

# Jin Woo Chang

## List of Publications by Year in descending order

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Version: 2024-02-01

204  
papers

6,343  
citations

93792

39  
h-index

104191

69  
g-index

207  
all docs

207  
docs citations

207  
times ranked

6911  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual Pallidal and Thalamic Deep Brain Stimulation for Complex Ipsilateral Dystonia. <i>Yonsei Medical Journal</i> , 2022, 63, 166.	0.9	1
2	A Fully Implantable Miniaturized Liquid Crystal Polymer (LCP)-Based Spinal Cord Stimulator for Pain Control. <i>Sensors</i> , 2022, 22, 501.	2.1	7
3	Complications After Deep Brain Stimulation: A 21-Year Experience in 426 Patients. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 819730.	1.7	9
4	Epidural grid, a new methodology of invasive intracranial EEG monitoring: A technical note and experience of a single center. <i>Epilepsy Research</i> , 2022, 182, 106912.	0.8	2
5	Early-onset adverse events after stereotactic radiosurgery for jugular foramen schwannoma: a mid-term follow-up single-center review of 46 cases. <i>Radiation Oncology</i> , 2022, 17, 89.	1.2	3
6	Paperâ€MAP: A Novel Tool for Superâ€resolution Imaging of Pathological Tissues by Rapidly Tissue Expansion and Clearing. <i>FASEB Journal</i> , 2022, 36, .	0.2	0
7	Deep brain stimulation for refractory obsessive-compulsive disorder (OCD): emerging or established therapy?. <i>Molecular Psychiatry</i> , 2021, 26, 60-65.	4.1	54
8	Technology of deep brain stimulation: current status and future directions. <i>Nature Reviews Neurology</i> , 2021, 17, 75-87.	4.9	341
9	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
10	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
11	The Distribution of Skull Score and Skull Density Ratio in Tremor Patients for MR-Guided Focused Ultrasound Thalamotomy. <i>Frontiers in Neuroscience</i> , 2021, 15, 612940.	1.4	8
12	Predictive Factors of Radiation-Induced Changes Following Single-Session Gamma Knife Radiosurgery for Arteriovenous Malformations. <i>Journal of Clinical Medicine</i> , 2021, 10, 2186.	1.0	4
13	Technical and operative factors affecting magnetic resonance imagingâ€guided focused ultrasound thalamotomy for essential tremor: experience from 250 treatments. <i>Journal of Neurosurgery</i> , 2021, 135, 1780-1788.	0.9	11
14	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
15	Potential optimization of focused ultrasound capsulotomy for obsessive compulsive disorder. <i>Brain</i> , 2021, 144, 3529-3540.	3.7	23
16	Stereotactic biopsy for adult brainstem lesions: A surgical approach and its diagnostic value according to the 2016 World Health Organization Classification. <i>Cancer Medicine</i> , 2021, 10, 7514-7524.	1.3	10
17	Extensive frontal focused ultrasound mediated bloodâ€brain barrier opening for the treatment of Alzheimerâ€™s disease: a proof-of-concept study. <i>Translational Neurodegeneration</i> , 2021, 10, 44.	3.6	46
18	Microglial deactivation by adenoâ€associated virus expressing smallâ€hairpin GCH1 has protective effects against neuropathic pain development in a spinothalamic tractâ€lesion model. <i>CNS Neuroscience and Therapeutics</i> , 2021, 28, 36.	1.9	2

