

Munish Gupta

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

2,492
citations

279778

23
h-index

206102

48
g-index

76
all docs

76
docs citations

76
times ranked

1577
citing authors

#	ARTICLE	IF	CITATIONS
1	Prospective multicenter assessment of perioperative and minimum 2-year postoperative complication rates associated with adult spinal deformity surgery. <i>Journal of Neurosurgery: Spine</i> , 2016, 25, 1-14.	1.7	280
2	Reliability assessment of a novel cervical spine deformity classification system. <i>Journal of Neurosurgery: Spine</i> , 2015, 23, 673-683.	1.7	223
3	Incidence, Mode, and Location of Acute Proximal Junctional Failures After Surgical Treatment of Adult Spinal Deformity. <i>Spine</i> , 2013, 38, 1008-1015.	2.0	220
4	Medical Complications After Adult Spinal Deformity Surgery. <i>Spine</i> , 2016, 41, 1718-1723.	2.0	192
5	Does vertebral level of pedicle subtraction osteotomy correlate with degree of spinopelvic parameter correction?. <i>Journal of Neurosurgery: Spine</i> , 2011, 14, 184-191.	1.7	125
6	Complication rates associated with 3-column osteotomy in 82 adult spinal deformity patients: retrospective review of a prospectively collected multicenter consecutive series with 2-year follow-up. <i>Journal of Neurosurgery: Spine</i> , 2017, 27, 444-457.	1.7	115
7	Prospective Multicenter Assessment of Early Complication Rates Associated With Adult Cervical Deformity Surgery in 78 Patients. <i>Neurosurgery</i> , 2016, 79, 378-388.	1.1	84
8	Prevalence and Type of Cervical Deformity Among 470 Adults With Thoracolumbar Deformity. <i>Spine</i> , 2014, 39, E1001-E1009.	2.0	80
9	A Novel 4-Rod Technique Offers Potential to Reduce Rod Breakage and Pseudarthrosis in Pedicle Subtraction Osteotomies for Adult Spinal Deformity Correction. <i>Operative Neurosurgery</i> , 2018, 14, 449-456.	0.8	80
10	The Health Impact of Adult Cervical Deformity in Patients Presenting for Surgical Treatment: Comparison to United States Population Norms and Chronic Disease States Based on the EuroQuol-5 Dimensions Questionnaire. <i>Neurosurgery</i> , 2017, 80, 716-725.	1.1	74
11	Rod fracture in adult spinal deformity surgery fused to the sacrum: prevalence, risk factors, and impact on health-related quality of life in 526 patients. <i>Spine Journal</i> , 2018, 18, 1612-1624.	1.3	66
12	Assessment of Surgical Treatment Strategies for Moderate to Severe Cervical Spinal Deformity Reveals Marked Variation in Approaches, Osteotomies, and Fusion Levels. <i>World Neurosurgery</i> , 2016, 91, 228-237.	1.3	65
13	Mechanosensitive transcriptional coactivators MRTF and YAP/TAZ regulate nucleus pulposus cell phenotype through cell shape. <i>FASEB Journal</i> , 2019, 33, 14022-14035.	0.5	56
14	Reliability of Radiographic Parameters in Neuromuscular Scoliosis. <i>Spine</i> , 2007, 32, 691-695.	2.0	55
15	Under Correction of Sagittal Deformities Based on Age-adjusted Alignment Thresholds Leads to Worse Health-related Quality of Life Whereas Over Correction Provides No Additional Benefit. <i>Spine</i> , 2018, 43, 388-393.	2.0	50
16	The Importance of C2 Slope, a Singular Marker of Cervical Deformity, Correlates With Patient-reported Outcomes. <i>Spine</i> , 2020, 45, 184-192.	2.0	38
17	Pedicle Subtraction Osteotomy in the Revision Versus Primary Adult Spinal Deformity Patient. <i>Spine</i> , 2015, 40, E1169-E1175.	2.0	35
18	Outcomes of Operative Treatment for Adult Cervical Deformity: A Prospective Multicenter Assessment With 1-Year Follow-up. <i>Neurosurgery</i> , 2018, 83, 1031-1039.	1.1	34

