

Mayur Sharma

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

1,646
citations

304368

22
h-index

344852

36
g-index

100
all docs

100
docs citations

100
times ranked

2370
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced Recovery After Surgery (ERAS) for Spine Surgery: A Systematic Review. <i>World Neurosurgery</i> , 2019, 130, 415-426.	0.7	175
2	Laser interstitial thermal therapy in the management of brain metastasis and radiation necrosis after radiosurgery: An overview. <i>Expert Review of Neurotherapeutics</i> , 2016, 16, 223-232.	1.4	85
3	Discharge dispositions, complications, and costs of hospitalization in spinal cord tumor surgery: analysis of data from the United States Nationwide Inpatient Sample, 2003-2010. <i>Journal of Neurosurgery: Spine</i> , 2014, 20, 125-141.	0.9	74
4	Gold Nanoparticles for Brain Tumor Imaging: A Systematic Review. <i>Frontiers in Neurology</i> , 2018, 9, 328.	1.1	55
5	Bundled Payment Models in Spine Surgery: Current Challenges and Opportunities, a Systematic Review. <i>World Neurosurgery</i> , 2019, 123, 177-183.	0.7	55
6	Upfront Magnetic Resonance Imaging-Guided Stereotactic Laser-Ablation in Newly Diagnosed Glioblastoma: A Multicenter Review of Survival Outcomes Compared to a Matched Cohort of Biopsy-Only Patients. <i>Neurosurgery</i> , 2019, 85, 762-772.	0.6	52
7	Accuracy and safety of targeting using intraoperative ^{18}F -arm during placement of deep brain stimulation electrodes without electrophysiological recordings. <i>Journal of Clinical Neuroscience</i> , 2016, 27, 80-86.	0.8	49
8	Accuracy and precision of targeting using frameless stereotactic system in deep brain stimulator implantation surgery. <i>Neurology India</i> , 2014, 62, 503.	0.2	40
9	Thermal injury to corticospinal tracts and postoperative motor deficits after laser interstitial thermal therapy. <i>Neurosurgical Focus</i> , 2016, 41, E6.	1.0	38
10	Prognostic significance of corticotroph staining in radiosurgery for non-functioning pituitary adenomas: a multicenter study. <i>Journal of Neuro-Oncology</i> , 2017, 135, 67-74.	1.4	38
11	Longitudinal experience with WHO Grade III (anaplastic) meningiomas at a single institution. <i>Journal of Neuro-Oncology</i> , 2017, 131, 555-563.	1.4	37
12	Concurrent Validity and Comparative Responsiveness of PROMIS-SF Versus Legacy Measures in the Cervical and Lumbar Spine Population: Longitudinal Analysis from Baseline to Postsurgery. <i>World Neurosurgery</i> , 2018, 115, e664-e675.	0.7	35
13	Early versus late Gamma Knife radiosurgery following transsphenoidal surgery for nonfunctioning pituitary macroadenomas: a multicenter matched-cohort study. <i>Journal of Neurosurgery</i> , 2018, 129, 648-657.	0.9	34
14	Trends in intracranial meningioma surgery and outcome: a Nationwide Inpatient Sample database analysis from 2001 to 2010. <i>Journal of Neuro-Oncology</i> , 2013, 114, 299-307.	1.4	33
15	Laser Interstitial Thermal Therapy for Posterior Fossa Lesions: An Initial Experience. <i>World Neurosurgery</i> , 2018, 117, e146-e153.	0.7	33
16	Complications and outcomes of surgery for spinal meningioma: A Nationwide Inpatient Sample analysis from 2003 to 2010. <i>Clinical Neurology and Neurosurgery</i> , 2014, 118, 65-68.	0.6	32
17	Magnetic Resonance Thermometry and Laser Interstitial Thermal Therapy for Brain Tumors. <i>Neurosurgery Clinics of North America</i> , 2017, 28, 525-533.	0.8	32
18	Anterior Corpus Callosotomy Using Laser Interstitial Thermal Therapy for Refractory Epilepsy. <i>Stereotactic and Functional Neurosurgery</i> , 2018, 96, 406-411.	0.8	32

