

Jin Woo Chang

List of Publications by Year in descending order

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Version: 2024-02-01

204
papers

6,343
citations

81839

39
h-index

91828

69
g-index

207
all docs

207
docs citations

207
times ranked

6322
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep brain stimulation: current challenges and future directions. <i>Nature Reviews Neurology</i> , 2019, 15, 148-160.	4.9	721
2	Technology of deep brain stimulation: current status and future directions. <i>Nature Reviews Neurology</i> , 2021, 17, 75-87.	4.9	341
3	Highly efficient and large-scale generation of functional dopamine neurons from human embryonic stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 3392-3397.	3.3	249
4	Unilateral magnetic resonance guided focused ultrasound thalamotomy for essential tremor: practices and clinoradiological outcomes. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2015, 86, 257-264.	0.9	176
5	Consensus on guidelines for stereotactic neurosurgery for psychiatric disorders. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2014, 85, 1003-1008.	0.9	150
6	Factors associated with successful magnetic resonance-guided focused ultrasound treatment: efficiency of acoustic energy delivery through the skull. <i>Journal of Neurosurgery</i> , 2016, 124, 411-416.	0.9	149
7	Enhanced Infrared Neural Stimulation using Localized Surface Plasmon Resonance of Gold Nanorods. <i>Small</i> , 2014, 10, 3853-3857.	5.2	141
8	Analysis of radiosurgical results in patients with brain metastases according to the number of brain lesions: is stereotactic radiosurgery effective for multiple brain metastases?. <i>Journal of Neurosurgery</i> , 2010, 113, 73-78.	0.9	128
9	A prospective trial of magnetic resonanceâ€“guided focused ultrasound thalamotomy for essential tremor: Results at the 2â€“year followâ€“up. <i>Annals of Neurology</i> , 2018, 83, 107-114.	2.8	120
10	Bilateral Anterior Cingulotomy for Refractory Obsessive-Compulsive Disorder: Long-Term Follow-Up Results. <i>Stereotactic and Functional Neurosurgery</i> , 2006, 84, 184-189.	0.8	110
11	Fourâ€“year followâ€“up results of magnetic resonanceâ€“guided focused ultrasound thalamotomy for essential tremor. <i>Movement Disorders</i> , 2019, 34, 727-734.	2.2	91
12	Microvascular decompression for hemifacial spasm: analyses of operative complications in 1582 consecutive patients. <i>World Neurosurgery</i> , 2008, 69, 153-157.	1.3	87
13	Microvascular Decompression for Hemifacial Spasm: A Long-Term Follow-Up of 1,169 Consecutive Cases. <i>Stereotactic and Functional Neurosurgery</i> , 2001, 77, 190-193.	0.8	79
14	A study of novel bilateral thermal capsulotomy with focused ultrasound for treatment-refractory obsessiveâ€“compulsive disorder: 2-year follow-up. <i>Journal of Psychiatry and Neuroscience</i> , 2018, 43, 327-337.	1.4	77
15	Anatomy and physiology of the basal ganglia: Implications for deep brain stimulation for Parkinson's disease. <i>Movement Disorders</i> , 2006, 21, S238-S246.	2.2	76
16	Unilateral magnetic resonanceâ€“guided focused ultrasound pallidotomy for Parkinson disease. <i>Neurology</i> , 2015, 85, 549-551.	1.5	76
17	UNUSUAL CAUSES AND PRESENTATIONS OF HEMIFACIAL SPASM. <i>Neurosurgery</i> , 2009, 65, 130-137.	0.6	73
18	Immobilization stress causes increases in tetrahydrobiopterin, dopamine, and neuromelanin and oxidative damage in the nigrostriatal system. <i>Journal of Neurochemistry</i> , 2005, 95, 89-98.	2.1	71

