Jakub Godzik

List of Publications by Year
in descending order

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	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. Journal of Neurosurgery: Spine, 2022, 36, 42-52.	1.7	6
2	Radiographic comparison of lordotic and hyperlordotic implants in L5â€“S1 anterior lumbar interbody fusion. Journal of Neurosurgery: Spine, 2022, 36, 775-783.	1.7	1
3	Optimizing Cervicothoracic Junction Biomechanics after C7 Pedicle Subtraction Osteotomy: A Cadaveric Study of Stability and Rod Strain. World Neurosurgery, 2022, 160, e278-e287.	1.3	2
4	Surgical anatomy of minimally invasive lateral approaches to the thoracolumbar junction. Journal of Neurosurgery: Spine, 2022, 36, 937-944.	1.7	8
5	Outpatient outcomes of patients with femoral nerve neurapraxia after prone lateral lumbar interbody fusion at L4â€“5. Journal of Neurosurgery: Spine, 2022, 37, 92-95.	1.7	6
6	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
7	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
8	Single-Position Surgery: Prone Lateral Lumbar Interbody Fusion: 2-Dimensional Operative Video. Operative Neurosurgery, 2021, 20, E369-E369.	0.8	8
9	When Indirect Decompression Fails. Spine, 2021, 46, 1081-1086.	2.0	6
10	Robotics in Spine Surgery: A Technical Overview and Review of Key Concepts. Frontiers in Surgery, 2021, 8, 578674.	1.4	23
11	Emerging Technologies in Spinal Surgery: Ultra-Low Radiation Imaging Platforms. Operative Neurosurgery, 2021, 21, S39-S45.	0.8	2
12	Seizure and neuropsychological outcomes in a large series of selective amygdalohippocampectomies with a minimally invasive subtemporal approach. Journal of Neurosurgery, 2021, 134, 1685-1693.	1.6	4
13	â€œDisruptive Technologyâ€•in Spine Surgery and Education: Virtual and Augmented Reality. Operative Neurosurgery, 2021, 21, S85-S93.	0.8	16
14	Neurosurgery Billing and Reimbursement in 2021. World Neurosurgery, 2021, 151, 348-352.	1.3	1
15	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€• World Neurosurgery, 2021, 151, 322.	1.3	1
16	Single-Position Prone Lateral Interbody Fusion Improves Segmental Lordosis in Lumbar Spondylolisthesis. World Neurosurgery, 2021, 151, e786-e792.	1.3	17
17	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
18	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

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19	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
20	Influence of Lumbar Lordosis on Posterior Rod Strain in Long-Segment Construct During Biomechanical Loading: A Cadaveric Study. Neurospine, 2021, 18, 635-643.	2.9	7
21	Biomechanical effects of a novel posteriorly placed sacroiliac joint fusion device integrated with traditional lumbopelvic long-construct instrumentation. Journal of Neurosurgery: Spine, 2021, 35, 320-329.	1.7	7
22	Doing More with Less: A Minimally Invasive, Cost-Conscious Approach to Stereoelectroencephalography. World Neurosurgery, 2020, 133, 34-40.	1.3	2
23	Optimizing biomechanics of anterior column realignment for minimally invasive deformity correction. Spine Journal, 2020, 20, 465-474.	1.3	10
24	Release of Anterior Longitudinal Ligament in Setting of Unfavorable Vascular Anatomy for Anterior Column Realignmentâ€"Technical Note: 2-Dimensional Operative Video. Operative Neurosurgery, 2020, 19, E189-E189.	0.8	2
25	Nationwide Trends in Carotid Endarterectomy and Carotid Artery Stenting in the Post-CREST Era. Stroke, 2020, 51, 579-587.	2.0	50
26	Multistage Hybrid Approach to Management of Significant Sagittal Malalignment: 2-Dimensional Operative Video. Operative Neurosurgery, 2020, 19, E605-E605.	0.8	0
27	Patient-Controlled Analgesia Following Lumbar Spinal Fusion Surgery Is Associated With Increased Opioid Consumption and Opioid-Related Adverse Events. Neurosurgery, 2020, 87, 592-601.	1.1	10
28	Postural Stability and Dynamic Balance in Adult Spinal Deformity: Prospective Pilot Study. World Neurosurgery, 2020, 141, e783-e791.	1.3	11
29	Minimally Invasive Anterior Longitudinal Ligament Release for Anterior Column Realignment. Global Spine Journal, 2020, 10, 101S-110S.	2.3	16
30	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. Neurosurgery, 2020, 87, 130-136.	1.1	23
31	Surgeon and staff radiation exposure in minimally invasive spinal surgery: prospective series using a personal dosimeter. Journal of Neurosurgery: Spine, 2020, 32, 817-823.	1.7	15
32	Single-position prone lateral approach: cadaveric feasibility study and early clinical experience. Neurosurgical Focus, 2020, 49, E15.	2.3	46
33	Retrospective Multicenter Assessment of Rod Fracture After Anterior Column Realignment in Minimally Invasive Adult Spinal Deformity Correction. World Neurosurgery, 2019, 130, e400-e405.	1.3	12
34	The utilization of minimally invasive surgery techniques for the treatment of spinal deformity. Journal of Spine Surgery, 2019, 5, S84-S90.	1.2	15
35	245. Comprehensive biomechanical profile of anterior column realignment for minimally invasive deformity correction. Spine Journal, 2019, 19, S120.	1.3	0
36	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