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19	Phase II study of Dovitinib in recurrent glioblastoma. <i>Journal of Neuro-Oncology</i> , 2019, 144, 359-368.	1.4	29
20	Factors predicting opioid dependence in patients undergoing surgery for degenerative spondylolisthesis: analysis from the MarketScan databases. <i>Journal of Neurosurgery: Spine</i> , 2018, 29, 271-278.	0.9	28
21	Primary Lumbo-sacral Spinal Epidural Non-Hodgkin's Lymphoma: A Case Report and Review of Literature. <i>Asian Spine Journal</i> , 2011, 5, 192.	0.8	27
22	Unruptured intracranial aneurysms: Comparison of perioperative complications, discharge disposition, outcome, and effect of calcification, between clipping and coiling: A single institution experience. <i>Neurology India</i> , 2013, 61, 270.	0.2	26
23	Outcomes of decompression and fusion for treatment of spinal infection. <i>Neurosurgical Focus</i> , 2019, 46, E7.	1.0	26
24	A systematic comparative outcome analysis of surgical versus percutaneous techniques in the management of symptomatic sacral perineural (Tarlov) cysts: a meta-analysis. <i>Journal of Neurosurgery: Spine</i> , 2019, 30, 623-634.	0.9	25
25	Cauda equina schwannoma presenting with intratumoral hemorrhage and intracranial subarachnoid hemorrhage. <i>Journal of Neurosurgery: Spine</i> , 2014, 21, 357-360.	0.9	24
26	Updated response assessment criteria for high-grade glioma: beyond the MacDonald criteria. <i>Chinese Clinical Oncology</i> , 2017, 6, 37-37.	0.4	24
27	Impact of cervicothoracic region stereotactic spine radiosurgery on adjacent organs at risk. <i>Neurosurgical Focus</i> , 2017, 42, E14.	1.0	23
28	Impact of EGFR mutation and ALK rearrangement on the outcomes of non-small cell lung cancer patients with brain metastasis. <i>Neuro-Oncology</i> , 2020, 22, 267-277.	0.6	22
29	Outcomes and prognostic stratification of patients with recurrent glioblastoma treated with salvage stereotactic radiosurgery. <i>Journal of Neurosurgery</i> , 2019, 131, 489-499.	0.9	22
30	A novel combination of two minimally invasive surgical techniques in the management of refractory radiation necrosis: Technical note. <i>Journal of Clinical Neuroscience</i> , 2017, 35, 117-121.	0.8	21
31	Opioid Dependence and Health Care Utilization After Decompression and Fusion in Patients With Adult Degenerative Scoliosis. <i>Spine</i> , 2019, 44, 280-290.	1.0	21
32	Modulation of mind: therapeutic neuromodulation for cognitive disability. <i>Journal of Clinical Neuroscience</i> , 2014, 21, 1473-1477.	0.8	19
33	Deep brain stimulation in Huntington's disease: Assessment of potential targets. <i>Journal of Clinical Neuroscience</i> , 2015, 22, 812-817.	0.8	18
34	Long-Term Outcome Following Stereotactic Radiosurgery for Glomus Jugulare Tumors: A Single Institution Experience of 20 Years. <i>Neurosurgery</i> , 2018, 83, 1007-1014.	0.6	17
35	First follow-up radiographic response is one of the predictors of local tumor progression and radiation necrosis after stereotactic radiosurgery for brain metastases. <i>Cancer Medicine</i> , 2017, 6, 2076-2086.	1.3	16
36	Long-Term Comparison of Health Care Utilization and Reoperation Rates in Patients Undergoing Cervical Disc Arthroplasty and Anterior Cervical Discectomy and Fusion for Cervical Degenerative Disc Disease. <i>World Neurosurgery</i> , 2020, 134, e855-e865.	0.7	15