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19	Three-year follow-up of prospective trial of focused ultrasound thalamotomy for essential tremor. <i>Neurology</i> , 2019, 93, e2284-e2293.	1.5	69
20	Safety and feasibility of multiple blood-brain barrier disruptions for the treatment of glioblastoma in patients undergoing standard adjuvant chemotherapy. <i>Journal of Neurosurgery</i> , 2021, 134, 475-483.	0.9	69
21	Interbrain phase synchronization during turn-taking verbal interaction—a hyperscanning study using simultaneous EEG/MEG. <i>Human Brain Mapping</i> , 2018, 39, 171-188.	1.9	67
22	Antiepileptic Drug Withdrawal after Successful Surgery for Intractable Temporal Lobe Epilepsy. <i>Epilepsia</i> , 2005, 46, 251-257.	2.6	66
23	A Flexible Depth Probe Using Liquid Crystal Polymer. <i>IEEE Transactions on Biomedical Engineering</i> , 2012, 59, 2085-2094.	2.5	66
24	Different magnetic resonance imaging patterns after transcranial magnetic resonance-guided focused ultrasound of the ventral intermediate nucleus of the thalamus and anterior limb of the internal capsule in patients with essential tremor or obsessive-compulsive disorder. <i>Journal of Neurosurgery</i> , 2015, 122, 162-168.	0.9	61
25	Long-term follow-up of deep brain stimulation for refractory obsessive-compulsive disorder. <i>Psychiatry Research</i> , 2012, 200, 1067-1070.	1.7	60
26	The efficacy and limits of magnetic resonance-guided focused ultrasound pallidotomy for Parkinson's disease: a Phase I clinical trial. <i>Journal of Neurosurgery</i> , 2019, 130, 1853-1861.	0.9	60
27	Radiological and Hormonal Responses of Functioning Pituitary Adenomas after Γ^3 Knife Radiosurgery. <i>Yonsei Medical Journal</i> , 2003, 44, 602.	0.9	58
28	Focused ultrasound-induced blood-brain barrier opening improves adult hippocampal neurogenesis and cognitive function in a cholinergic degeneration dementia rat model. <i>Alzheimer's Research and Therapy</i> , 2019, 11, 110.	3.0	58
29	Comparative Evaluation of Magnetic Resonance-Guided Focused Ultrasound Surgery for Essential Tremor. <i>Stereotactic and Functional Neurosurgery</i> , 2017, 95, 279-286.	0.8	57
30	Deep brain stimulation for refractory obsessive-compulsive disorder (OCD): emerging or established therapy?. <i>Molecular Psychiatry</i> , 2021, 26, 60-65.	4.1	54
31	Impact of skull density ratio on efficacy and safety of magnetic resonance-guided focused ultrasound treatment of essential tremor. <i>Journal of Neurosurgery</i> , 2020, 132, 1392-1397.	0.9	50
32	Focused ultrasound-mediated noninvasive blood-brain barrier modulation: preclinical examination of efficacy and safety in various sonication parameters. <i>Neurosurgical Focus</i> , 2018, 44, E15.	1.0	48
33	Improvements in Memory after Medial Septum Stimulation Are Associated with Changes in Hippocampal Cholinergic Activity and Neurogenesis. <i>BioMed Research International</i> , 2014, 2014, 1-10.	0.9	47
34	Extensive frontal focused ultrasound mediated blood-brain barrier opening for the treatment of Alzheimer's disease: a proof-of-concept study. <i>Translational Neurodegeneration</i> , 2021, 10, 44.	3.6	46
35	Microvascular Decompression and Percutaneous Rhizotomy in Trigeminal Neuralgia. <i>Stereotactic and Functional Neurosurgery</i> , 1997, 68, 196-199.	0.8	45
36	Reoperation for Persistent or Recurrent Hemifacial Spasm after Microvascular Decompression. <i>Neurosurgery</i> , 2006, 58, 1162-1167.	0.6	45

