

Mayur Sharma

List of Publications by Year in descending order

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100
papers

1,646
citations

304743

22
h-index

345221

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. World Neurosurgery, 2019, 130, 415-426.	1.3	175
2	Laser interstitial thermal therapy in the management of brain metastasis and radiation necrosis after radiosurgery: An overview. Expert Review of Neurotherapeutics, 2016, 16, 223-232.	2.8	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. Journal of Neurosurgery: Spine, 2014, 20, 125-141.	1.7	74
4	Gold Nanoparticles for Brain Tumor Imaging: A Systematic Review. Frontiers in Neurology, 2018, 9, 328.	2.4	55
5	Bundled Payment Models in Spine Surgery: Current Challenges and Opportunities, a Systematic Review. World Neurosurgery, 2019, 123, 177-183.	1.3	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. Neurosurgery, 2019, 85, 762-772.	1.1	52
7	Accuracy and safety of targeting using intraoperative "O-arm" during placement of deep brain stimulation electrodes without electrophysiological recordings. Journal of Clinical Neuroscience, 2016, 27, 80-86.	1.5	49
8	Accuracy and precision of targeting using frameless stereotactic system in deep brain stimulator implantation surgery. Neurology India, 2014, 62, 503.	0.4	40
9	Thermal injury to corticospinal tracts and postoperative motor deficits after laser interstitial thermal therapy. Neurosurgical Focus, 2016, 41, E6.	2.3	38
10	Prognostic significance of corticotroph staining in radiosurgery for non-functioning pituitary adenomas: a multicenter study. Journal of Neuro-Oncology, 2017, 135, 67-74.	2.9	38
11	Longitudinal experience with WHO Grade III (anaplastic) meningiomas at a single institution. Journal of Neuro-Oncology, 2017, 131, 555-563.	2.9	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. World Neurosurgery, 2018, 115, e664-e675.	1.3	35
13	Early versus late Gamma Knife radiosurgery following transsphenoidal surgery for nonfunctioning pituitary macroadenomas: a multicenter matched-cohort study. Journal of Neurosurgery, 2018, 129, 648-657.	1.6	34
14	Trends in intracranial meningioma surgery and outcome: a Nationwide Inpatient Sample database analysis from 2001 to 2010. Journal of Neuro-Oncology, 2013, 114, 299-307.	2.9	33
15	Laser Interstitial Thermal Therapy for Posterior Fossa Lesions: An Initial Experience. World Neurosurgery, 2018, 117, e146-e153.	1.3	33
16	Complications and outcomes of surgery for spinal meningioma: A Nationwide Inpatient Sample analysis from 2003 to 2010. Clinical Neurology and Neurosurgery, 2014, 118, 65-68.	1.4	32
17	Magnetic Resonance Thermometry and Laser Interstitial Thermal Therapy for Brain Tumors. Neurosurgery Clinics of North America, 2017, 28, 525-533.	1.7	32
18	Anterior Corpus Callosotomy Using Laser Interstitial Thermal Therapy for Refractory Epilepsy. Stereotactic and Functional Neurosurgery, 2018, 96, 406-411.	1.5	32

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19	Phase II study of Dovitinib in recurrent glioblastoma. <i>Journal of Neuro-Oncology</i> , 2019, 144, 359-368.	2.9	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.	1.7	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.	2.0	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.	0.4	26
23	Outcomes of decompression and fusion for treatment of spinal infection. <i>Neurosurgical Focus</i> , 2019, 46, E7.	2.3	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.	1.7	25
25	Cauda equina schwannoma presenting with intratumoral hemorrhage and intracranial subarachnoid hemorrhage. <i>Journal of Neurosurgery: Spine</i> , 2014, 21, 357-360.	1.7	24
26	Updated response assessment criteria for high-grade glioma: beyond the MacDonald criteria. <i>Chinese Clinical Oncology</i> , 2017, 6, 37-37.	1.2	24
27	Impact of cervicothoracic region stereotactic spine radiosurgery on adjacent organs at risk. <i>Neurosurgical Focus</i> , 2017, 42, E14.	2.3	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.	1.2	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.	1.6	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.	1.5	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.	2.0	21
32	Modulation of mind: therapeutic neuromodulation for cognitive disability. <i>Journal of Clinical Neuroscience</i> , 2014, 21, 1473-1477.	1.5	19
33	Deep brain stimulation in Huntington's disease: Assessment of potential targets. <i>Journal of Clinical Neuroscience</i> , 2015, 22, 812-817.	1.5	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.	1.1	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.	2.8	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.	1.3	15