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37	P66. An analysis of Medicare reimbursement rates in spine surgery: 2000-2018. Spine Journal, 2019, 19, S188-S189.	1.3	3
38	Supplemental rods are needed to maximally reduce rod strain across the lumbosacral junction with TLIF but not ALIF in long constructs. Spine Journal, 2019, 19, 1121-1131.	1.3	29
39	Peri-Lead Edema After Deep Brain Stimulation Surgery: A Poorly Understood but Frequent Complication. World Neurosurgery, 2019, 124, e340-e345.	1.3	9
40	Association of Angiotensin-Converting Enzyme Inhibitors with Increased Mortality Among Patients with Isolated Severe Traumatic Brain Injury. Neurocritical Care, 2019, 31, 507-513.	2.4	2
41	Single position spinal surgery for the treatment of grade II spondylolisthesis: A technical note. Journal of Clinical Neuroscience, 2019, 65, 145-147.	1.5	18
42	Use of a wrist-mounted device for continuous outpatient physiologic monitoring after transsphenoidal surgery: a pilot study. Pituitary, 2019, 22, 156-162.	2.9	9
43	A Quantitative Assessment of the Accuracy and Reliability of Robotically Guided Percutaneous Pedicle Screw Placement: Technique and Application Accuracy. Operative Neurosurgery, 2019, 17, 389-395.	0.8	43
44	Biomechanical Evaluation of Cervicothoracic Junction Fusion Constructs. World Neurosurgery, 2019, 124, e139-e146.	1.3	6
45	Early surgical intervention among patients with acute central cord syndrome is not associated with higher mortality and morbidity. Journal of Spine Surgery, 2019, 5, 466-474.	1.2	8
46	Mini-open Lateral En Bloc Corpectomy. Clinical Spine Surgery, 2019, 32, 143-149.	1.3	5
47	Minimally Invasive Single-Position Lateral Interbody Fusion With Robotic Bilateral Percutaneous Pedicle Screw Fixation: 2-Dimensional Operative Video. Operative Neurosurgery, 2019, 16, E121-E121.	0.8	28
48	Impact of Connector Placement and Design on Bending Stiffness of Spinal Constructs. World Neurosurgery, 2019, 121, e89-e95.	1.3	1
49	Combined Lateral Transpsoas Anterior Column Realignment with Pedicle Subtraction Osteotomy to Treat Severe Sagittal Plane Deformity: Cadaveric Feasibility Study and Early Clinical Experience. World Neurosurgery, 2019, 121, e589-e595.	1.3	6
50	Continuous Activity Tracking Using a Wrist-Mounted Device in Adult Spinal Deformity: A Proof of Concept Study. World Neurosurgery, 2019, 122, 349-354.	1.3	11
51	Iliac screws may not be necessary in long-segment constructs with L5â€“S1 anterior lumbar interbody fusion: cadaveric study of stability and instrumentation strain. Spine Journal, 2019, 19, 942-950.	1.3	21
52	Analysis of Cost and 30-Day Outcomes in Single-Level Transforaminal Lumbar Interbody Fusion and Less Invasive, Stand-Alone Lateral Transpsoas Interbody Fusion. World Neurosurgery, 2019, 122, e1037-e1040.	1.3	17
53	The History of and Controversy over Kambinâ€™s Triangle: A Historical Analysis of the Lumbar Transforaminal Corridor for Endoscopic and Surgical Approaches. World Neurosurgery, 2019, 123, 402-408.	1.3	47
54	Decreasing Radiation Emission in Minimally Invasive Spine Surgery Using Ultra-Low-Radiation Imaging with Image Enhancement: A Prospective Cohort Study. World Neurosurgery, 2019, 122, e805-e811.	1.3	13