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37	One-Year Outcome of Multiple Bloodâ€“Brain Barrier Disruptions With Temozolomide for the Treatment of Glioblastoma. <i>Frontiers in Oncology</i> , 2020, 10, 1663.	1.3	45
38	Treatment of Major Depressive Disorder via Magnetic Resonanceâ€“Guided Focused Ultrasound Surgery. <i>Biological Psychiatry</i> , 2018, 83, e17-e18.	0.7	44
39	Gamma knife surgery in pituitary microadenomas. <i>Yonsei Medical Journal</i> , 1996, 37, 165.	0.9	42
40	Basic fibroblast growth factor promotes bone marrow stromal cell transplantation-mediated neural regeneration in traumatic brain injury. <i>Biochemical and Biophysical Research Communications</i> , 2007, 359, 40-45.	1.0	42
41	Different cerebral cortical areas influence the effect of subthalamic nucleus stimulation on parkinsonian motor deficits and freezing of gait. <i>Movement Disorders</i> , 2007, 22, 2176-2182.	2.2	42
42	Factors Related to Successful Energy Transmission of Focused Ultrasound through a Skull : A Study in Human Cadavers and Its Comparison with Clinical Experiences. <i>Journal of Korean Neurosurgical Society</i> , 2019, 62, 712-722.	0.5	40
43	The Surgical Effect of Callosotomy in the Treatment of Intractable Seizure. <i>Yonsei Medical Journal</i> , 2004, 45, 233.	0.9	39
44	Motor cortex stimulation and neuropathic pain: how does motor cortex stimulation affect pain-signaling pathways?. <i>Journal of Neurosurgery</i> , 2016, 124, 866-876.	0.9	39
45	The cochleovestibular nerve identified during auditory brainstem implantation in patients with narrow internal auditory canals: Can preoperative evaluation predict cochleovestibular nerve deficiency?. <i>Laryngoscope</i> , 2011, 121, 1773-1779.	1.1	38
46	Hierarchical Dynamic Causal Modeling of Resting-State fMRI Reveals Longitudinal Changes in Effective Connectivity in the Motor System after Thalamotomy for Essential Tremor. <i>Frontiers in Neurology</i> , 2017, 8, 346.	1.1	36
47	Effective Relief of Neuropathic Pain by Adeno-Associated Virus-Mediated Expression of a Small Hairpin Rna against GTP Cyclohydrolase 1. <i>Molecular Pain</i> , 2009, 5, 1744-8069-5-67.	1.0	35
48	Bilateral subthalamic deep brain stimulation using single track microelectrode recording. <i>Acta Neurochirurgica</i> , 2011, 153, 1087-1095.	0.9	35
49	Immediate and Longitudinal Alterations of Functional Networks after Thalamotomy in Essential Tremor. <i>Frontiers in Neurology</i> , 2016, 7, 184.	1.1	34
50	Predictors of Outcomes After Focused Ultrasound Thalamotomy. <i>Neurosurgery</i> , 2020, 87, 229-237.	0.6	34
51	Gamma knife radiosurgery for idiopathic and secondary trigeminal neuralgia. <i>Journal of Neurosurgery</i> , 2000, 93, 147-151.	0.9	34
52	Association of Learning and Memory Impairments with Changes in the Septohippocampal Cholinergic System in Rats with Kaolin-induced Hydrocephalus. <i>Neurosurgery</i> , 2003, 53, 416-425.	0.6	33
53	Gamma Knife surgery for intracranial chordoma and chondrosarcoma: radiosurgical perspectives and treatment outcomes. <i>Journal of Neurosurgery</i> , 2014, 121, 188-197.	0.9	33
54	Early surgical results of auditory brainstem implantation in nontumor patients. <i>Laryngoscope</i> , 2011, 121, 2610-2618.	1.1	32