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19	Evolution in Surgical Approach, Complications, and Outcomes in an Adult Spinal Deformity Surgery Multicenter Study Group Patient Population. <i>Spine Deformity</i> , 2019, 7, 481-488.	1.5	32
20	Bone grafts and bone morphogenetic proteins in spine fusion. <i>Cell and Tissue Banking</i> , 2002, 3, 255-267.	1.1	29
21	Optimal Lowest Instrumented Vertebra for Thoracic Adolescent Idiopathic Scoliosis. <i>Spine Deformity</i> , 2018, 6, 250-256.	1.5	27
22	Effect of Antifibrinolytic Therapy on Complications, Thromboembolic Events, Blood Product Utilization, and Fusion in Adult Spinal Deformity Surgery. <i>Spine</i> , 2016, 41, E879-E886.	2.0	25
23	Analysis of an unexplored group of sagittal deformity patients: low pelvic tilt despite positive sagittal malalignment. <i>European Spine Journal</i> , 2016, 25, 3568-3576.	2.2	25
24	Autologous blood coagulum is a physiological carrier for BMP6 to induce new bone formation and promote posterolateral lumbar spine fusion in rabbits. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020, 14, 147-159.	2.7	25
25	Surgical Risk Stratification Based on Preoperative Risk Factors in Severe Pediatric Spinal Deformity Surgery. <i>Spine Deformity</i> , 2014, 2, 340-349.	1.5	23
26	Autologous blood coagulum containing rhBMP6 induces new bone formation to promote anterior lumbar interbody fusion (ALIF) and posterolateral lumbar fusion (PLF) of spine in sheep. <i>Bone</i> , 2020, 138, 115448.	2.9	23
27	Cost-utility analysis of cervical deformity surgeries using 1-year outcome. <i>Spine Journal</i> , 2018, 18, 1552-1557.	1.3	21
28	Primary Drivers of Adult Cervical Deformity: Prevalence, Variations in Presentation, and Effect of Surgical Treatment Strategies on Early Postoperative Alignment. <i>Neurosurgery</i> , 2018, 83, 651-659.	1.1	21
29	Incidence of Acute, Progressive, and Delayed Proximal Junctional Kyphosis Over an 8-Year Period in Adult Spinal Deformity Patients. <i>Operative Neurosurgery</i> , 2020, 18, 75-82.	0.8	19
30	Multicenter assessment of surgical outcomes in adult spinal deformity patients with severe global coronal malalignment: determination of target coronal realignment threshold. <i>Journal of Neurosurgery: Spine</i> , 2021, 34, 399-412.	1.7	19
31	Application of bone morphogenetic proteins in spinal fusion. <i>Cytokine and Growth Factor Reviews</i> , 2005, 16, 347-355.	7.2	18
32	Prospective Multicenter Assessment of All-Cause Mortality Following Surgery for Adult Cervical Deformity. <i>Neurosurgery</i> , 2018, 83, 1277-1285.	1.1	18
33	Sagittal alignment and complications following lumbar 3-column osteotomy: does the level of resection matter?. <i>Journal of Neurosurgery: Spine</i> , 2017, 27, 560-569.	1.7	16
34	Pedicle Subtraction Osteotomy. <i>JBJS Essential Surgical Techniques</i> , 2020, 10, e0028.	0.8	16
35	Traumatic Spondylopelvic Dissociation: A Report of Two Cases of Spondylolisthesis at L5-S1 and Review of Literature. <i>Global Spine Journal</i> , 2015, 5, 225-230.	2.3	14
36	Multicenter assessment of outcomes and complications associated with transforaminal versus anterior lumbar interbody fusion for fractional curve correction. <i>Journal of Neurosurgery: Spine</i> , 2021, 35, 729-742.	1.7	14

