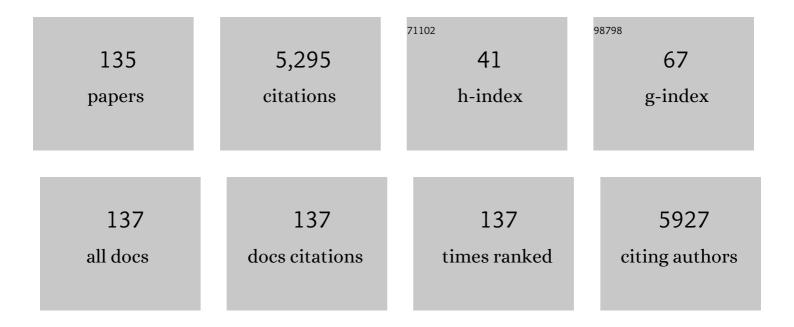
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Late Recurrences of Cushing's Disease after Initial Successful Transsphenoidal Surgery. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 358-362.	3.6	273
2	Risk Factors for Postoperative Spinal Wound Infections After Spinal Decompression and Fusion Surgeries. Spine, 2009, 34, 1869-1872.	2.0	229
3	National trends in spinal arteriovenous malformations. Neurosurgical Focus, 2009, 26, 1-5.	2.3	191
4	Differential Expression of Synaptic Proteins in the Frontal and Temporal Cortex of Elderly Subjects With Mild Cognitive Impairment. Journal of Neuropathology and Experimental Neurology, 2006, 65, 592-601.	1.7	183
5	Effects of Age and Comorbidities on Complication Rates and Adverse Outcomes After Lumbar Laminectomy in Elderly Patients. Spine, 2008, 33, 1250-1255.	2.0	146
6	CERVICAL SPONDYLOTIC MYELOPATHY. Neurosurgery, 2008, 62, 455-462.	1.1	144
7	Leptomeningeal disease: current diagnostic and therapeutic strategies. Oncotarget, 2017, 8, 73312-73328.	1.8	130
8	Visual Loss After Spine Surgery. Spine, 2008, 33, 1491-1496.	2.0	128
9	Effect of High-frequency (10-kHz) Spinal Cord Stimulation in Patients With Painful Diabetic Neuropathy. JAMA Neurology, 2021, 78, 687.	9.0	122
10	National trends in spinal fusion for cervical spondylotic myelopathy. World Neurosurgery, 2009, 71, 66-69.	1.3	117
11	Spinal Surgery. Spine, 2014, 39, 1235-1242.	2.0	112
12	Preoperative Serum Albumin Level as a Predictor of Postoperative Complication After Spine Fusion. Spine, 2014, 39, 1513-1519.	2.0	109
13	The Neurostimulation Appropriateness Consensus Committee (NACC) Recommendations for Infection Prevention and Management. Neuromodulation, 2017, 20, 31-50.	0.8	108
14	The Neurostimulation Appropriateness Consensus Committee (NACC) Safety Guidelines for the Reduction of Severe Neurological Injury. Neuromodulation, 2017, 20, 15-30.	0.8	97
15	Inpatient complications, mortality, and discharge disposition after surgical correction of idiopathic scoliosis: a national perspective. Spine Journal, 2008, 8, 904-910.	1.3	94
16	Effect of Advancing Age on Outcomes of Deep Brain Stimulation for Parkinson Disease. JAMA Neurology, 2014, 71, 1290.	9.0	89
17	Experience With Intrawound Vancomycin Powder for Spinal Deformity Surgery. Spine, 2014, 39, 177-184.	2.0	88
18	Postmortem diffusion MRI of the human brainstem and thalamus for deep brain stimulator electrode localization. Human Brain Mapping, 2015, 36, 3167-3178.	3.6	84

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19	Trends in Median, Ulnar, Radial, and Brachioplexus Nerve Injuries in the United States. Neurosurgery, 2010, 66, 953-960.	1.1	82
20	Proteomic Biomarker Discovery in Cerebrospinal Fluid for Cerebral Vasospasm Following Subarachnoid Hemorrhage. Journal of Stroke and Cerebrovascular Diseases, 2012, 21, 30-41.	1.6	76
21	Cancer After Spinal Fusion. Neurosurgery, 2013, 73, 440-449.	1.1	70
22	Individual and Combined Effects of TrkA and p75NTR Nerve Growth Factor Receptors. Journal of Biological Chemistry, 2003, 278, 24808-24817.	3.4	67
23	Efficacy and safety of CyberKnife radiosurgery for acromegaly. Pituitary, 2007, 10, 19-25.	2.9	66
24	Racial Disparities in Outcomes of Spinal Surgery for Lumbar Stenosis. Spine, 2013, 38, 927-935.	2.0	66
25	The Neurostimulation Appropriateness Consensus Committee (NACC): Recommendations on Bleeding and Coagulation Management in Neurostimulation Devices. Neuromodulation, 2017, 20, 51-62.	0.8	66
