

Mayur Sharma

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

96
papers

1,099
citations

20
h-index

28
g-index

100
ext. papers

1,403
ext. citations

2.3
avg, IF

4.71
L-index

#	Paper	IF	Citations
96	Enhanced Recovery After Surgery (ERAS) for Spine Surgery: A Systematic Review. <i>World Neurosurgery</i> , 2019 , 130, 415-426	2.1	87
95	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, 223-32	4.3	68
94	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, 125-41	2.8	58
93	Accuracy and safety of targeting using intraoperative "O-arm" during placement of deep brain stimulation electrodes without electrophysiological recordings. <i>Journal of Clinical Neuroscience</i> , 2016 , 27, 80-6	2.2	41
92	Gold Nanoparticles for Brain Tumor Imaging: A Systematic Review. <i>Frontiers in Neurology</i> , 2018 , 9, 328	4.1	39
91	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	3.2	36
90	Bundled Payment Models in Spine Surgery: Current Challenges and Opportunities, a Systematic Review. <i>World Neurosurgery</i> , 2019 , 123, 177-183	2.1	32
89	Accuracy and precision of targeting using frameless stereotactic system in deep brain stimulator implantation surgery. <i>Neurology India</i> , 2014 , 62, 503-9	0.7	29
88	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	4.8	27
87	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	2.1	27
86	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	2.2	26
85	Thermal injury to corticospinal tracts and postoperative motor deficits after laser interstitial thermal therapy. <i>Neurosurgical Focus</i> , 2016 , 41, E6	4.2	26
84	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	4.8	25
83	Longitudinal experience with WHO Grade III (anaplastic) meningiomas at a single institution. <i>Journal of Neuro-Oncology</i> , 2017 , 131, 555-563	4.8	24
82	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, 65-8	2	23
81	Anterior Corpus Callosotomy Using Laser Interstitial Thermal Therapy for Refractory Epilepsy. <i>Stereotactic and Functional Neurosurgery</i> , 2018 , 96, 406-411	1.6	23
80	Magnetic Resonance Thermometry and Laser Interstitial Thermal Therapy for Brain Tumors. <i>Neurosurgery Clinics of North America</i> , 2017 , 28, 525-533	4	22

79	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, 270-6	0.7	21
78	Laser Interstitial Thermal Therapy for Posterior Fossa Lesions: An Initial Experience. <i>World Neurosurgery</i> , 2018 , 117, e146-e153	2.1	21
77	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	2.8	20
76	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	2.2	19
75	Primary Lumbo-sacral Spinal Epidural Non-Hodgkin's Lymphoma: A Case Report and Review of Literature. <i>Asian Spine Journal</i> , 2011 , 5, 192-5	2.8	19
74	Cauda equina schwannoma presenting with intratumoral hemorrhage and intracranial subarachnoid hemorrhage. <i>Journal of Neurosurgery: Spine</i> , 2014 , 21, 357-60	2.8	18
73	Updated response assessment criteria for high-grade glioma: beyond the MacDonald criteria. <i>Chinese Clinical Oncology</i> , 2017 , 6, 37	2.3	17
72	Impact of cervicothoracic region stereotactic spine radiosurgery on adjacent organs at risk. <i>Neurosurgical Focus</i> , 2017 , 42, E14	4.2	16
71	Phase II study of Dovitinib in recurrent glioblastoma. <i>Journal of Neuro-Oncology</i> , 2019 , 144, 359-368	4.8	16
70	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	4.8	15
69	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 , 1-12	2.8	14
68	Opioid Dependence and Health Care Utilization After Decompression and Fusion in Patients With Adult Degenerative Scoliosis. <i>Spine</i> , 2019 , 44, 280-290	3.3	14
67	Modulation of mind: therapeutic neuromodulation for cognitive disability. <i>Journal of Clinical Neuroscience</i> , 2014 , 21, 1473-7	2.2	14
66	Outcomes of decompression and fusion for treatment of spinal infection. <i>Neurosurgical Focus</i> , 2019 , 46, E7	4.2	13
65	Outcomes and prognostic stratification of patients with recurrent glioblastoma treated with salvage stereotactic radiosurgery. <i>Journal of Neurosurgery</i> , 2018 , 131, 489-499	3.2	13
64	Deep brain stimulation in Huntington's disease: assessment of potential targets. <i>Journal of Clinical Neuroscience</i> , 2015 , 22, 812-7	2.2	12
63	Long-Term Outcome Following Stereotactic Radiosurgery for Glomus Jugulare Tumors: A Single Institution Experience of 20 Years. <i>Neurosurgery</i> , 2018 , 83, 1007-1014	3.2	11
62	Health care utilization and overall costs based on opioid dependence in patients undergoing surgery for degenerative spondylolisthesis. <i>Neurosurgical Focus</i> , 2018 , 44, E14	4.2	11