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55	Minimally Invasive Transforaminal Interbody Fusion With Robotically Assisted Bilateral Pedicle Screw Fixation: 2-Dimensional Operative Video. Operative Neurosurgery, 2019, 16, E86-E87.	0.8	14
56	Biomechanical implications of unilateral facetectomy, unilateral facetectomy plus partial contralateral facetectomy, and complete bilateral facetectomy in minimally invasive transforaminal interbody fusion. Journal of Neurosurgery: Spine, 2019, 31, 447-452.	1.7	9
57	Proximal fusion constructs in minimally invasive scoliosis surgery are successful without interbody or intertransverse fusion. Journal of Neurosurgery: Spine, 2019, 31, 851-856.	1.7	1
58	Human Amniotic Membrane for the Prevention of Intradural Spinal Cord Adhesions: Retrospective Review of its Novel Use in a Case Series of 14 Patients. Neurosurgery, 2018, 83, 989-996.	1.1	18
59	Biomechanical Stability Afforded by Unilateral Versus Bilateral Pedicle Screw Fixation with and without Interbody Support Using Lateral Lumbar Interbody Fusion. World Neurosurgery, 2018, 113, e439-e445.	1.3	21
60	Posterior Reversible Encephalopathic Syndrome in the Setting of Induced Elevated Mean Arterial Pressure in Patients With Spinal Cord Injury. Neurosurgery, 2018, 83, 16-21.	1.1	4
61	Circumferential dural resection technique and reconstruction for the removal of giant calcified transdural herniated thoracic discs. Journal of Neurosurgery: Spine, 2018, 28, 167-172.	1.7	5
62	Biomechanical evaluation of interbody fixation with secondary augmentation: lateral lumbar interbody fusion versus posterior lumbar interbody fusion. Journal of Spine Surgery, 2018, 4, 180-186.	1.2	12
63	Pedicle screw accuracy assessment in ExcelsiusGPSÂ® robotic spine surgery: evaluation of deviation from pre-planned trajectory. Chinese Neurosurgical Journal, 2018, 4, 23.	0.9	44
64	Friday, September 28, 2018 10:30 AMâ€“12:00 PM abstracts: innovation, surface technology and biomechanics. Spine Journal, 2018, 18, S89.	1.3	0
65	Wednesday, September 26, 2018 2:00 PM â€“ 3:00 PM Surgery and Opioids. Spine Journal, 2018, 18, S34-S35.	1.3	0
66	Minimally invasive surgery for thoracolumbar spinal trauma. Annals of Translational Medicine, 2018, 6, 102-102.	1.7	36
67	Minimally invasive anterior, lateral, and oblique lumbar interbody fusion: a literature review. Annals of Translational Medicine, 2018, 6, 104-104.	1.7	198
68	Retrospective analysis underestimates neurological deficits in complex spinal deformity surgery: a Scoli-RISK-1 Study. Journal of Neurosurgery: Spine, 2017, 27, 68-73.	1.7	24
69	Biomechanical Evaluation of the CD HORIZON Spire Z Spinal System With Pedicle and Facet Fixation. Spine, 2016, 41, E902-E907.	2.0	8
70	Reliability of the revised Scoliosis Research Society-22 and Oswestry Disability Index (ODI) questionnaires in adult spinal deformity when administered by telephone. Spine Journal, 2016, 16, 1042-1046.	1.3	9
71	Age-Based Tailoring of Adult Spinal Deformity Alignment Goals. World Neurosurgery, 2016, 93, 428-429.	1.3	2
72	Vitamin D Levels and 1-Year Fusion Outcomes in Elective Spine Surgery. Spine, 2015, 40, 1536-1541.	2.0	65

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73	Risks and outcomes of spinal deformity surgery in Chiari malformation, Type 1, with syringomyelia versus adolescent idiopathic scoliosis. Spine Journal, 2015, 15, 2002-2008.	1.3	34
74	Subependymal giant cell astrocytoma in the absence of tuberous sclerosis complex: case report. Journal of Neurosurgery: Pediatrics, 2015, 16, 134-137.	1.3	24
75	The Chiari Severity Index. Neurosurgery, 2015, 76, 279-285.	1.1	75
76	Comparison of structural allograft and traditional autograft technique in occipitocervical fusion: radiological and clinical outcomes from a single institution. Journal of Neurosurgery: Spine, 2015, 23, 144-152.	1.7	16
77	Complications and Outcomes of Complex Spine Reconstructions in Poliomyelitis-Associated Spinal Deformities. Spine, 2014, 39, 1211-1216.	2.0	4
78	Relationship of syrinx size and tonsillar descent to spinal deformity in Chiari malformation Type I with associated syringomyelia. Journal of Neurosurgery: Pediatrics, 2014, 13, 368-374.	1.3	42
79	Multiple Lower-extremity and Pelvic Fractures Increase Pulmonary Embolus Risk. Orthopedics, 2014, 37, e517-24.	1.1	24
80	Fate of the Adult Revision Spinal Deformity Patient. Spine, 2013, 38, E1196-E1200.	2.0	54
81	An fMRI study of caringvsself-focus during induced compassion and pride. Social Cognitive and Affective Neuroscience, 2012, 7, 635-648.	3.0	77