26	The Appropriate Use of Neurostimulation: Stimulation of the Intracranial and Extracranial Space and Head for Chronic Pain. Neuromodulation, 2014, 17, 551-570.	0.8	64
27	Enhancing Reality: A Systematic Review of Augmented Reality in Neuronavigation and Education. World Neurosurgery, 2020, 139, 186-195.	1.3	64
28	Trends in the Use of Bone Morphogenetic Protein as a Substitute to Autologous Iliac Crest Bone Grafting for Spinal Fusion Procedures in the United States. Spine, 2011, 36, E274-E281.	2.0	56
29	Evaluation of Intradural Stimulation Efficiency and Selectivity in a Computational Model of Spinal Cord Stimulation. PLoS ONE, 2014, 9, e114938.	2.5	56
30	Effect of Insurance and Racial Disparities on Outcomes in Traumatic Brain Injury. Journal of Neurological Surgery, Part A: Central European Neurosurgery, 2015, 76, 224-232.	0.8	55
31	The Incidence of Spinal Cord Injury in Implantation of Percutaneous and Paddle Electrodes for Spinal Cord Stimulation. Neuromodulation, 2016, 19, 85-90.	0.8	54
32	Racial disparities in medicaid patients after brain tumor surgery. Journal of Clinical Neuroscience, 2013, 20, 57-61.	1.5	53
33	Long-term Economic Impact of Coiling vs Clipping for Unruptured Intracranial Aneurysms. Neurosurgery, 2013, 72, 1000-1013.	1.1	53
34	Worse outcomes for patients undergoing brain tumor and cerebrovascular procedures following the ACGME resident duty-hour restrictions. Journal of Neurosurgery, 2014, 121, 262-276.	1.6	52
35	National trends in vertebral augmentation procedures for the treatment of vertebral compression fractures. World Neurosurgery, 2009, 71, 580-584.	1.3	50
36	Hospital costs, incidence, and inhospital mortality rates of traumatic subdural hematoma in the United States. Journal of Neurosurgery, 2011, 115, 1013-1018.	1.6	49

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37	Experience with intrawound vancomycin powder for posterior cervical fusion surgery. Journal of Neurosurgery: Spine, 2015, 22, 26-33.	1.7	49
38	Explantation Rates and Healthcare Resource Utilization in Spinal Cord Stimulation. Neuromodulation, 2017, 20, 331-339.	0.8	49
39	Withdrawal of Life-supporting Treatment in Severe Traumatic Brain Injury. JAMA Surgery, 2020, 155, 723.	4.3	48
40	Longer Delay From Chronic Pain to Spinal Cord Stimulation Results in Higher Healthcare Resource Utilization. Neuromodulation, 2016, 19, 469-476.	0.8	44
41	Utilization of Spinal Cord Stimulation in Patients With Failed Back Surgery Syndrome. Spine, 2014, 39, E719-E727.	2.0	43
42	Complications, Reoperation Rates, and Health-Care Cost Following Surgical Treatment of Lumbar Spondylolisthesis. Journal of Bone and Joint Surgery - Series A, 2013, 95, e162.	3.0	41
43	Distinction between differentiation, cell cycle, and apoptosis signals in PC12 cells by the nerve growth factor mutant ?9/13, which is selective for the p75 neurotrophin receptor. Journal of Neuroscience Research, 2001, 63, 10-19.	2.9	40
44	Surgery for Spinal Stenosis. Spine, 2014, 39, 978-987.	2.0	39
45	Morbidity, mortality, and health care costs for patients undergoing spine surgery following the ACGME resident duty-hour reform. Journal of Neurosurgery: Spine, 2014, 21, 502-515.	1.7	38
46	Prevalence, healthcare resource utilization and overall burden of fungal meningitis in the United States. Journal of Medical Microbiology, 2018, 67, 215-227.	1.8	38
47	Trends in pathological vertebral fractures in the United States: 1993 to 2004. Journal of Neurosurgery: Spine, 2007, 7, 305-310.	1.7	37