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37	Stereotactic Radiosurgery for Intracranial Ependymomas: An International Multicenter Study. <i>Neurosurgery</i> , 2019, 84, 227-234.	0.6	13
38	Sandwich technique, peripheral nerve stimulation, peripheral field stimulation and hybrid stimulation for inguinal region and genital pain. <i>British Journal of Neurosurgery</i> , 2016, 30, 631-636.	0.4	12
39	Cumulative Intracranial Tumor Volume and Number of Brain Metastasis as Predictors of Developing New Lesions After Stereotactic Radiosurgery for Brain Metastasis. <i>World Neurosurgery</i> , 2017, 106, 666-675.	0.7	12
40	Health care utilization and overall costs based on opioid dependence in patients undergoing surgery for degenerative spondylolisthesis. <i>Neurosurgical Focus</i> , 2018, 44, E14.	1.0	12
41	Insights into complication rates, reoperation rates, and healthcare utilization associated with use of recombinant human bone morphogenetic protein ² in patients with spine infections. <i>Neurosurgical Focus</i> , 2019, 46, E8.	1.0	12
42	Primary isolated cerebellopontine angle papillary craniopharyngioma. <i>Neurology India</i> , 2012, 60, 438.	0.2	11
43	Gamma Knife radiosurgery for intracranial hemangioblastoma. <i>Journal of Clinical Neuroscience</i> , 2016, 31, 147-151.	0.8	11
44	Intracranial hemorrhage in a young COVID-19 patient. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , 2020, 22, 100878.	0.2	11
45	National trends in cerebral bypass for unruptured intracranial aneurysms: a National (Nationwide) Inpatient Sample analysis of 1998-2015. <i>Neurosurgical Focus</i> , 2019, 46, E15.	1.0	11
46	Chondromyxoid fibroma of the temporal bone: A rare entity. <i>Journal of Pediatric Neurosciences</i> , 2012, 7, 211.	0.2	11
47	Burden of preoperative opioid use and its impact on healthcare utilization after primary single level lumbar discectomy. <i>Spine Journal</i> , 2021, 21, 1700-1710.	0.6	10
48	Factors predicting the development of new onset post-operative Hydrocephalus following trans-sphenoidal surgery for pituitary adenoma. <i>Clinical Neurology and Neurosurgery</i> , 2013, 115, 1951-1954.	0.6	9
49	Predictors of Academic Neurosurgical Career Trajectory among International Medical Graduates Training Within the United States. <i>Neurosurgery</i> , 2021, 89, 478-485.	0.6	9
50	Variability in the utility of predictive models in predicting patient-reported outcomes following spine surgery for degenerative conditions: a systematic review. <i>Neurosurgical Focus</i> , 2018, 45, E10.	1.0	9
51	Peripheral field stimulation for thoracic post herpetic neuropathic pain. <i>Clinical Neurology and Neurosurgery</i> , 2014, 127, 101-105.	0.6	8
52	Laser interstitial thermal therapy for an eloquent region supratentorial brain lesion. <i>Neurosurgical Focus</i> , 2018, 44, V4.	1.0	8
53	Correlation Between the Residual Tumor Volume, Extent of Tumor Resection, and O6-Methylguanine DNA Methyltransferase Status in Patients with Glioblastoma. <i>World Neurosurgery</i> , 2018, 116, e147-e161.	0.7	8
54	Root cause analysis of epidural spinal cord stimulator implant infections with resolution after implementation of an improved protocol for surgical placement. <i>Journal of Infection Prevention</i> , 2019, 20, 185-190.	0.5	8