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55	Predictive Factors of Unfavorable Events After Gamma Knife Radiosurgery for Vestibular Schwannoma. <i>World Neurosurgery</i> , 2017, 107, 175-184.	0.7	32
56	Oncolytic potential of E1B 55 kDa-deleted YKL-1 recombinant adenovirus: Correlation with p53 functional status. <i>International Journal of Cancer</i> , 2000, 88, 454-463.	2.3	30
57	A Retrospective Study of the Clinical Outcomes and Significant Variables in the Surgical Treatment of Temporal Lobe Tumor Associated with Intractable Seizures. <i>Stereotactic and Functional Neurosurgery</i> , 2004, 82, 35-42.	0.8	30
58	Microvascular Decompression in Trigeminal Neuralgia: A Correlation of Three-Dimensional Time-of-Flight Magnetic Resonance Angiography and Surgical Findings. <i>Stereotactic and Functional Neurosurgery</i> , 2000, 74, 167-174.	0.8	29
59	Treatment of secondary dystonia with a combined stereotactic procedure: long-term surgical outcomes. <i>Acta Neurochirurgica</i> , 2011, 153, 2319-2328.	0.9	28
60	A Combination Procedure with Double C-Shaped Skin Incision and Dual-Floor Burr Hole Method to Prevent Skin Erosion on the Scalp and Reduce Postoperative Skin Complications in Deep Brain Stimulation. <i>Stereotactic and Functional Neurosurgery</i> , 2011, 89, 178-184.	0.8	28
61	Delayed recurrence of hemifacial spasm after successful microvascular decompression: follow-up results at least 5 years after surgery. <i>Acta Neurochirurgica</i> , 2012, 154, 1613-1619.	0.9	28
62	Effect of ipsilateral subthalamic nucleus lesioning in a rat parkinsonian model: study of behavior correlated with neuronal activity in the pedunculopontine nucleus. <i>Journal of Neurosurgery</i> , 2003, 99, 762-767.	0.9	27
63	Endoscopic disconnection for hypothalamic hamartoma with intractable seizure. <i>Journal of Neurosurgery: Pediatrics</i> , 2004, 100, 506-511.	0.8	27
64	Effective neuropathic pain relief through sciatic nerve administration of GAD65-expressing rAAV2. <i>Biochemical and Biophysical Research Communications</i> , 2009, 388, 73-78.	1.0	27
65	The effect of nucleus basalis magnocellularis deep brain stimulation on memory function in a rat model of dementia. <i>BMC Neurology</i> , 2016, 16, 6.	0.8	27
66	Outcomes of intrathecal baclofen therapy in patients with cerebral palsy and acquired brain injury. <i>Medicine (United States)</i> , 2017, 96, e7472.	0.4	27
67	Combined Antitumor Effects of an Adenoviral Cytosine Deaminase/Thymidine Kinase Fusion Gene in Rat C6 Glioma. <i>Neurosurgery</i> , 2000, 47, 931-939.	0.6	26
68	Chronic epidural hematoma with rapid ossification. <i>Child's Nervous System</i> , 2002, 18, 712-716.	0.6	26
69	Degeneration of the nigrostriatal pathway and induction of motor deficit by tetrahydrobiopterin: an in vivo model relevant to Parkinson's disease. <i>Neurobiology of Disease</i> , 2003, 13, 167-176.	2.1	24
70	Analysis of Delayed Intracerebral Hemorrhage Associated with Deep Brain Stimulation Surgery. <i>World Neurosurgery</i> , 2017, 104, 537-544.	0.7	24
71	Effects on cognition and quality of life with unilateral magnetic resonance-guided focused ultrasound thalamotomy for essential tremor. <i>Neurosurgical Focus</i> , 2018, 44, E8.	1.0	24
72	Functional lesional neurosurgery for tremor: a systematic review and meta-analysis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2018, 89, 717-726.	0.9	24