48	Socioeconomic Trends in Hospitalization for Multiple Sclerosis. Neuroepidemiology, 2010, 35, 93-99.	2.3	37
49	Racial and Gender Disparities and the Role of Primary Tumor Type on Inpatient Outcomes Following Craniotomy for Brain Metastases. Annals of Surgical Oncology, 2012, 19, 2657-2663.	1.5	36
50	Review of Neurosurgery Medical Professional Liability Claims in the United States. Neurosurgery, 2018, 83, 997-1006.	1.1	36
51	Prevalence and Cost Analysis of Complex Regional Pain Syndrome (CRPS): A Role for Neuromodulation. Neuromodulation, 2018, 21, 423-430.	0.8	35
52	CYBERKNIFE TARGETING THE PTERYGOPALATINE GANGLION FOR THE TREATMENT OF CHRONIC CLUSTER HEADACHES. Neurosurgery, 2007, 60, E580-E581.	1.1	34
53	Painful diabetic peripheral neuropathy. Neurology: Clinical Practice, 2020, 10, 47-57.	1.6	34
54	Laminectomy and Fusion after Spinal Cord Injury: National Inpatient Complications and Outcomes. Journal of Neurotrauma, 2008, 25, 173-183.	3.4	33

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55	Influence of racial disparities on patient-reported satisfaction and short- and long-term perception of health status after elective lumbar spine surgery. Journal of Neurosurgery: Spine, 2018, 29, 40-45.	1.7	33
56	Disparities in the Outcomes of Lumbar Spinal Stenosis Surgery Based on Insurance Status. Spine, 2013, 38, 1119-1127.	2.0	32
57	Racial Disparities in Outcomes after Spinal Cord Injury. Journal of Neurotrauma, 2013, 30, 492-497.	3.4	32
58	An implantable restorative-neurostimulator for refractory mechanical chronic low back pain: a randomized sham-controlled clinical trial. Pain, 2021, 162, 2486-2498.	4.2	32
59	Retrospective, Propensity Score-Matched Cohort Study Examining Timing of Fracture Fixation for Traumatic Thoracolumbar Fractures. Journal of Neurotrauma, 2012, 29, 2220-2225.	3.4	29
60	The Volume-Outcome Effect: Impact on Trial-to-Permanent Conversion Rates in Spinal Cord Stimulation. Neuromodulation, 2017, 20, 256-262.	0.8	28
61	Novel Treatment of Cryptococcal Meningitis via Neurapheresis Therapy. Journal of Infectious Diseases, 2018, 218, 1147-1154.	4.0	28
62	Comparison of Bilateral vs. Staged Unilateral Deep Brain Stimulation (DBS) in Parkinson's Disease in Patients Under 70 Years of Age. Neuromodulation, 2016, 19, 31-37.	0.8	27
63	Postmortem diffusion MRI of the entire human spinal cord at microscopic resolution. NeuroImage: Clinical, 2018, 18, 963-971.	2.7	27
64	Long-term Cost Utility of Spinal Cord Stimulation in Patients with Failed Back Surgery Syndrome. Pain Physician, 2017, 20, E797-E805.	0.4	27
65	Timing of tracheostomy after anterior cervical spine fixation. Journal of Trauma and Acute Care Surgery, 2013, 74, 961-966.	2.1	25
66	Differences in the outcomes of anterior versus posterior interbody fusion surgery of the lumbar spine: A propensity score-controlled cohort analysis of 10,941 patients. Journal of Clinical Neuroscience, 2015, 22, 848-853.	1.5	25
67	Impact of Spinal Cord Stimulation on Opioid Dose Reduction: A Nationwide Analysis. Neurosurgery, 2021, 88, 193-201.	1.1	25
68	Prevalence of Specific Types of Pain Diagnoses in a Sample of United States Adults. Pain Physician, 2017, 20, E257-E268.	0.4	25
69	Outcomes after cervical laminectomy with instrumented fusion versus expansile laminoplasty: A propensity matched study of 3185 patients. Journal of Clinical Neuroscience, 2015, 22, 549-553.	1.5	23
70	Impact of Increasing Age on Outcomes of Spinal Fusion in Adult Idiopathic Scoliosis. World Neurosurgery, 2016, 87, 591-597.	1.3	23
