidirectional loading. Spine Journal, 2021, 21, S143-S144.	1.3	0
78	P13. Biomechanical effects of proximal PEEK rod extension on the upper instrumented and adjacent levels in a human long segment construct: A cadaveric model. Spine Journal, 2021, 21, S146.	1.3	0
79	17. Understanding proximal junctional kyphosis: New way of evaluating adjacent segment strain and vulnerability to failure after long segment instrumentation. Spine Journal, 2021, 21, S9.	1.3	0
80	Use of digital imaging correlation techniques for full-field strain distribution analysis of implantable devices and tissue in spinal biomechanics research. Journal of Biomechanics, 2022, 135, 111025.	2.1	0
81	Subtle segmental angle changes of single-level lumbar fusions and adjacent-level biomechanics: cadaveric study of optically measured disc strain. Journal of Neurosurgery: Spine, 2022, 37, 525-534.	1.7	0