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73	Skull Factors Affecting Outcomes of Magnetic Resonance-Guided Focused Ultrasound for Patients with Essential Tremor. <i>Yonsei Medical Journal</i> , 2019, 60, 768.	0.9	24
74	Two-Year Outcomes of Deep Brain Stimulation in Adults With Cerebral Palsy. <i>Annals of Rehabilitation Medicine</i> , 2014, 38, 209.	0.6	24
75	Potential optimization of focused ultrasound capsulotomy for obsessive compulsive disorder. <i>Brain</i> , 2021, 144, 3529-3540.	3.7	23
76	Interictal Epileptiform Discharges Relate to 1H-MRS-detected Metabolic Abnormalities in Mesial Temporal Lobe Epilepsy. <i>Epilepsia</i> , 2002, 43, 1385-1389.	2.6	22
77	Dopamine neurons derived from embryonic stem cells efficiently induce behavioral recovery in a Parkinsonian rat model. <i>Biochemical and Biophysical Research Communications</i> , 2006, 341, 6-12.	1.0	22
78	Constitutive GABA expression via a recombinant adeno-associated virus consistently attenuates neuropathic pain. <i>Biochemical and Biophysical Research Communications</i> , 2007, 357, 971-976.	1.0	22
79	Effects of Relative Low-Frequency Bilateral Globus Pallidus Internus Stimulation for Treatment of Cervical Dystonia. <i>Stereotactic and Functional Neurosurgery</i> , 2012, 90, 30-36.	0.8	22
80	Outcomes of surgical treatment for hemifacial spasm associated with the vertebral artery: severity of compression, indentation, and color change. <i>Acta Neurochirurgica</i> , 2012, 154, 501-508.	0.9	22
81	Microneurovascular decompression in patients with hemifacial spasm caused by vascular compression of facial nerve at cisternal portion. <i>Acta Neurochirurgica</i> , 2010, 152, 2105-2111.	0.9	21
82	The efficacy of gamma knife radiosurgery for advanced gastric cancer with brain metastases. <i>Journal of Neuro-Oncology</i> , 2011, 103, 513-521.	1.4	21
83	A Liquid Crystal Polymer-Based Neuromodulation System: An Application on Animal Model of Neuropathic Pain. <i>Neuromodulation</i> , 2014, 17, 160-169.	0.4	21
84	Magnetic Resonance-Guided Focused Ultrasound in Neurosurgery: Taking Lessons from the Past to Inform the Future. <i>Journal of Korean Medical Science</i> , 2018, 33, e279.	1.1	21
85	Remote-Controlled Fully Implantable Neural Stimulator for Freely Moving Small Animal. <i>Electronics (Switzerland)</i> , 2019, 8, 706.	1.8	21
86	Role of Postoperative Magnetic Resonance Imaging after Microvascular Decompression of the Facial Nerve for the Treatment of Hemifacial Spasm. <i>Neurosurgery</i> , 2002, 50, 720-726.	0.6	20
87	Simultaneous Thalamic and Posterior Subthalamic Electrode Insertion With Single Deep Brain Stimulation Electrode for Essential Tremor. <i>Neuromodulation</i> , 2013, 16, 236-243.	0.4	20
88	Non-invasively enhanced intracranial transplantation of mesenchymal stem cells using focused ultrasound mediated by overexpression of cell-adhesion molecules. <i>Stem Cell Research</i> , 2020, 43, 101726.	0.3	20
89	Long-Term Results of Gamma Knife Radiosurgery for Intracranial Meningioma. <i>Brain Tumor Research and Treatment</i> , 2015, 3, 103.	0.4	19
90	Gamma knife radiosurgery for idiopathic trigeminal neuralgia as primary vs. secondary treatment option. <i>Clinical Neurology and Neurosurgery</i> , 2011, 113, 447-452.	0.6	17