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37	Stereotactic Radiosurgery for Intracranial Ependymomas: An International Multicenter Study. Neurosurgery, 2019, 84, 227-234.	1.1	13
38	Sandwich technique, peripheral nerve stimulation, peripheral field stimulation and hybrid stimulation for inguinal region and genital pain. British Journal of Neurosurgery, 2016, 30, 631-636.	0.8	12
39	Cumulative Intracranial Tumor Volume and Number of Brain Metastasis as Predictors of Developing New Lesions After Stereotactic Radiosurgery for Brain Metastasis. World Neurosurgery, 2017, 106, 666-675.	1.3	12
40	Health care utilization and overall costs based on opioid dependence in patients undergoing surgery for degenerative spondylolisthesis. Neurosurgical Focus, 2018, 44, E14.	2.3	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. Neurosurgical Focus, 2019, 46, E8.	2.3	12
42	Primary isolated cerebellopontine angle papillary craniopharyngioma. Neurology India, 2012, 60, 438.	0.4	11
43	Gamma Knife radiosurgery for intracranial hemangioblastoma. Journal of Clinical Neuroscience, 2016, 31, 147-151.	1.5	11
44	Intracranial hemorrhage in a young COVID-19 patient. Interdisciplinary Neurosurgery: Advanced Techniques and Case Management, 2020, 22, 100878.	0.3	11
45	National trends in cerebral bypass for unruptured intracranial aneurysms: a National (Nationwide) Inpatient Sample analysis of 1998-2015. Neurosurgical Focus, 2019, 46, E15.	2.3	11
46	Chondromyxoid fibroma of the temporal bone: A rare entity. Journal of Pediatric Neurosciences, 2012, 7, 211.	0.3	11
47	Burden of preoperative opioid use and its impact on healthcare utilization after primary single level lumbar discectomy. Spine Journal, 2021, 21, 1700-1710.	1.3	10
48	Factors predicting the development of new onset post-operative Hydrocephalus following trans-sphenoidal surgery for pituitary adenoma. Clinical Neurology and Neurosurgery, 2013, 115, 1951-1954.	1.4	9
49	Predictors of Academic Neurosurgical Career Trajectory among International Medical Graduates Training Within the United States. Neurosurgery, 2021, 89, 478-485.	1.1	9
50	Variability in the utility of predictive models in predicting patient-reported outcomes following spine surgery for degenerative conditions: a systematic review. Neurosurgical Focus, 2018, 45, E10.	2.3	9
51	Peripheral field stimulation for thoracic post herpetic neuropathic pain. Clinical Neurology and Neurosurgery, 2014, 127, 101-105.	1.4	8
52	Laser interstitial thermal therapy for an eloquent region supratentorial brain lesion. Neurosurgical Focus, 2018, 44, V4.	2.3	8
53	Correlation Between the Residual Tumor Volume, Extent of Tumor Resection, and O6-Methylguanine DNA Methyltransferase Status in Patients with Glioblastoma. World Neurosurgery, 2018, 116, e147-e161.	1.3	8
54	Root cause analysis of epidural spinal cord stimulator implant infections with resolution after implementation of an improved protocol for surgical placement. Journal of Infection Prevention, 2019, 20, 185-190.	0.9	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. World Neurosurgery, 2019, 131, e116-e127.	1.3	8
56	Differences in clinical outcomes and health care utilization between octogenarians and nonagenarians following decompression for lumbar spinal stenosis. A market scan analysis. Clinical Neurology and Neurosurgery, 2019, 182, 63-69.	1.4	8
57	Sacroiliac Joint Fusion System for High-Grade Spondylolisthesis Using “Reverse Bohlman Technique”: A Technical Report and Overview of the Literature. World Neurosurgery, 2019, 124, 331-339.	1.3	7
58	Recombinant Human Bone Morphogenetic Protein-2 Use in Adult Spinal Deformity Surgery: Comparative Analysis and Healthcare Utilization at 24 Months™ Follow-up. Global Spine Journal, 2020, 12, 219256822094737.	2.3	7
59	Surgical Management of Ruptured Isolated Aneurysm of Artery of Adamkiewicz: Interesting Report and Overview of Literature. World Neurosurgery, 2018, 111, 36-40.	1.3	6
60	Evaluation of Predictive Models for Complications following Spinal Surgery. Journal of Neurological Surgery, Part A: Central European Neurosurgery, 2020, 81, 535-545.	0.8	6
61	Deep Brain Stimulation (DBS) : Current and Emerging Applications. Japanese Journal of Neurosurgery, 2014, 23, 648-660.	0.0	5
62	Deep brain stimulation (DBS), lead migration, and the stimloc cap: Complication avoidance. Neurology India, 2014, 62, 703.	0.4	5
63	Health Care Utilization and Payments of Postoperative and Drug Abuse-Related Spinal Infections. Spine, 2019, 44, 1449-1455.	2.0	5
64	Pathologic Correlation of Cellular Imaging Using Apparent Diffusion Coefficient Quantification in Patients with Brain Metastases After Gamma Knife Radiosurgery. World Neurosurgery, 2020, 134, e903-e912.	1.3	5