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37	The morphology of cervical deformities: a two-step cluster analysis to identify cervical deformity patterns. <i>Journal of Neurosurgery: Spine</i> , 2020, 32, 353-359.	1.7	14
38	Association of Patient-Reported Narcotic Use With Short- and Long-Term Outcomes After Adult Spinal Deformity Surgery. <i>Spine</i> , 2018, 43, 1340-1346.	2.0	13
39	The Nuances of Pedicle Subtraction Osteotomies. <i>Neurosurgery Clinics of North America</i> , 2018, 29, 355-363.	1.7	13
40	Artificial Intelligence Models Predict Operative Versus Nonoperative Management of Patients with Adult Spinal Deformity with 86% Accuracy. <i>World Neurosurgery</i> , 2020, 141, e239-e253.	1.3	13
41	Cervical Alignment Changes in Patients Developing Proximal Junctional Kyphosis Following Surgical Correction of Adult Spinal Deformity. <i>Neurosurgery</i> , 2018, 83, 675-682.	1.1	12
42	Thoracolumbar junction orientation: its impact on thoracic kyphosis and sagittal alignment in both asymptomatic volunteers and symptomatic patients. <i>European Spine Journal</i> , 2019, 28, 1937-1947.	2.2	12
43	Thoracolumbar Junction Orientation: A Novel Guide for Sagittal Correction and Proximal Junctional Kyphosis Prediction in Adult Spinal Deformity Patients. <i>Neurosurgery</i> , 2021, 88, 55-62.	1.1	11
44	The role of the fractional lumbosacral curve in persistent coronal malalignment following adult thoracolumbar deformity surgery: a radiographic analysis. <i>Spine Deformity</i> , 2021, 9, 721-731.	1.5	11
45	Establishing the minimum clinically important difference in Neck Disability Index and modified Japanese Orthopaedic Association scores for adult cervical deformity. <i>Journal of Neurosurgery: Spine</i> , 2020, 33, 441-445.	1.7	11
46	Evaluation of global alignment and proportion score in an independent database. <i>Spine Journal</i> , 2021, 21, 1549-1558.	1.3	10
47	Radiographic Fusion Grade Does Not Impact Health-Related Quality of Life in the Absence of Instrumentation Failure for Patients Undergoing Posterior Instrumented Fusion for Adult Spinal Deformity. <i>World Neurosurgery</i> , 2018, 117, e1-e7.	1.3	9
48	Durability of Satisfactory Functional Outcomes Following Surgical Adult Spinal Deformity Correction: A 3-Year Survivorship Analysis. <i>Operative Neurosurgery</i> , 2020, 18, 118-125.	0.8	9
49	Spinal Osteotomies for Rigid Deformities. <i>Neurosurgery Clinics of North America</i> , 2013, 24, 203-211.	1.7	8
50	Recovery kinetics following spinal deformity correction: a comparison of isolated cervical, thoracolumbar, and combined deformity morphometries. <i>Spine Journal</i> , 2019, 19, 1422-1433.	1.3	7
51	Comparing and Contrasting the Clinical Utility of Sagittal Spine Alignment Classification Frameworks. <i>Spine</i> , 2022, 47, 455-462.	2.0	7
52	Relationship of the character of rod fractures on outcomes following long thoracolumbar fusion to the sacrum for adult spinal deformity. <i>Spine Journal</i> , 2020, 20, 1452-1463.	1.3	6
53	Surgical outcomes in rigid versus flexible cervical deformities. <i>Journal of Neurosurgery: Spine</i> , 2021, 34, 716-724.	1.7	6
54	Surgical Strategy for the Management of Cervical Deformity Is Based on Type of Cervical Deformity. <i>Journal of Clinical Medicine</i> , 2021, 10, 4826.	2.4	6