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91	Radiosurgery for Radiosurgery-induced Cavernous Malformation. World Neurosurgery, 2011, 75, 94-98.	0.7	17
92	Rostral Agranular Insular Cortex Lesion with Motor Cortex Stimulation Enhances Pain Modulation Effect on Neuropathic Pain Model. Neural Plasticity, 2016, 2016, 1-8.	1.0	17
93	Hearing Outcome Following Microvascular Decompression for Hemifacial Spasm: Series of 1434 Cases. World Neurosurgery, 2017, 108, 566-571.	0.7	17
94	Neurocutaneous Melanosis Presenting as Chronic Partial Epilepsy. Journal of Clinical Neurology		

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109	Hypopituitarism after Gamma Knife surgery for postoperative nonfunctioning pituitary adenoma. <i>Journal of Neurosurgery</i> , 2018, 129, 47-54.	0.9	13
110	The Potential Usefulness of Magnetic Resonance Guided Focused Ultrasound for Obsessive Compulsive Disorders. <i>Journal of Korean Neurosurgical Society</i> , 2018, 61, 427-433.	0.5	13
111	Complications Following Gamma Knife Radiosurgery. <i>Stereotactic and Functional Neurosurgery</i> , 1995, 64, 239-248.	0.8	12
112	Frequent sequence variation at the ETM2 locus and its association with sporadic essential tremor in Korea. <i>Movement Disorders</i> , 2005, 20, 1650-1653.	2.2	12
113	Altered resting-state functional connectivity in patients with obsessive-compulsive disorder: A magnetoencephalography study. <i>International Journal of Psychophysiology</i> , 2018, 123, 80-87.	0.5	12
114	Carbon-Fiber Based Microelectrode Array Embedded with a Biodegradable Silk Support for In Vivo Neural Recording. <i>Journal of Korean Medical Science</i> , 2019, 34, e24.	1.1	12
115	Stimulation-Induced Side Effects of Deep Brain Stimulation in the Ventralis Intermedius and Posterior Subthalamic Area for Essential Tremor. <i>Frontiers in Neurology</i> , 2021, 12, 678592.	1.1	12
116	Balloon cells and dysmorphic neurons in the hippocampus associated with epileptic amnesic syndrome: A case report. <i>Epilepsia</i> , 2008, 49, 905-909.	2.6	11
117	The Effect of Bilateral Globus Pallidus Internus Deep Brain Stimulation plus Ventralis Oralis Thalamotomy on Patients with Cerebral Palsy. <i>Stereotactic and Functional Neurosurgery</i> , 2012, 90, 292-299.	0.8	11
118	Combined bilateral anterior cingulotomy and ventral capsule/ventral striatum deep brain stimulation for refractory obsessive-compulsive disorder with major depression: Do combined procedures have a long-term benefit?. <i>Restorative Neurology and Neuroscience</i> , 2013, 31, 723-732.	0.4	11
119	Identifying the appropriate time for deep brain stimulation to achieve spatial memory improvement on the Morris water maze. <i>BMC Neuroscience</i> , 2017, 18, 29.	0.8	11
120	Manipulation of Rat Movement via Nigrostriatal Stimulation Controlled by Human Visually Evoked Potentials. <i>Scientific Reports</i> , 2017, 7, 2340.	1.6	11
121	Magnetic Resonance-Guided Focused Ultrasound Surgery for Obsessive-Compulsive Disorders: Potential for use as a Novel Ablative Surgical Technique. <i>Frontiers in Psychiatry</i> , 2021, 12, 640832.	1.3	11
122	Technical and operative factors affecting magnetic resonance imaging-guided focused ultrasound thalamotomy for essential tremor: experience from 250 treatments. <i>Journal of Neurosurgery</i> , 2021, 135, 1780-1788.	0.9	11
123	Optimization of vesicular stomatitis virus-G pseudotyped feline immunodeficiency virus vector for minimized cytotoxicity with efficient gene transfer. <i>Virus Research</i> , 2003, 93, 25-30.	1.1	10
124	Treatment Options of Metastatic Brain Tumors from Hepatocellular Carcinoma: Surgical Resection vs. Gamma Knife Radiosurgery vs. Whole Brain Radiation Therapy. <i>Brain Tumor Research and Treatment</i> , 2013, 1, 78.	0.4	10
125	A Network Analysis of ^{15}O -H $_2\text{O}$ PET Reveals Deep Brain Stimulation Effects on Brain Network of Parkinson's Disease. <i>Yonsei Medical Journal</i> , 2015, 56, 726.	0.9	10
126	Longitudinal FDG microPET imaging of neuropathic pain: does cerebellar activity correlate with neuropathic pain development in a rat model?. <i>Acta Neurochirurgica</i> , 2015, 157, 1051-1057.	0.9	10