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55	Feasibility of Bundled Payments in Anterior, Middle, and Posterior Cranial Fossa Skull Base Meningioma Surgery: MarketScan Analysis of Health Care Utilization and Outcomes. <i>World Neurosurgery</i> , 2019, 131, e116-e127.	0.7	8
56	Differences in clinical outcomes and health care utilization between octogenarians and nonagenarians following decompression for lumbar spinal stenosis. A market scan analysis. <i>Clinical Neurology and Neurosurgery</i> , 2019, 182, 63-69.	0.6	8
57	Sacroiliac Joint Fusion System for High-Grade Spondylolisthesis Using “Reverse Bohlman Technique”: A Technical Report and Overview of the Literature. <i>World Neurosurgery</i> , 2019, 124, 331-339.	0.7	7
58	Recombinant Human Bone Morphogenetic Protein-2 Use in Adult Spinal Deformity Surgery: Comparative Analysis and Healthcare Utilization at 24 Months™ Follow-up. <i>Global Spine Journal</i> , 2020, 12, 219256822094737.	1.2	7
59	Surgical Management of Ruptured Isolated Aneurysm of Artery of Adamkiewicz: Interesting Report and Overview of Literature. <i>World Neurosurgery</i> , 2018, 111, 36-40.	0.7	6
60	Evaluation of Predictive Models for Complications following Spinal Surgery. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2020, 81, 535-545.	0.4	6
61	Deep Brain Stimulation (DBS) : Current and Emerging Applications. <i>Japanese Journal of Neurosurgery</i> , 2014, 23, 648-660.	0.0	5
62	Deep brain stimulation (DBS), lead migration, and the stimloc cap: Complication avoidance. <i>Neurology India</i> , 2014, 62, 703.	0.2	5
63	Health Care Utilization and Payments of Postoperative and Drug Abuse-Related Spinal Infections. <i>Spine</i> , 2019, 44, 1449-1455.	1.0	5
64	Pathologic Correlation of Cellular Imaging Using Apparent Diffusion Coefficient Quantification in Patients with Brain Metastases After Gamma Knife Radiosurgery. <i>World Neurosurgery</i> , 2020, 134, e903-e912.	0.7	5
65	Patterns and Impact of Electronic Health Records-Defined Depression Phenotypes in Spine Surgery. <i>Neurosurgery</i> , 2021, 89, E19-E32.	0.6	5
66	Practical considerations and nuances in anesthesia for patients undergoing deep brain stimulation implantation surgery. <i>Korean Journal of Anesthesiology</i> , 2015, 68, 332.	0.9	5
67	Vulvar migration of the peritoneal end through the inguinal canal in a female infant: An unusual complication of the ventriculo-peritoneal shunt: A case report and review of literature. <i>Journal of Pediatric Neurosciences</i> , 2013, 8, 67.	0.2	5
68	A novel swine model of subarachnoid hemorrhage-induced cerebral vasospasm. <i>Neurology India</i> , 2017, 65, 1035.	0.2	5
69	Interaction between cardiac pacemakers and deep brain stimulation pulse generators: Technical considerations. <i>Basal Ganglia</i> , 2016, 6, 19-22.	0.3	4
70	Ninety-Day Bundled Payment Reimbursement for Patients Undergoing Anterior and Posterior Procedures for Degenerative Cervical Radiculopathy. <i>Neurosurgery</i> , 2019, 85, E851-E859.	0.6	4
71	Health Care Utilization in Patients Undergoing Repeat Stereotactic Radiosurgery for Vestibular Schwannoma with 5-Year Follow-up: A National Database Analysis. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2022, 83, 019-027.	0.4	4
72	National Trends and Factors Predicting Outcomes Following Laser Interstitial Thermal Therapy for Brain Lesions: Nationwide Inpatient Sample Analysis. <i>World Neurosurgery</i> , 2020, 139, e88-e97.	0.7	4