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19	Factors Associated with Energy Efficiency of Focused Ultrasound Through the Skull: A Study of 3D-Printed Skull Phantoms and Its Comparison with Clinical Experiences. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 783048.	2.0	3
20	Gamma Knife Radiosurgery for Choroidal Hemangioma: A Single-Institute Series. <i>World Neurosurgery</i> , 2020, 133, e129-e134.	0.7	6
21	Predictors of Outcomes After Focused Ultrasound Thalamotomy. <i>Neurosurgery</i> , 2020, 87, 229-237.	0.6	34
22	One-Year Outcome of Multiple Blood-Brain Barrier Disruptions With Temozolomide for the Treatment of Glioblastoma. <i>Frontiers in Oncology</i> , 2020, 10, 1663.	1.3	45
23	Functional Neural Changes after Low-Frequency Bilateral Globus Pallidus Internus Deep Brain Stimulation for Post-Hypoxic Cortical Myoclonus: Voxel-Based Subtraction Analysis of Serial Positron Emission. <i>Brain Sciences</i> , 2020, 10, 730.	1.1	3
24	Image analysis of the intracranial lead bending phenomenon during deep brain stimulation. <i>PLoS ONE</i> , 2020, 15, e0237537.	1.1	1
25	Introduction. Exploring neurosurgical innovations at the brain-machine interface. <i>Neurosurgical Focus</i> , 2020, 49, E1.	1.0	3
26	Gamma Knife Radiosurgery Followed by Flow-Reductive Embolization for Ruptured Arteriovenous Malformation. <i>Journal of Clinical Medicine</i> , 2020, 9, 1318.	1.0	9
27	Gamma Knife Radiosurgery on the Trigeminal Root Entry Zone for Idiopathic Trigeminal Neuralgia: Results and a Review of the Literature. <i>Yonsei Medical Journal</i> , 2020, 61, 111.	0.9	15
28	Bilateral thermal capsulotomy with magnetic resonance-guided focused ultrasound for patients with treatment-resistant depression: A proof-of-concept study. <i>Bipolar Disorders</i> , 2020, 22, 771-774.	1.1	13
29	Safety and Efficacy of Magnetic Resonance-Guided Focused Ultrasound Surgery With Autofocusing Echo Imaging. <i>Frontiers in Neuroscience</i> , 2020, 14, 592763.	1.4	6
30	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
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	Central Nervous System Infection-Related Isolated Hippocampal Atrophy as Another Subtype of Medial Temporal Lobe Epilepsy with Hippocampal Atrophy: A Comparison to Conventional Medial Temporal		

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37	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
38	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
39	Deep brain stimulation: current challenges and future directions. <i>Nature Reviews Neurology</i> , 2019, 15, 148-160.	4.9	721
40	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
41	Optimization of Medial Forebrain Bundle Stimulation Parameters for Operant Conditioning of Rats. <i>Stereotactic and Functional Neurosurgery</i> , 2019, 97, 1-9.	0.8	10
42	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
43	Four-year follow-up results of magnetic resonance-guided focused ultrasound thalamotomy for essential tremor. <i>Movement Disorders</i> , 2019, 34, 727-734.	2.2	91
44	Three-year follow-up of prospective trial of focused ultrasound thalamotomy for essential tremor. <i>Neurology</i> , 2019, 93, e2284-e2293.	1.5	69
45	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
46	Magnetoencephalography as a Prognostic Tool in Patients with Medically Intractable Temporal Lobe Epilepsy. <i>World Neurosurgery</i> , 2019, 123, e753-e759.	0.7	2
47	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
48	Symptom-associated change of motor-related neuromagnetic fields in a patient with multiple sclerosis: A case report. <i>Journal of Clinical Neuroscience</i> , 2018, 50, 115-122.	0.8	0
49	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
50	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
51	Magnetic Resonance-Guided High Intensity Focused Ultrasound for Treating Movement Disorders. <i>Progress in Neurological Surgery</i> , 2018, 33, 120-134.	1.3	5
52	Functional lesional neurosurgery for tremor: back to the future?. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2018, 89, 727-735.	0.9	15
53	A prospective trial of magnetic resonance-guided focused ultrasound thalamotomy for essential tremor: Results at the 2-year follow-up. <i>Annals of Neurology</i> , 2018, 83, 107-114.	2.8	120
54	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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55	Factors Related to the Clinical Outcomes of Surgery for Extra-axial Temporal Lobe Epilepsy: Long-Term Follow-Up Results. <i>World Neurosurgery</i> , 2018, 115, e645-e649.	0.7	5
56	Treatment of Major Depressive Disorder via Magnetic Resonance-Guided Focused Ultrasound Surgery. <i>Biological Psychiatry</i> , 2018, 83, e17-e18.	0.7	44
57	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
58	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
59	A study of novel bilateral thermal capsulotomy with focused ultrasound for treatment-refractory obsessive-compulsive disorder: 2-year follow-up. <i>Journal of Psychiatry and Neuroscience</i> , 2018, 43, 327-337.	1.4	77
60	Surgical Management of Hemifacial Spasm and Meige Syndrome. , 2018, , 953-965.		0
61	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
62	High-Intensity Focused Ultrasound Surgery for the Treatment of Obsessive-Compulsive Disorder. , 2018, , 1045-1056.		2
63	Effect of Placenta-Derived Mesenchymal Stem Cells in a Dementia Rat Model via Microglial Mediation: a Comparison between Stem Cell Transplant Methods. <i>Yonsei Medical Journal</i> , 2018, 59, 406.	0.9	14
64	Hypopituitarism after Gamma Knife surgery for postoperative nonfunctioning pituitary adenoma. <i>Journal of Neurosurgery</i> , 2018, 129, 47-54.	0.9	13
65	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
66	Limitation of High Pitch Sound Perception in Nontumor Patients with Auditory Brainstem Implantation. <i>Korean Journal of Otorhinolaryngology-Head and Neck Surgery</i> , 2018, 61, 235-241.	0.0	1
67	Predictive factors of early distant brain failure after gamma knife radiosurgery alone in patients with brain metastases of non-small-cell lung cancer. <i>Journal of Neuro-Oncology</i> , 2017, 132, 333-340.	1.4	3
68	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
69	Focused ultrasound treatment for central nervous system disease: neurosurgeon's perspectives. <i>Biomedical Engineering Letters</i> , 2017, 7, 107-114.	2.1	6
70	Functional lesional neurosurgery for tremor—a protocol for a systematic review and meta-analysis. <i>BMJ Open</i> , 2017, 7, e015409.	0.8	7
71	Manipulation of Rat Movement via Nigrostriatal Stimulation Controlled by Human Visually Evoked Potentials. <i>Scientific Reports</i> , 2017, 7, 2340.	1.6	11
72	Analysis of Delayed Intracerebral Hemorrhage Associated with Deep Brain Stimulation Surgery. <i>World Neurosurgery</i> , 2017, 104, 537-544.	0.7	24