71	Interspinous device versus laminectomy for lumbar spinal stenosis: a comparative effectiveness study. Spine Journal, 2014, 14, 1484-1492.	1.3	22
72	Impact of advancing age on post-operative complications of deep brain stimulation surgery for essential tremor. Journal of Clinical Neuroscience, 2015, 22, 872-876.	1.5	22

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73	Independent Associations With 30- and 90-Day Unplanned Readmissions After Elective Lumbar Spine Surgery: A National Trend Analysis of 144 123 Patients. Neurosurgery, 2019, 84, 758-767.	1.1	22
74	Treatment of nonsurgical refractory back pain with high-frequency spinal cord stimulation at 10 kHz: 12-month results of a pragmatic, multicenter, randomized controlled trial. Journal of Neurosurgery: Spine, 2022, 37, 188-199.	1.7	22
75	Trend and Geographic Analysis for Traumatic Brain Injury Mortality and Cost Based on MarketScan Database. Journal of Neurotrauma, 2013, 30, 1755-1761.	3.4	21
76	Activation of the mitogen-activated protein kinase pathway through p75NTR: A common mechanism for the neurotrophin family. Journal of Neuroscience Research, 2003, 73, 614-626.	2.9	20
77	Toward Functional Restoration of the Central Nervous System: A Review of Translational Neuroscience Principles. Neurosurgery, 2019, 84, 30-40.	1.1	20
78	Drivers and Risk Factors of Unplanned 30-Day Readmission Following Spinal Cord Stimulator Implantation. Neuromodulation, 2018, 21, 87-92.	0.8	19
79	Surgical Options for Atypical Facial Pain Syndromes. Neurosurgery Clinics of North America, 2016, 27, 365-370.	1.7	18
80	Healthcare Economics of Hydrocephalus After Aneurysmal Subarachnoid Hemorrhage in the United States. Translational Stroke Research, 2019, 10, 650-663.	4.2	18
81	A high-resolution interactive atlas of the human brainstem using magnetic resonance imaging. NeuroImage, 2021, 237, 118135.	4.2	18
82	Comparison of Vertebroplasty, Kyphoplasty, and Nonsurgical Management of Vertebral Compression Fractures and Impact on US Healthcare Resource Utilization. Asian Spine Journal, 2014, 8, 605.	2.0	18
83	Impact of Insurance Provider on Overall Costs in Failed Back Surgery Syndrome: A Cost Study of 122,827 Patients. Neuromodulation, 2017, 20, 354-360.	0.8	17
84	Specialty-Based Variations in Spinal Cord Stimulation Success Rates for Treatment of Chronic Pain. Neuromodulation, 2017, 20, 340-347.	0.8	17
85	Comparing outcomes of early, late, and non-surgical management of intraspinal abscess. Journal of Clinical Neuroscience, 2017, 36, 64-71.	1.5	17
86	Health Care Resource Utilization and Management of Chronic, Refractory Low Back Pain in the United States. Spine, 2020, 45, E1333-E1341.	2.0	17
87	Prevalence of Specific Types of Pain Diagnoses in a Sample of United States Adults. Pain Physician, 2017, 2, E257-E268.	0.4	17
88	Long-Term Outcomes of Restorative Neurostimulation in Patients With Refractory Chronic Low Back Pain Secondary to Multifidus Dysfunction: Two-Year Results of the ReActiv8-B Pivotal Trial. Neuromodulation, 2023, 26, 87-97.	0.8	17
89	A Smartphone App With a Digital Care Pathway for Patients Undergoing Spine Surgery: Development and Feasibility Study. JMIR Perioperative Medicine, 2020, 3, e21138.	1.0	16
90	Editorial: SEER insights. Journal of Neurosurgery, 2014, 120, 297-299.	1.6	14

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91	Mobile Health Application for Patients Undergoing Breast Cancer Surgery: Feasibility Study. JCO Oncology Practice, 2021, 17, e1344-e1353.	2.9	14