65	Patterns and Impact of Electronic Health Records-Defined Depression Phenotypes in Spine Surgery. Neurosurgery, 2021, 89, E19-E32.	1.1	5
66	Practical considerations and nuances in anesthesia for patients undergoing deep brain stimulation implantation surgery. Korean Journal of Anesthesiology, 2015, 68, 332.	2.5	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. Journal of Pediatric Neurosciences, 2013, 8, 67.	0.3	5
68	A novel swine model of subarachnoid hemorrhage-induced cerebral vasospasm. Neurology India, 2017, 65, 1035.	0.4	5
69	Interaction between cardiac pacemakers and deep brain stimulation pulse generators: Technical considerations. Basal Ganglia, 2016, 6, 19-22.	0.3	4
70	Ninety-Day Bundled Payment Reimbursement for Patients Undergoing Anterior and Posterior Procedures for Degenerative Cervical Radiculopathy. Neurosurgery, 2019, 85, E851-E859.	1.1	4
71	Health Care Utilization in Patients Undergoing Repeat Stereotactic Radiosurgery for Vestibular Schwannoma with 5-Year Follow-up: A National Database Analysis. Journal of Neurological Surgery, Part B: Skull Base, 2022, 83, 019-027.	0.8	4
72	National Trends and Factors Predicting Outcomes Following Laser Interstitial Thermal Therapy for Brain Lesions: Nationwide Inpatient Sample Analysis. World Neurosurgery, 2020, 139, e88-e97.	1.3	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. World Neurosurgery, 2021, 145, e305-e319.	1.3	4
74	307 Stereotactic Radiosurgery for Pediatric Intracranial Ependymomas. Neurosurgery, 2018, 65, 124-125.	1.1	3
75	Preoperative and Postoperative Opioid Dependence in Patients Undergoing Anterior Cervical Discectomy and Fusion for Degenerative Spinal Disorders. Journal of Neurological Surgery, Part A: Central European Neurosurgery, 2021, 82, 232-240.	0.8	3
76	Health Care Utilization and Associated Economic Burden of Postoperative Surgical Site Infection after Spinal Surgery with Follow-Up of 24 Months. Journal of Neurological Surgery, Part A: Central European Neurosurgery, 2021, , .	0.8	3
77	High-grade myofibroblastic sarcoma involving the thoracic spine: A rare entity. Clinical Neurology and Neurosurgery, 2020, 199, 106307.	1.4	2
78	Factors Impacting Outcomes and Health Care Utilization in Osteoporotic Patients Undergoing Lumbar Spine Fusions: A MarketScan Database Analysis. World Neurosurgery, 2020, 141, e976-e988.	1.3	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. Journal of Clinical Neuroscience, 2021, 93, 122-129.	1.5	2
80	Neuromodulation as a last resort option in the treatment of chronic daily headaches in patients with idiopathic intracranial hypertension. Neurology India, 2015, 63, 707.	0.4	2
81	Ruptured Conus Medullaris Dermoid Cyst with Fat Droplets in the Central. Asian Spine Journal, 2013, 7, 50.	2.0	2
82	Peripheral nerve stimulation by "sandwich"™ paddle leads: technical note. Acta Neurochirurgica, 2014, 156, 1987-1989.	1.7	1
83	Peripheral nerve field stimulation for otalgia: A novel therapy for refractory deep ear pain. Interdisciplinary Neurosurgery: Advanced Techniques and Case Management, 2014, 1, 101-104.	0.3	1
84	Response Assessment in Neuro-oncology (RANO): An Update. , 2018, , 747-759.		1
85	Traumatic Vertical Cervical Distraction Injury. World Neurosurgery, 2019, 130, 339-340.	1.3	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.	1.3	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.	1.7	1
88	Intrathecal baclofen pump implantation in a patient 2 years following a traumatic brain injury resulted in regained oratory capabilities. Neurology India, 2015, 63, 618.	0.4	1
89	Gamma knife ventral capsulotomy for posttraumatic brain injury obsessive-compulsive disorder. Neurology India, 2016, 64, 552.	0.4	1
90	Subacute onset fluctuating sensorium, mimetic facial palsy and vertical supranuclearophthalmoplegia in an young female. Annals of Indian Academy of Neurology, 2012, 15, 255.	0.5	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.	0.4	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.	1.1	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.	1.5	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.	1.3	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, , .	0.8	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.	1.4	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.	1.3	0
98	Unusual Malignant Thoracic Cystic Lesion. <i>World Neurosurgery</i> , 2020, 139, 423-425.	1.3	0
99	Mediastinal Migration of Standalone Cage-Plate Construct Following Multilevel Anterior Cervical Discectomy and Fusion. <i>World Neurosurgery</i> , 2022, 161, 149-151.	1.3	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, , .	0.8	0