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127	Optimization of Medial Forebrain Bundle Stimulation Parameters for Operant Conditioning of Rats. Stereotactic and Functional Neurosurgery, 2019, 97, 1-9.	0.8	10
128	Stereotactic biopsy for adult brainstem lesions: A surgical approach and its diagnostic value according to the 2016 World Health Organization Classification. Cancer Medicine, 2021, 10, 7514-7524.	1.3	10
129	Gamma knife surgery for multiple hemangioblastomas. Journal of Neurosurgery, 2005, 102, 97-101.	0.9	10
130	The Effect of Microvascular Decompression for Hemifacial Spasm Caused by Vertebrobasilar Dolichoectasia. Journal of Korean Neurosurgical Society, 2012, 52, 85.	0.5	10
131	Delayed Dural Arteriovenous Fistula after Microvascular Decompression for Hemifacial Spasm. Journal of Korean Neurosurgical Society, 2014, 56, 168.	0.5	10
132	Modulation of Neuropathic Pain by Galanin and Neuropeptide Y at the Level of the Medulla in Rats. International Journal of Neuroscience, 2009, 119, 1941-1955.	0.8	9
133	Bilateral Globus Pallidus Internus Deep Brain Stimulation for DYT1+ Generalized Dystonia with Previously Received Bilateral Thalamotomy and Unilateral Pallidotomy. Stereotactic and Functional Neurosurgery, 2011, 89, 205-209.	0.8	9
134	Basal Forebrain Cholinergic Deficits Reduce Glucose Metabolism and Function of Cholinergic and GABAergic Systems in the Cingulate Cortex. Yonsei Medical Journal, 2016, 57, 165.	0.9	9
135	Gamma Knife Radiosurgery Followed by Flow-Reductive Embolization for Ruptured Arteriovenous Malformation. Journal of Clinical Medicine, 2020, 9, 1318.	1.0	9
136	Neurophysiological identification and characterization of thalamic neurons with single unit recording in essential tremor patients. , 2003, 87, 133-136.		9
137	Effect of subthalamic lesion with kainic acid on the neuronal activities of the basal ganglia of rat Parkinsonian models with 6-hydroxydopamine. , 2003, 87, 163-168.		9
138	Complications After Deep Brain Stimulation: A 21-Year Experience in 426 Patients. Frontiers in Aging Neuroscience, 2022, 14, 819730.	1.7	9
139	Decrease of GABAergic Markers and Arc Protein Expression in the Frontal Cortex by Intraventricular 192 IgG-Saporin. Dementia and Geriatric Cognitive Disorders, 2011, 32, 70-78.	0.7	8
140	Cerebral Ischemia Related to Globus Pallidus Internus Stimulation for Cervical Dystonia. Stereotactic and Functional Neurosurgery, 2011, 89, 201-204.	0.8	8
141	Impact of Ventralis Caudalis Deep Brain Stimulation Combined with Stereotactic Bilateral Cingulotomy for Treatment of Post-Stroke Pain. Stereotactic and Functional Neurosurgery, 2012, 90, 9-15.	0.8	8
142	VPL-DBS on neuropathic pain rat model is effective in mechanical allodynia than cold allodynia. Neurological Sciences, 2012, 33, 1265-1270.	0.9	8
143	The Distribution of Skull Score and Skull Density Ratio in Tremor Patients for MR-Guided Focused Ultrasound Thalamotomy. Frontiers in Neuroscience, 2021, 15, 612940.	1.4	8
144	Decreased inhibitory neuronal activity in patients with frontal lobe brain tumors with seizure presentation: Preliminary study using magnetoencephalography. Acta Neurochirurgica, 2013, 155, 1449-1457.	0.9	7