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73	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
74	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
75	Hearing Outcome Following Microvascular Decompression for Hemifacial Spasm: Series of 1434 Cases. <i>World Neurosurgery</i> , 2017, 108, 566-571.	0.7	17
76	Predictive Factors of Unfavorable Events After Gamma Knife Radiosurgery for Vestibular Schwannoma. <i>World Neurosurgery</i> , 2017, 107, 175-184.	0.7	32
77	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
78	Favorable Long-Term Functional Outcomes and Safety of Auditory Brainstem Implants in Nontumor Patients. <i>Operative Neurosurgery</i> , 2017, 13, 653-660.	0.4	5
79	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
80	Basal Forebrain Cholinergic Deficits Reduce Glucose Metabolism and Function of Cholinergic and GABAergic Systems in the Cingulate Cortex. <i>Yonsei Medical Journal</i> , 2016, 57, 165.	0.9	9
81	Rostral Agranular Insular Cortex Lesion with Motor Cortex Stimulation Enhances Pain Modulation Effect on Neuropathic Pain Model. <i>Neural Plasticity</i> , 2016, 2016, 1-8.	1.0	17
82	Immediate and Longitudinal Alterations of Functional Networks after Thalamotomy in Essential Tremor. <i>Frontiers in Neurology</i> , 2016, 7, 184.	1.1	34
83	Hearing Restoration in Neurofibromatosis Type II Patients. <i>Yonsei Medical Journal</i> , 2016, 57, 817.	0.9	5
84	Benefits of microvascular decompression on social anxiety disorder and health-related quality of life in patients with hemifacial spasm. <i>Acta Neurochirurgica</i> , 2016, 158, 1397-1404.	0.9	13
85	Neuromodulation methods for animal locomotion control. <i>Biomedical Engineering Letters</i> , 2016, 6, 134-147.	2.1	6
86	Development of wireless neural interface system. <i>Biomedical Engineering Letters</i> , 2016, 6, 164-171.	2.1	4
87	Special issue on implantable neural interface. <i>Biomedical Engineering Letters</i> , 2016, 6, 101-103.	2.1	0
88	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
89	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
90	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