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55	Outcomes of operative treatment for adult spinal deformity: a prospective multicenter assessment with mean 4-year follow-up. <i>Journal of Neurosurgery: Spine</i> , 2022, 37, 607-616.	1.7	6
56	Neurological Complications and Recovery Rates of Patients With Adult Cervical Deformity Surgeries. <i>Global Spine Journal</i> , 2022, 12, 1091-1097.	2.3	5
57	Sexual Dysfunction Secondary to Lumbar Stiffness in Adult Spinal Deformity Patients Before and After Long-Segment Spinal Fusion. <i>World Neurosurgery</i> , 2020, 139, e474-e479.	1.3	5
58	Global coronal decompensation and adult spinal deformity surgery: comparison of upper-thoracic versus lower-thoracic proximal fixation for long fusions. <i>Journal of Neurosurgery: Spine</i> , 2021, 35, 761-773.	1.7	5
59	Upper versus Lower Lumbar Lordosis Corrections in Relation to Pelvic Tilt " An Essential Element in Surgical Planning for Sagittal Plane Deformity. <i>Spine</i> , 2022, 47, 1145-1150.	2.0	5
60	Younger Patients Are Differentially Affected by Stiffness-Related Disability Following Adult Spinal Deformity Surgery. <i>World Neurosurgery</i> , 2019, 132, e297-e304.	1.3	4
61	Anterior and Posterior Fusion for Large, Rigid Idiopathic Scoliosis: Does Implant Density Matter?. <i>World Neurosurgery</i> , 2020, 134, e37-e45.	1.3	3
62	Defining an Algorithm of Treatment for Severe Cervical Deformity Using Surgeon Survey and Treatment Patterns. <i>World Neurosurgery</i> , 2020, 139, e541-e547.	1.3	3
63	Operative Treatment of Severe Scoliosis in Symptomatic Adults: Multicenter Assessment of Outcomes and Complications With Minimum 2-Year Follow-up. <i>Neurosurgery</i> , 2021, 89, 1012-1026.	1.1	3
64	Surgeons' risk perception in ASD surgery: The value of objective risk assessment on decision making and patient counselling. <i>European Spine Journal</i> , 2022, 31, 1174-1183.	2.2	3
65	How Much Lumbar Lordosis does a Patient Need to Reach their Age-Adjusted Alignment Target? A Formulated Approach Predicting Successful Surgical Outcomes. <i>Global Spine Journal</i> , 2024, 14, 41-48.	2.3	3
66	Factors influencing upper-most instrumented vertebrae selection in adult spinal deformity patients: qualitative case-based survey of deformity surgeons. <i>Journal of Spine Surgery</i> , 2021, 7, 37-47.	1.2	2
67	The "Rail Technique" for Correction of Cervicothoracic Kyphosis: Case Report and Surgical Technique Description. <i>Neurospine</i> , 2020, 17, 652-658.	2.9	2
68	Evolution of Proximal Junctional Kyphosis and Proximal Junctional Failure Rates Over 10 Years of Enrollment in a Prospective Multicenter Adult Spinal Deformity Database. <i>Spine</i> , 2022, 47, 922-930.	2.0	2
69	Myelopathic Patients Undergoing Severe Pediatric Spinal Deformity Surgery Can Improve Neurologic Function to That of Non-Myelopathic Patients by 1-Year Postoperative. <i>Global Spine Journal</i> , 2021, , 219256822110348.	2.3	1
70	A Comparison of Three Different Positioning Techniques on Surgical Corrections and Postoperative Alignment in Cervical Spinal Deformity (CD) Surgery. <i>Spine</i> , 2021, 46, 567-570.	2.0	1
71	Opioid use prior to surgery is associated with worse preoperative and postoperative patient reported quality of life and decreased surgical cost effectiveness for symptomatic adult spine deformity; A matched cohort analysis. <i>North American Spine Society Journal (NASSJ)</i> , 2022, 9, 100096.	0.5	1
72	Complication rate evolution across a 10-year enrollment period of a prospective multicenter database. <i>Journal of Neurosurgery: Spine</i> , 2022, 36, 1012.	1.7	1

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73	Lowest Instrumented Vertebra Selection to S1 or Ilium Versus L4 or L5 in Adult Spinal Deformity: Factors for Consideration in 349 Patients With a Mean 46-Month Follow-Up. Global Spine Journal, 2021, , 219256822110091.	2.3	0
74	Timing of conversion to cervical malalignment and proximal junctional kyphosis following surgical correction of adult spinal deformity: a 3-year radiographic analysis. Journal of Neurosurgery: Spine, 2021, 34, 830-838.	1.7	0
75	Severe contracture in the lower extremity resulting from an osteoid osteoma of the lumbar spine in close proximity to neural elements in an adolescent: a case report. Spine Deformity, 2022, , 1.	1.5	0