61	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	11
60	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	2.1	10
59	Primary isolated cerebellopontine angle papillary craniopharyngioma. <i>Neurology India</i> , 2012 , 60, 438-9	0.7	9
58	Peripheral field stimulation for thoracic post herpetic neuropathic pain. <i>Clinical Neurology and Neurosurgery</i> , 2014 , 127, 101-5	2	8
57	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, 1951-4	2	8
56	Chondromyxoid fibroma of the temporal bone: A rare entity. <i>Journal of Pediatric Neurosciences</i> , 2012 , 7, 211-4	0.5	8
55	Intracranial hemorrhage in a young COVID-19 patient. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , 2020 , 22, 100878	0.5	8
54	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	1	8
53	Stereotactic Radiosurgery for Intracranial Ependymomas: An International Multicenter Study. <i>Neurosurgery</i> , 2019 , 84, 227-234	3.2	8
52	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	4.2	7
51	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	2.1	7
50	Correlation Between the Residual Tumor Volume, Extent of Tumor Resection, and O-Methylguanine DNA Methyltransferase Status in Patients with Glioblastoma. <i>World Neurosurgery</i> , 2018 , 116, e147-e161	2.1	6
49	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	4.2	6
48	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	4.2	6
47	Gamma Knife radiosurgery for intracranial hemangioblastoma. <i>Journal of Clinical Neuroscience</i> , 2016 , 31, 147-51	2.2	6
46	Laser interstitial thermal therapy for an eloquent region supratentorial brain lesion. <i>Neurosurgical Focus</i> , 2018 , 44, V4	4.2	5
45	Deep Brain Stimulation (DBS) : Current and Emerging Applications. <i>Japanese Journal of Neurosurgery</i> , 2014 , 23, 648-660	0	5
44	Surgical Management of Ruptured Isolated Aneurysm of Artery of Adamkiewicz: Interesting Report and Overview of Literature. <i>World Neurosurgery</i> , 2018 , 111, 36-40	2.1	5