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91	Dose-dependent Changes in Gait Pattern after Intrathecal Baclofen Bolus Injection in Adult Ambulatory Cerebral Palsy: A Case Report. <i>Brain &amp; Neurorehabilitation</i> , 2015, 8, 104.	0.4	0
92	Long-Term Results of Gamma Knife Radiosurgery for Intracranial Meningioma. <i>Brain Tumor Research and Treatment</i> , 2015, 3, 103.	0.4	19
93	A Network Analysis of $^{15}\text{O}$ -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
94	Effect of Subthalamic Deep Brain Stimulation on Levodopa-Induced Dyskinesia in Parkinson's Disease. <i>Yonsei Medical Journal</i> , 2015, 56, 1316.	0.9	14
95	Sound Packing DNA: packing open circular DNA with low-intensity ultrasound. <i>Scientific Reports</i> , 2015, 5, 9846.	1.6	3
96	Focused Ultrasound for the Treatment of Obsessive-Compulsive Disorder. , 2015, , 125-141.		1
97	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
98	Unilateral magnetic resonance guided focused ultrasound thalamotomy for essential tremor: practices and clinicoradiological outcomes. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2015, 86, 257-264.	0.9	176
99	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
100	Unilateral magnetic resonance-guided focused ultrasound pallidotomy for Parkinson disease. <i>Neurology</i> , 2015, 85, 549-551.	1.5	76
101	Neurophysiologic Correlates of Sonication Treatment in Patients with Essential Tremor. <i>Ultrasound in Medicine and Biology</i> , 2015, 41, 124-131.	0.7	15
102	The Neuromodulation of Neuropathic Pain by Measuring Pain Response Rate and Pain Response Duration in Animal. <i>Journal of Korean Neurosurgical Society</i> , 2015, 57, 6.	0.5	5
103	Image-guided Stereotactic Neurosurgery: Practices and Pitfalls. <i>Journal of International Society for Simulation Surgery</i> , 2015, 2, 58-63.	0.0	0
104	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
105	Bilateral Pallidal Stimulation for "Sticking-Out Tongue" Feature in Patients With Primary Focal Tongue Protrusion Dystonia. <i>Neuromodulation</i> , 2014, 17, 133-137.	0.4	4
106	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
107	Bilateral Globus Pallidus Interna Deep-Brain Stimulation in a Patient With Myoclonus-Dystonia: A Case Report. <i>Neuromodulation</i> , 2014, 17, 724-728.	0.4	15
108	Enhanced Infrared Neural Stimulation using Localized Surface Plasmon Resonance of Gold Nanorods. <i>Small</i> , 2014, 10, 3853-3857.	5.2	141

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109	Consensus on guidelines for stereotactic neurosurgery for psychiatric disorders. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2014, 85, 1003-1008.	0.9	150
110	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
111	Delayed Dural Arteriovenous Fistula after Microvascular Decompression for Hemifacial Spasm. <i>Journal of Korean Neurosurgical Society</i> , 2014, 56, 168.	0.5	10
112	Two-Year Outcomes of Deep Brain Stimulation in Adults With Cerebral Palsy. <i>Annals of Rehabilitation Medicine</i> , 2014, 38, 209.	0.6	24
113	'Is tinnitus accompanied by hemifacial spasm in normal-hearing patients also a type of hyperactive neurovascular compression syndrome? : A magnetoencephalography study. <i>BMC Neurology</i> , 2013, 13, 42.	0.8	2
114	Decreased inhibitory neuronal activity in patients with frontal lobe brain tumors with seizure presentation: Preliminary study using magnetoencephalography. <i>Acta Neurochirurgica</i> , 2013, 155, 1449-1457.	0.9	7
115	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
116	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
117	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
118	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
119	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
120	Factors Related to Outcomes of Subthalamic Deep Brain Stimulation in Parkinson's Disease. <i>Journal of Korean Neurosurgical Society</i> , 2013, 54, 118.	0.5	5
121	Impact of Ventralis Caudalis Deep Brain Stimulation Combined with Stereotactic Bilateral Cingulotomy for Treatment of Post-Stroke Pain. <i>Stereotactic and Functional Neurosurgery</i> , 2012, 90, 9-15.	0.8	8
122	Assessment of the Effects of Unilateral Electrode Dysfunction in Patients With Parkinson Disease Undergoing Bilateral Subthalamic Nucleus Deep Brain Stimulation. <i>Operative Neurosurgery</i> , 2012, 70, ons163-ons169.	0.4	0
123	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
124	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
125	VPL-DBS on neuropathic pain rat model is effective in mechanical allodynia than cold allodynia. <i>Neurological Sciences</i> , 2012, 33, 1265-1270.	0.9	8
126	Long-term follow-up of deep brain stimulation for refractory obsessive-compulsive disorder. <i>Psychiatry Research</i> , 2012, 200, 1067-1070.	1.7	60