92	Radiological Evidence of Spontaneous Spinal Arthrodesis in Patients With Lower Lumbar Spondylolisthesis. Spine, 2014, 39, 656-663.	2.0	13
93	Munchausen's Syndrome in Neurosurgery: Report of Two Cases and Review of the Literature. Neurosurgery, 2004, 55, E1459-E1462.	1.1	12
94	Effectiveness of radiotherapy for elderly patients with anaplastic gliomas. Journal of Clinical Neuroscience, 2014, 21, 773-778.	1.5	12
95	Carotid and Vertebral Rete Mirabile in Man Presenting With Intraparenchymal Hemorrhage: A Case Report. Journal of Stroke and Cerebrovascular Diseases, 2006, 15, 228-231.	1.6	11
96	Novel Dual Lumen Catheter and Filtration Device for Removal of Subarachnoid hemorrhage: First Case Report. Operative Neurosurgery, 2019, 16, E148-E153.	0.8	11
97	Intracranial Hypotension from Intrathecal Baclofen Pump Insertion. Stereotactic and Functional Neurosurgery, 2008, 86, 75-79.	1.5	10
98	Long-term Cost Utility of Spinal Cord Stimulation in Patients with Failed Back Surgery Syndrome. Pain Physician, 2017, 6, E797-E805.	0.4	10
99	Highâ€Frequency Spinal Cord Stimulation at 10ÂkHz for the Treatment of Nonsurgical Refractory Back Pain: Design of a Pragmatic, Multicenter, Randomized Controlled Trial. Pain Practice, 2021, 21, 171-183.	1.9	9
100	The Surgical Autonomy Program: A Pilot Study of Social Learning Theory Applied to Competency-Based Neurosurgical Education. Neurosurgery, 2021, 88, E345-E350.	1.1	9
101	Impact of US hospital center and interhospital transfer on spinal cord injury management: An analysis of the National Trauma Data Bank. Journal of Trauma and Acute Care Surgery, 2021, 90, 1067-1076.	2.1	9
102	Spinal Cord Stimulation for Restless Legs Syndrome: Case Series and Mechanistic Hypothesis. Stereotactic and Functional Neurosurgery, 2019, 97, 31-36.	1.5	8
103	Palliative Care Consultations in Patients with Severe Traumatic Brain Injury: Who Receives Palliative Care Consultations and What Does that Mean for Utilization?. Neurocritical Care, 2022, 36, 781-790.	2.4	8
104	Initial Clinical Outcome With Bilateral, Dual-Target Deep Brain Stimulation Trial in Parkinson Disease Using Summit RC + S. Neurosurgery, 2022, 91, 132-138.	1.1	8
105	Structural mapping with fiber tractography of the human cuneate fasciculus at microscopic resolution in cervical region. NeuroImage, 2019, 196, 200-206.	4.2	7
106	The longitudinal health economic impact of viral encephalitis in the United States. Journal of Medical Microbiology, 2020, 69, 270-279.	1.8	7
107	Comparative Analysis of Inpatient and Outpatient Interspinous Process Device Placement for Lumbar Spinal Stenosis. Journal of Neurological Surgery, Part A: Central European Neurosurgery, 2015, 76, 443-450.	0.8	6
108	Spinal cord stimulation and rehabilitation in an individual with chronic complete L1 paraplegia due to a conus medullaris injury: motor and functional outcomes at 18 months. Spinal Cord Series and Cases, 2020, 6, 96.	0.6	6

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109	Increasing Rates of Imaging in Failed Back Surgery Syndrome Patients: Implications for Spinal Cord Stimulation. Pain Physician, 2017, 20, E969-E977.	0.4	6
110	Incidental aneurysms in temporal lobe epilepsy surgery: report of three cases and a review of the literature. British Journal of Neurosurgery, 2012, 26, 69-74.	0.8	5
111	COMPLETE VISUAL RECOVERY AFTER INCIPIENT CRAO DUE TO OCULAR HYPOPERFUSION IN A PATIENT WITH MOYAMOYA DISEASE. Retinal Cases and Brief Reports, 2013, 7, 248-251.	0.6	5