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73	Impact of Surgical Approaches on Complications, Emergency Room Admissions, and Health Care Utilization in Patients Undergoing Lumbar Fusions for Degenerative Disc Diseases: A MarketScan Database Analysis. <i>World Neurosurgery</i> , 2021, 145, e305-e319.	0.7	4
74	307 Stereotactic Radiosurgery for Pediatric Intracranial Ependymomas. <i>Neurosurgery</i> , 2018, 65, 124-125.	0.6	3
75	Preoperative and Postoperative Opioid Dependence in Patients Undergoing Anterior Cervical Discectomy and Fusion for Degenerative Spinal Disorders. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2021, 82, 232-240.	0.4	3
76	Health Care Utilization and Associated Economic Burden of Postoperative Surgical Site Infection after Spinal Surgery with Follow-Up of 24 Months. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2021, , .	0.4	3
77	High-grade myofibroblastic sarcoma involving the thoracic spine: A rare entity. <i>Clinical Neurology and Neurosurgery</i> , 2020, 199, 106307.	0.6	2
78	Factors Impacting Outcomes and Health Care Utilization in Osteoporotic Patients Undergoing Lumbar Spine Fusions: A MarketScan Database Analysis. <i>World Neurosurgery</i> , 2020, 141, e976-e988.	0.7	2
79	Impact of preoperative treatment of osteoporosis on re-operations, complications and health care utilization in patients undergoing thoraco-lumbar spine fusions. A 5-year national database analysis. <i>Journal of Clinical Neuroscience</i> , 2021, 93, 122-129.	0.8	2
80	Neuromodulation as a last resort option in the treatment of chronic daily headaches in patients with idiopathic intracranial hypertension. <i>Neurology India</i> , 2015, 63, 707.	0.2	2
81	Ruptured Conus Medullaris Dermoid Cyst with Fat Droplets in the Central. <i>Asian Spine Journal</i> , 2013, 7, 50.	0.8	2
82	Peripheral nerve stimulation by "sandwich"™ paddle leads: technical note. <i>Acta Neurochirurgica</i> , 2014, 156, 1987-1989.	0.9	1
83	Peripheral nerve field stimulation for otalgia: A novel therapy for refractory deep ear pain. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , 2014, 1, 101-104.	0.2	1
84	Response Assessment in Neuro-oncology (RANO): An Update. , 2018, , 747-759.		1
85	Traumatic Vertical Cervical Distraction Injury. <i>World Neurosurgery</i> , 2019, 130, 339-340.	0.7	1
86	Letter to the Editor "Regarding Safety and Efficacy of Primary Multisession Dose Fractionated Gamma Knife Radiosurgery for Jugular Paragangliomas" World Neurosurgery, 2019, 131, 303.	0.7	1
87	Letter to editor regarding "Management of perineural (Tarlov) cysts: a population-based cohort study and algorithm for the selection of surgical candidates" Acta Neurochirurgica, 2020, 162, 129-130.	0.9	1
88	Intrathecal baclofen pump implantation in a patient 2 years following a traumatic brain injury resulted in regained oratory capabilities. <i>Neurology India</i> , 2015, 63, 618.	0.2	1
89	Gamma knife ventral capsulotomy for posttraumatic brain injury obsessive-compulsive disorder. <i>Neurology India</i> , 2016, 64, 552.	0.2	1
90	Subacute onset fluctuating sensorium, mimetic facial palsy and vertical supranuclearophthalmoplegia in a young female. <i>Annals of Indian Academy of Neurology</i> , 2012, 15, 255.	0.2	0

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91	Indocyanine green video angiography-assisted surgical management of coil migration resulting from the endovascular treatment of anterior communicating artery aneurysm: Technical case report and instrumentation assessment. <i>Neurology India</i> , 2013, 61, 650.	0.2	0
92	323 Health-Care Utilization and Bundled Payment Reimbursement for Patients Undergoing Anterior and Posterior Procedures for Degenerative Cervical Radiculopathy. <i>Neurosurgery</i> , 2018, 65, 130.	0.6	0
93	Letter to the editor regarding "Reverse Bohlman technique for treatment of high-grade spondylolisthesis in an adult population" <i>Journal of Clinical Neuroscience</i> , 2020, 72, 499.	0.8	0
94	Letter to the Editor Regarding "Laser Interstitial Thermal Therapy to the Posterior Fossa: Challenges and Nuances" <i>World Neurosurgery</i> , 2020, 134, 659.	0.7	0
95	Predictors of the Size and Surgical Freedom of the Trans-Cribriform and Trans-Clival Corridors, a Radiographic Analysis. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 0, , .	0.4	0
96	Thecal sac ligation for the treatment of post-infectious intrathecal-prevertebral CSF fistula in a paraplegic patient. <i>Clinical Neurology and Neurosurgery</i> , 2021, 207, 106803.	0.6	0
97	249. The phenotypes of anxiety and depression: analysis of combined comorbidity and treatment in patients undergoing spinal fusion. <i>Spine Journal</i> , 2021, 21, S128.	0.6	0
98	Unusual Malignant Thoracic Cystic Lesion. <i>World Neurosurgery</i> , 2020, 139, 423-425.	0.7	0
99	Mediastinal Migration of Standalone Cage-Plate Construct Following Multilevel Anterior Cervical Discectomy and Fusion. <i>World Neurosurgery</i> , 2022, 161, 149-151.	0.7	0
100	90-Day Bundled Payment Simulation, Health Care Utilization, and Complications following Craniopharyngioma Resection in Adult Patients. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 0, , .	0.4	0