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127	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
128	Surgical complications of pediatric auditory brain stem implantation in patients with narrow internal auditory canal following retrosigmoid approach. <i>Child's Nervous System</i> , 2012, 28, 933-938.	0.6	5
129	A Flexible Depth Probe Using Liquid Crystal Polymer. <i>IEEE Transactions on Biomedical Engineering</i> , 2012, 59, 2085-2094.	2.5	66
130	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
131	The Effect of Microvascular Decompression for Hemifacial Spasm Caused by Verteobasilar Dolichoectasia. <i>Journal of Korean Neurosurgical Society</i> , 2012, 52, 85.	0.5	10
132	Decrease of GABAergic Markers and Arc Protein Expression in the Frontal Cortex by Intraventricular 192 IgG-Saporin. <i>Dementia and Geriatric Cognitive Disorders</i> , 2011, 32, 70-78.	0.7	8
133	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
134	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
135	Management of a DBS System in Patients With Traumatic Brain Injury: Case Report. <i>Neuromodulation</i> , 2011, 14, 214-218.	0.4	6
136	Radiosurgery for Radiosurgery-induced Cavernous Malformation. <i>World Neurosurgery</i> , 2011, 75, 94-98.	0.7	17
137	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
138	Bilateral subthalamic deep brain stimulation using single track microelectrode recording. <i>Acta Neurochirurgica</i> , 2011, 153, 1087-1095.	0.9	35
139	Treatment of secondary dystonia with a combined stereotactic procedure: long-term surgical outcomes. <i>Acta Neurochirurgica</i> , 2011, 153, 2319-2328.	0.9	28
140	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
141	Early surgical results of auditory brainstem implantation in nontumor patients. <i>Laryngoscope</i> , 2011, 121, 2610-2618.	1.1	32
142	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
143	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
144	Cerebral Ischemia Related to Globus Pallidus Internus Stimulation for Cervical Dystonia. <i>Stereotactic and Functional Neurosurgery</i> , 2011, 89, 201-204.	0.8	8

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145	Bilateral Globus Pallidus Internus Deep Brain Stimulation for DYT1+ Generalized Dystonia with Previously Received Bilateral Thalamotomy and Unilateral Pallidotomy. <i>Stereotactic and Functional Neurosurgery</i> , 2011, 89, 205-209.	0.8	9
146	Simple Partial Status of Forced Thinking Originated in the Mesial Temporal Region: Intracranial Foramen Ovale Electrode Recording and Ictal PET. <i>Journal of Epilepsy Research</i> , 2011, 1, 77-80.	0.1	4
147	Combined Therapy of Orthopedic Surgery after Deep Brain Stimulation in Cerebral Palsy Mixed Type - A Case Report -. <i>Annals of Rehabilitation Medicine</i> , 2011, 35, 742.	0.6	3
148	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
149	Effects of chronic subthalamic stimulation on intractable akathisia in Parkinson's disease. <i>Movement Disorders</i> , 2010, 25, 650-652.	2.2	2
150	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
151	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
152	Modulation of Neuropathic Pain by Galanin and Neuropeptide Y at the Level of the Medulla in Rats. <i>International Journal of Neuroscience</i> , 2009, 119, 1941-1955.	0.8	9
153	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
154	The behavioral change of locomotor activity in a kaolin-induced hydrocephalus rat model: Evaluation of the effect on the dopaminergic system with progressive ventricle dilatation. <i>Neuroscience Letters</i> , 2009, 462, 198-202.	1.0	14
155	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
156	UNUSUAL CAUSES AND PRESENTATIONS OF HEMIFACIAL SPASM. <i>Neurosurgery</i> , 2009, 65, 130-137.	0.6	73
157	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
158	Microvascular decompression for hemifacial spasm: analyses of operative complications in 1582 consecutive patients. <i>World Neurosurgery</i> , 2008, 69, 153-157.	1.3	87
159	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
160	Neurocutaneous Melanosis Presenting as Chronic Partial Epilepsy. <i>Journal of Clinical Neurology</i>		

