

Karthik Madhavan

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

969
citations

394421

19
h-index

454955

30
g-index

59
all docs

59
docs citations

59
times ranked

1365
citing authors

#	ARTICLE	IF	CITATIONS
1	Elevated body mass index and risk of postoperative CSF leak following transsphenoidal surgery. <i>Journal of Neurosurgery</i> , 2012, 116, 1311-1317.	1.6	124
2	Reductions in length of stay, narcotics use, and pain following implementation of an enhanced recovery after surgery program for 1- to 3-level lumbar fusion surgery. <i>Neurosurgical Focus</i> , 2019, 46, E4.	2.3	86
3	Augmented-reality integrated robotics in neurosurgery: are we there yet?. <i>Neurosurgical Focus</i> , 2017, 42, E3.	2.3	61
4	Predictors of Long-Term Survival in Patients With Glioblastoma Multiforme: Advancements From the Last Quarter Century. <i>Cancer Investigation</i> , 2013, 31, 287-308.	1.3	56
5	Prophylactic vertebral cement augmentation at the uppermost instrumented vertebra and rostral adjacent vertebra for the prevention of proximal junctional kyphosis and failure following long-segment fusion for adult spinal deformity. <i>Spine Journal</i> , 2017, 17, 1499-1505.	1.3	56
6	Preoperative third ventricular bowing as a predictor of endoscopic third ventriculostomy success. <i>Journal of Neurosurgery: Pediatrics</i> , 2012, 9, 182-190.	1.3	50
7	The History of and Controversy over Kaminâ€™s Triangle: A Historical Analysis of the Lumbar Transforaminal Corridor for Endoscopic and Surgical Approaches. <i>World Neurosurgery</i> , 2019, 123, 402-408.	1.3	47
8	THE HISTORY OF SPINAL DEFORMITY. <i>Neurosurgery</i> , 2008, 63, A5-A15.	1.1	31
9	Surgical outcomes of elderly patients with cervical spondylotic myelopathy: a meta-analysis of studies reporting on 2868 patients. <i>Neurosurgical Focus</i> , 2016, 40, E13.	2.3	29
10	Direct lateral retroperitoneal approach for the surgical treatment of lumbar discitis and osteomyelitis. <i>Neurosurgical Focus</i> , 2014, 37, E5.	2.3	25
11	Minimally-Invasive versus Conventional Repair of Spondylolysis in Athletes: A Review of Outcomes and Return to Play. <i>Asian Spine Journal</i> , 2017, 11, 832-842.	2.0	24
12	Managing Intracranial Incidental Findings Suggestive of Low-Grade Glioma: Learning from Experience. <i>World Neurosurgery</i> , 2013, 80, e75-e77.	1.3	23
13	Early experience with endoscopic foraminotomy in patients with moderate degenerative deformity. <i>Neurosurgical Focus</i> , 2016, 40, E6.	2.3	23
14	Metals in Spine. <i>World Neurosurgery</i> , 2017, 100, 619-627.	1.3	22
15	The Role of Dynamic Magnetic Resonance Imaging in Cervical Spondylotic Myelopathy. <i>Asian Spine Journal</i> , 2017, 11, 1008-1015.	2.0	22
16	The management of incidental low-grade gliomas using magnetic resonance imaging: systematic review and optimal treatment paradigm. <i>Neurosurgical Focus</i> , 2011, 31, E12.	2.3	21
17	A Review of Stereotactic Radiosurgery Practice in the Management of Skull Base Meningiomas. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2014, 75, 152-158.	0.8	21
18	Mini-Open Pedicle Subtraction Osteotomy: Surgical Technique. <i>World Neurosurgery</i> , 2014, 81, 843.e11-843.e14.	1.3	21