112	Prevalence and Cost Analysis of Chronic Pain After Hernia Repair: A Potential Alternative Approach With Neurostimulation. Neuromodulation, 2019, 22, 960-969.	0.8	5
113	Evaluation of neurapheresis therapy in vitro: a novel approach for the treatment of leptomeningeal metastases. Neuro-Oncology Advances, 2020, 2, vdaa052.	0.7	5
114	Cobalt-Induced Toxicity and Spasticity Secondary to Hip Arthroplasty: Case Report and Review of the Literature. Cureus, 2020, 12, e12368.	0.5	5
115	Feasibility of Neurapheresisâ,,¢ as a Therapy for Multidrug Resistant Gram-negative Bacterial Meningitis. Open Forum Infectious Diseases, 2017, 4, S480-S481.	0.9	4
116	Paediatric bacterial meningitis in the USA: outcomes and healthcare resource utilization of nosocomial versus community-acquired infection. Journal of Medical Microbiology, 2021, 70, .	1.8	4
117	Feasibility study of a novel digital health platform for patients undergoing transcatheter aortic valve replacement. Journal of Cardiac Surgery, 2022, 37, 2017-2022.	0.7	4
118	A Novel Therapeutic Approach for Cryptococcal Meningitis. Open Forum Infectious Diseases, 2016, 3, .	0.9	3
119	Machine Learning to Predict Successful Opioid Dose Reduction or Stabilization After Spinal Cord Stimulation. Neurosurgery, 2022, 91, 272-279.	1.1	3
120	157â€fUtilization of Spinal Cord Stimulation in Patients with Failed Back Surgery Syndrome. Neurosurgery, 2012, 71, E562-E563.	1.1	2
121	Increasing Rates of Imaging in Failed Back Surgery Syndrome Patients: Implications for Spinal Cord Stimulation. Pain Physician, 2017, 6, E969-E977.	0.4	2
122	Implantable Neurostimulation for Headache Disorders: Effect on Healthcare Utilization and Expenditures. Neuromodulation, 2016, 19, 319-328.	0.8	1
123	Outcomes and Health Care Resource Utilization of Adult Bacterial Meningitis in the United States. Neurology: Clinical Practice, 2021, 11, 117-126.	1.6	1
124	Orbital Recurrence of B-Progenitor Acute Lymphoblastic Leukemia in a Child. Journal of Pediatric Ophthalmology and Strabismus, 2010, 47, 46-50.	0.7	1
125	Thoracic Nerve Root Entrapment by Intrathecal Catheter Coiling: Case Report and Review of the Literature. Pain Physician, 2016, 19, E499-504.	0.4	1
126	National Trends in Vertebral Augmentation Procedures for the Treatment of Vertebral Compression Fractures in the United States. Neurosurgery, 2007, 61, 195.	1.1	0

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127	BMP and Cancer Risk: Results of a Large Propensity-Matched Study. Spine Journal, 2012, 12, S90-S91.	1.3	0
128	In Reply. Neurosurgery, 2014, 74, E146-E147.	1.1	0
129	Deep Brain Stimulation for Parkinson Disease in Elderly Individuals—Reply. JAMA Neurology, 2015, 72, 368.	9.0	0
130	Letter to the Editor: Innovations in neurosurgery. Journal of Neurosurgery, 2016, 124, 585-586.	1.6	0
131	Down the Rabbit Hole: Specialty Influence on SCS Outcomes. Neuromodulation, 2018, 21, 417-420.	0.8	0
132	HOUT-27. HEALTHCARE RESOURCE UTILIZATION OF LEPTOMENINGEAL CARCINOMATOSIS IN THE UNITED STATES. Neuro-Oncology, 2019, 21, vi117-vi118.	1.2	0
133	Health care resource utilization and treatment of leptomeningeal carcinomatosis in the United States. Neuro-Oncology Practice, 2020, 7, 636-645.	1.6	0
134	Inferior Vena Cava Filter Thrombosis in the Postoperative Neurosurgical Setting: Case Report and Review of the Literature. Cureus, 2016, 8, e529.	0.5	0
135	ID:16007 Spinal Cord Stimulation at 10kHz for Non-Surgical Refractory Back Pain: Multicenter RCT Six-Month Results. Neuromodulation, 2022, 25, S34.	0.8	0