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145	Neuronal Responses in the Globus Pallidus during Subthalamic Nucleus Electrical Stimulation in Normal and Parkinson's Disease Model Rats. <i>Korean Journal of Physiology and Pharmacology</i> , 2013, 17, 299.	0.6	7
146	Functional lesional neurosurgery for tremor—a protocol for a systematic review and meta-analysis. <i>BMJ Open</i> , 2017, 7, e015409.	0.8	7
147	The long-term effects of microvascular decompression on social phobia and health-related quality of life in patients with hemifacial spasm: a 3-year prospective study. <i>Acta Neurochirurgica</i> , 2019, 161, 2035-2042.	0.9	7
148	Intrathecal Baclofen Pump Versus Globus Pallidus Interna Deep Brain Stimulation in Adult Patients with Severe Cerebral Palsy. <i>World Neurosurgery</i> , 2019, 126, e550-e556.	0.7	7
149	Microelectrode Recording-Guided Deep Brain Stimulation in Patients with Movement Disorders (First) Tj ETQq1 1 0.784314 rgBT /Ove		
150	A Fully Implantable Miniaturized Liquid Crystal Polymer (LCP)-Based Spinal Cord Stimulator for Pain Control. <i>Sensors</i> , 2022, 22, 501.	2.1	7
151	Effect of subthalamic nucleus lesions in a 6-hydroxydopamine-induced rat parkinsonian model: behavioral and biochemical studies. <i>Journal of Neurosurgery</i> , 2006, 105, 284-287.	0.9	6
152	A Comparison of LEDD and Motor Scores Following STN-DBS Treatment in Patient with Young Onset vs. Late Onset Parkinson's Disease. <i>Neuromodulation</i> , 2010, 13, 255-260.	0.4	6
153	A quantitative comparison of basal ganglia neuronal activities of normal and Parkinson's disease model rats. <i>Neuroscience Letters</i> , 2011, 505, 113-118.	1.0	6
154	Management of a DBS System in Patients With Traumatic Brain Injury: Case Report. <i>Neuromodulation</i> , 2011, 14, 214-218.	0.4	6
155	Anxiety responses and neurochemical changes in a kaolin-induced rat model of hydrocephalus. <i>Journal of Neurosurgery: Pediatrics</i> , 2011, 7, 401-407.	0.8	6
156	Ventral posterolateral deep brain stimulation treatment for neuropathic pain shortens pain response after cold stimuli. <i>Journal of Neuroscience Research</i> , 2013, 91, 997-1004.	1.3	6
157	Neuromodulation methods for animal locomotion control. <i>Biomedical Engineering Letters</i> , 2016, 6, 134-147.	2.1	6
158	Focused ultrasound treatment for central nervous system disease: neurosurgeon's perspectives. <i>Biomedical Engineering Letters</i> , 2017, 7, 107-114.	2.1	6
159	Gamma Knife Radiosurgery for Idiopathic Trigeminal Neuralgia: Does the Status of Offending Vessels Influence Pain Control or Side Effects?. <i>World Neurosurgery</i> , 2017, 104, 687-693.	0.7	6
160	Gamma Knife Radiosurgery for Postoperative Remnant Meningioma: Analysis of Recurrence Factors According to World Health Organization Grade. <i>World Neurosurgery</i> , 2019, 132, e399-e402.	0.7	6
161	Gamma Knife Radiosurgery for Choroidal Hemangioma: A Single-Institute Series. <i>World Neurosurgery</i> , 2020, 133, e129-e134.	0.7	6
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