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19	Deep brain stimulation as a treatment for Parkinson's disease related camptocormia. Journal of Clinical Neuroscience, 2015, 22, 1555-1561.	1.5	20
20	Effects of Body Mass Index on Perioperative Outcomes in Patients Undergoing Anterior Cervical Discectomy and Fusion Surgery. Neurospine, 2021, 18, 79-86.	2.9	20
21	Spondylodiscitis in end-stage renal disease: a systematic review. Journal of Neurosurgery: Spine, 2019, 30, 674-682.	1.7	19
22	Impact of Psychiatric Comorbidities on Short-Term Outcomes Following Intervention for Lumbar Degenerative Disc Disease. Spine, 2018, 43, 1363-1371.	2.0	17
23	Early experience with endoscopic revision of lumbar spinal fusions. Neurosurgical Focus, 2016, 40, E10.	2.3	16
24	Anterior Thigh Compartment Syndrome and Local Myonecrosis After Posterior Spine Surgery on a Jackson Table. World Neurosurgery, 2012, 78, 553.e5-553.e8.	1.3	14
25	GENETICS OF SCOLIOSIS. Neurosurgery, 2008, 63, A222-A227.	1.1	13
26	Transdural approach to resection of retro-odontoid cysts in elderly patients: report of 3 cases. Journal of Neurosurgery: Spine, 2018, 28, 236-243.	1.7	13
27	The Use of Intraoperative Electromyogram During Spinal Cord Stimulator Placement Surgery: A Case Series. World Neurosurgery, 2017, 100, 74-84.	1.3	12
28	Transsphenoidal Approach for Pituitary Adenomas in Elderly Patients. World Neurosurgery, 2019, 121, e670-e674.	1.3	12
29	Deep brain stimulation complicated by bilateral large cystic cavitation around the leads in a patient with Parkinson's disease. BMJ Case Reports, 2015, 2015, bcr2015211470.	0.5	10
30	The Use of Modest Systemic Hypothermia After Iatrogenic Spinal Cord Injury During Surgery. Therapeutic Hypothermia and Temperature Management, 2012, 2, 183-192.	0.9	9
31	Pooled data analysis on anterior versus posterior approach for rheumatoid arthritis at the craniovertebral junction. Neurosurgical Focus, 2015, 38, E18.	2.3	8
32	Inpatient Outcomes After Elective Lumbar Spinal Fusion for Patients with Human Immunodeficiency Virus in the Absence of Acquired Immunodeficiency Syndrome. World Neurosurgery, 2018, 116, e913-e920.	1.3	8
33	A novel technique for stabilization of high-grade spondylolisthesis with transvertebral fusion without reduction. Journal of Clinical Neuroscience, 2019, 60, 170-175.	1.5	7
34	Short-term safety of tranexamic acid use in posterior cervical decompression and fusion surgery. Journal of Clinical Neuroscience, 2019, 66, 41-44.	1.5	6
35	Transforaminal endoscopic discectomy to relieve sciatica and delay fusion in a 31-year-old man with pars defects and low-grade spondylolisthesis. Neurosurgical Focus, 2016, 40, E4.	2.3	5
36	Tuberculoma of the brain with unknown primary infection in an immunocompetent host. Journal of Clinical Neuroscience, 2012, 19, 1320-1322.	1.5	4

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37	Adjuvant whole brain radiation following resection of brain metastases. Journal of Clinical Neuroscience, 2013, 20, 771-775.	1.5	3
38	Indeterminate Dendritic Cell Tumor in Thoracic Spine: A Case Report. World Neurosurgery, 2017, 108, 543-547.	1.3	3
39	Anomalous origins of the calcarine and parieto-occipital arteries. Journal of Clinical Neuroscience, 2010, 17, 1334-1336.	1.5	2
40	Duty Hour Restrictions, Revisited: Second Year of FIRST Trial. World Neurosurgery, 2017, 106, 973-974.	1.3	2
41	Endoscope-Assisted Abscess Drainage Secondary to Endoscope-Assisted Transforaminal Lumbar Interbody Fusion: 1-Year Follow-Up. World Neurosurgery, 2017, 107, 511-514.	1.3	2
42	Citizens Urge U.S. Food and Drug Administration to Restrict High-Potency Opioids. World Neurosurgery, 2017, 108, 959-960.	1.3	2
43	171 Psychiatric Comorbidities - What to Expect Post Spine Surgery. Neurosurgery, 2017, 64, 244.	1.1	0
44	Editorial. Developing next-generation systems for surgical navigation. Journal of Neurosurgery: Spine, 2018, 28, 355-356.	1.7	0
45	Thursday, September 27, 2018 1:05 PM–2:05 PM Understanding Anxiety and Depression when Performing Spine Surgery. Spine Journal, 2018, 18, S58-S59.	1.3	0
46	329 Prolonged Use of Narcotic Following Lumbar Spine Surgery. Neurosurgery, 2018, 65, 132.	1.1	0
47	Saturday, September 29, 2018 9:00 am–10:00 am A Fresh Look at Opioids. Spine Journal, 2018, 18, S136.	1.3	0
48	338 Reduced Postoperative Pain and Narcotic Consumption With ERAS® TLIF. Neurosurgery, 2018, 65, 135-136.	1.1	0
49	320 Enhanced Recovery Protocol for Lumbar Fusion. Neurosurgery, 2018, 65, 129.	1.1	0
50	18. Safety and efficacy of tranexamic acid use in posterior cervical decompression and fusion surgery. Spine Journal, 2019, 19, S9.	1.3	0
51	Fish-Mouth Thoracic Fracture Fixation with Minimally Invasive Percutaneous Reduction: A Technical Note. World Neurosurgery, 2019, 122, 106-111.	1.3	0
52	P21. Inpatient outcomes after elective lumbar spinal fusion for patients with human immunodeficiency virus in the absence of acquired immunodeficiency syndrome. Spine Journal, 2020, 20, S157.	1.3	0
53	Neurologic examination of the infant and child. , 2017, , 93-98.		0
54	Severe traumatic brain injury. , 2017, , 207-216.		0

#	ARTICLE	IF	CITATIONS
55	The Utility of Magnetic Resonance Imaging-compatible Pacemakers in Neurosurgical Patients. Cureus, 2018, 10, e3374.	0.5	0
56	Percutaneous Lumbar Screws. , 2020, , 211-221.		0