43	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	2	4
42	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	1.1	4
41	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	2.1	4
40	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, 67-9	0.5	4
39	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> , 2022 , 12, 92-101	2.7	4
38	Predictors of Academic Neurosurgical Career Trajectory among International Medical Graduates Training Within the United States. <i>Neurosurgery</i> , 2021 , 89, 478-485	3.2	4
37	Health Care Utilization and Payments of Postoperative and Drug Abuse-Related Spinal Infections. <i>Spine</i> , 2019 , 44, 1449-1455	3.3	4
36	Interaction between cardiac pacemakers and deep brain stimulation pulse generators: Technical considerations. <i>Basal Ganglia</i> , 2016 , 6, 19-22		3
35	Ninety-Day Bundled Payment Reimbursement for Patients Undergoing Anterior and Posterior Procedures for Degenerative Cervical Radiculopathy. <i>Neurosurgery</i> , 2019 , 85, E851-E859	3.2	3
34	Deep brain stimulation (DBS), lead migration, and the stimloc cap: complication avoidance. <i>Neurology India</i> , 2014 , 62, 703-4	0.7	3
33	A novel swine model of subarachnoid hemorrhage-induced cerebral vasospasm. <i>Neurology India</i> , 2017 , 65, 1035-1042	0.7	3
32	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	2.1	2
31	307 Stereotactic Radiosurgery for Pediatric Intracranial Ependymomas: An International Multicenter Study. <i>Neurosurgery</i> , 2018 , 65, 124-125	3.2	2
30	Practical considerations and nuances in anesthesia for patients undergoing deep brain stimulation implantation surgery. <i>Korean Journal of Anesthesiology</i> , 2015 , 68, 332-9	3.8	2
29	Ruptured conus medullaris dermoid cyst with fat droplets in the central canal [corrected]. <i>Asian Spine Journal</i> , 2013 , 7, 50-4	2.8	2
28	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	2.1	2
27	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	4	2
26	Patterns and Impact of Electronic Health Records-Defined Depression Phenotypes in Spine Surgery. <i>Neurosurgery</i> , 2021 , 89, E19-E32	3.2	2

25	Sacro-iliac joint fusion system for high-grade Spondylolisthesis using "Reverse Bohlman technique": a technical report and overview of the literature. <i>World Neurosurgery</i> , 2019 ,	2.1	2
24	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	2.1	2
23	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	2.1	1
22	Traumatic Vertical Cervical Distraction Injury. <i>World Neurosurgery</i> , 2019 , 130, 339-340	2.1	1
21	Peripheral nerve stimulation by TbandwichTpaddle leads: technical note. <i>Acta Neurochirurgica</i> , 2014 , 156, 1987-9	3	1
20	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	0.5	1
19	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, 707-11	0.7	1
18	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, 618-9	0.7	1
17	Gamma knife ventral capsulotomy for posttraumatic brain injury obsessive-compulsive disorder. <i>Neurology India</i> , 2016 , 64, 552-4	0.7	1
16	High-grade myofibroblastic sarcoma involving the thoracic spine: A rare entity. <i>Clinical Neurology and Neurosurgery</i> , 2020 , 199, 106307	2	1
15	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, 19-27	1.5	1
14	Evaluation of Predictive Models for Complications following Spinal Surgery. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2020 , 81, 535-545	1.1	1
13	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 ,	1.1	1
12	Letter to the Editor "Regarding Safety and Efficacy of Primary Multisession Dose Fractionated Gamma Knife Radiosurgery for Jugular Paragangliomas". <i>World Neurosurgery</i> , 2019 , 131, 303	2.1	1
11	Response Assessment in Neuro-oncology (RANO): An Update 2018 , 747-759		1
10	Letter to editor regarding "Management of perineural (Tarlov) cysts: a population-based cohort study and algorithm for the selection of surgical candidates". <i>Acta Neurochirurgica</i> , 2020 , 162, 129-130	3	0
9	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	2.2	0
8	Letter to the Editor Regarding "Laser Interstitial Thermal Therapy to the Posterior Fossa: Challenges and Nuances". <i>World Neurosurgery</i> , 2020 , 134, 659	2.1	

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| 7 | 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, 650-2 | 0.7 |
| 6 | Subacute onset fluctuating sensorium, mimetic facial palsy and vertical supranuclearophthalmoplegia in a young female. <i>Annals of Indian Academy of Neurology</i> , 2012 , 15, 255-9 ⁹ | 0.9 |
| 5 | Unusual Malignant Thoracic Cystic Lesion. <i>World Neurosurgery</i> , 2020 , 139, 423-425 | 2.1 |
| 4 | 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 | 2.2 |
| 3 | 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 | 1.1 |
| 2 | 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 | 2 |
| 1 | 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> , | 1.5 |