#	ARTICLE	IF	CITATIONS
163	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
164	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
165	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
166	Lesion of Subthalamic Nucleus in Parkinsonian Rats : Effects of Dopamine D1and D2Receptor Agonists on the Neuronal Activities of the Substantia Nigra Pars Reticulata. <i>Journal of Korean Neurosurgical Society</i> , 2007, 42, 455.	0.5	3
167	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
168	Reoperation for Persistent or Recurrent Hemifacial Spasm after Microvascular Decompression. <i>Neurosurgery</i> , 2006, 58, 1162-1167.	0.6	45
169	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
170	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
171	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
172	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
173	Antiepileptic Drug Withdrawal after Successful Surgery for Intractable Temporal Lobe Epilepsy. <i>Epilepsia</i> , 2005, 46, 251-257.	2.6	66
174	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
175	Sylvian meningioma without dural attachment in an adult. <i>Journal of Neuro-Oncology</i> , 2005, 74, 43-45.	1.4	14
176	Therapeutic Effects of Holmium-166 Chitosan Complex in Rat Brain Tumor Model. <i>Yonsei Medical Journal</i> , 2005, 46, 51.	0.9	15
177	Gamma knife surgery for multiple hemangioblastomas. <i>Journal of Neurosurgery</i> , 2005, 102, 97-101.	0.9	10
178	The Surgical Effect of Callosotomy in the Treatment of Intractable Seizure. <i>Yonsei Medical Journal</i> , 2004, 45, 233.	0.9	39
179	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
180	Loss of striatal dopaminergic fibers after intraventricular injection of tetrahydrobiopterin in rat brain. <i>Neuroscience Letters</i> , 2004, 359, 69-72.	1.0	14

#	ARTICLE	IF	CITATIONS
181	Endoscopic disconnection for hypothalamic hamartoma with intractable seizure. <i>Journal of Neurosurgery: Pediatrics</i> , 2004, 100, 506-511.	0.8	27
182	Analysis of the production efficiency and titration of various recombinant adeno-associated viruses. <i>Oncology Reports</i> , 2004, 12, 761-6.	1.2	3
183	Single photon emission computed tomography imaging in obsessive-compulsive disorder and for stereotactic bilateral anterior cingulotomy. <i>Neurosurgery Clinics of North America</i> , 2003, 14, 237-250.	0.8	4
184	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
185	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
186	Effect of ipsilateral subthalamic nucleus lesioning in a rat parkinsonian model: study of behavior correlated with neuronal activity in the pedunculo-pontine nucleus. <i>Journal of Neurosurgery</i> , 2003, 99, 762-767.	0.9	27
187	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
188	Radiological and Hormonal Responses of Functioning Pituitary Adenomas after $\Gamma^3$ Knife Radiosurgery. <i>Yonsei Medical Journal</i> , 2003, 44, 602.	0.9	58
189	Neurophysiological identification and characterization of thalamic neurons with single unit recording in essential tremor patients. , 2003, 87, 133-136.		9
190	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
191	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
192	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
193	Chronic epidural hematoma with rapid ossification. <i>Child's Nervous System</i> , 2002, 18, 712-716.	0.6	26
194	Gamma Knife Radiosurgery for Metastatic Brain Tumors. <i>Stereotactic and Functional Neurosurgery</i> , 2001, 76, 201-203.	0.8	3
195	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
196	Microelectrode Recording-Guided Deep Brain Stimulation in Patients with Movement Disorders (First) Tj ETQq0 0 0 rgBT /Overlock 10 Tf		
197	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
198	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

#	ARTICLE	IF	CITATIONS
199	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
200	Gamma knife radiosurgery for idiopathic and secondary trigeminal neuralgia. <i>Journal of Neurosurgery</i> , 2000, 93, 147-151.	0.9	34
201	Surgical Management of Intractable Epilepsy. <i>Stereotactic and Functional Neurosurgery</i> , 1998, 70, 81-88.	0.8	4
202	Microvascular Decompression and Percutaneous Rhizotomy in Trigeminal Neuralgia. <i>Stereotactic and Functional Neurosurgery</i> , 1997, 68, 196-199.	0.8	45
203	Gamma knife surgery in pituitary microadenomas. <i>Yonsei Medical Journal</i> , 1996, 37, 165.	0.9	42
204	Complications Following Gamma Knife Radiosurgery. <i>Stereotactic and Functional Neurosurgery</i> , 1995, 64, 239-248.	0.8	12