

Volker Arnd Coenen

List of Publications by Year in descending order

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Version: 2024-02-01

124
papers

5,892
citations

109321

35
h-index

82547

72
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128
all docs

128
docs citations

128
times ranked

5797
citing authors

#	ARTICLE	IF	CITATIONS
1	Diverging prefrontal cortex fiber connection routes to the subthalamic nucleus and the mesencephalic ventral tegmentum investigated with long range (normative) and short range (ex-vivo) Tj ETQq1 1 02784314 mgBT /Over	3.3	1
2	Fiber tractography-assisted deep brain stimulation surgery: Connectomics in the operating room. , 2022, , 465-481.		0
3	Early cisternal fibrinolysis is more effective than rescue spasmolysis for the prevention of delayed infarction after subarachnoid haemorrhage. Stroke and Vascular Neurology, 2022, 7, 108-113.	3.3	1
4	Acute head- and gaze deviation, facial asymmetry and anarthria mimicking stroke, caused by short circuit in deep brain stimulation. Brain Stimulation, 2022, 15, 257-259.	1.6	0
5	Optogenetic stimulation of ventral tegmental area dopaminergic neurons in a female rodent model of depression: The effect of different stimulation patterns. Journal of Neuroscience Research, 2022, 100, 897-911.	2.9	4
6	Electrode placement for SEEG: Combining stereotactic technique with latest generation planning software for intraoperative visualization and postoperative evaluation of accuracy and accuracy predictors. Clinical Neurology and Neurosurgery, 2022, 213, 107137.	1.4	6
7	“The Heart Asks Pleasure First” Conceptualizing Psychiatric Diseases as MAINTENANCE Network Dysfunctions through Insights from sIMFB DBS in Depression and Obsessive“Compulsive Disorder. Brain Sciences, 2022, 12, 438.	2.3	4
8	A Neuroanatomy of Positive Affect Display “ Subcortical Fiber Pathways Relevant for Initiation and Modulation of Smiling and Laughing. Frontiers in Behavioral Neuroscience, 2022, 16, 817554.	2.0	2
9	Efficacy of superolateral medial forebrain bundle deep brain stimulation in obsessive-compulsive disorder. Brain Stimulation, 2022, 15, 582-585.	1.6	5
10	Quality of Life After Deep Brain Stimulation of Pediatric Patients with Dyskinetic Cerebral Palsy: A Prospective, Single“Arm, Multicenter Study with a Subsequent Randomized Double“Blind Crossover (<sc>STIM“CP</sc>). Movement Disorders, 2022, 37, 799-811.	3.9	10
11	Stimulated Raman histology in the neurosurgical workflow of a major European neurosurgical center “ part A. Neurosurgical Review, 2022, 45, 1731-1739.	2.4	12
12	Resolving dyskinesias at sustained anti-OCD efficacy by steering of DBS away from the anteromedial STN to the mesencephalic ventral tegmentum “ case report. Acta Neurochirurgica, 2022, 164, 2303-2307.	1.7	4
13	Slow Wave Sleep Deficits in the Flinders Sensitive Line Rodent Model of Depression: Effects of Medial Forebrain Bundle Deep-Brain Stimulation. Neuroscience, 2022, 498, 31-49.	2.3	3
14	Deep brain stimulation for obsessive“compulsive disorder: a crisis of access. Nature Medicine, 2022, 28, 1529-1532.	30.7	36
15	Deep brain stimulation for refractory obsessive-compulsive disorder (OCD): emerging or established therapy?. Molecular Psychiatry, 2021, 26, 60-65.	7.9	54
16	Neuromodulation in Psychiatric disorders: Experimental and Clinical evidence for reward and motivation network Deep Brain Stimulation: Focus on the medial forebrain bundle. European Journal of Neuroscience, 2021, 53, 89-113.	2.6	23
17	Navigated Deep Brain Stimulation Surgery: Evaluating the Combined Use of a Frame-Based Stereotactic System and a Navigation System. Stereotactic and Functional Neurosurgery, 2021, 99, 48-54.	1.5	2
18	Robust intra-individual estimation of structural connectivity by Principal Component Analysis. NeuroImage, 2021, 226, 117483.	4.2	1

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19	The rostro-caudal gradient in the prefrontal cortex and its modulation by subthalamic deep brain stimulation in Parkinson's disease. <i>Scientific Reports</i> , 2021, 11, 2138.	3.3	2
20	Invasive brain stimulation in the treatment of psychiatric illness" proposed indications and approaches. <i>Deutsches &#x0308;rzteblatt International</i> , 2021, 118, 31-36.	0.9	3
21	SPECTRE "A novel dMRI visualization technique for the display of cerebral connectivity. <i>Human Brain Mapping</i> , 2021, 42, 2309-2321.	3.6	3
22	Stereotactic cysto-ventricular catheters in craniopharyngiomas: an effective minimally invasive method to improve visual impairment and achieve long-term cyst volume reduction. <i>Neurosurgical Review</i> , 2021, 44, 3411-3420.	2.4	7
23	Stereotactic cisternal lavage in patients with aneurysmal subarachnoid hemorrhage with urokinase and nimodipine for the prevention of secondary brain injury (SPLASH): study protocol for a randomized controlled trial. <i>Trials</i> , 2021, 22, 285.	1.6	2
24	Commentary: Posteromedial Hypothalamic Deep Brain Stimulation for Refractory Aggressiveness in a Patient With Weaver Syndrome: Clinical, Technical Report and Operative Video. <i>Operative Neurosurgery</i> , 2021, 21, E226-E228.	0.8	0
25	A detailed analysis of anatomical plausibility of crossed and uncrossed streamline rendition of the dentato-rubro-thalamic tract (DRT(T)) in a commercial stereotactic planning system. <i>Acta Neurochirurgica</i> , 2021, 163, 2809-2824.	1.7	5
26	Application of Augmented Reality in Percutaneous Procedures" Rhizotomy of the Gasserian Ganglion. <i>Operative Neurosurgery</i> , 2021, 21, 160-164.	0.8	10
27	A subgaleal electrode array for neurostimulation allows the recording of relevant information in closed loop applications. <i>Journal of Neuroscience Methods</i> , 2021, 362, 109295.	2.5	6
28	DTI for brain targeting: Diffusion weighted imaging fiber tractography" Assisted deep brain stimulation. <i>International Review of Neurobiology</i> , 2021, 159, 47-67.	2.0	6
29	Impact of Stereotactic Ventriculocisternostomy on Delayed Cerebral Infarction and Outcome After Subarachnoid Hemorrhage. <i>Stroke</i> , 2020, 51, 431-439.	2.0	8
30	Identifying controllable cortical neural markers with machine learning for adaptive deep brain stimulation in Parkinson's disease. <i>NeuroImage: Clinical</i> , 2020, 28, 102376.	2.7	13
31	Deep Brain Stimulation for Major Depression and Obsessive-Compulsive Disorder" Discontinuation of Ongoing Stimulation. <i>Psych</i> , 2020, 2, 174-185.	1.6	1
32	Neuroimaging and electrophysiology meet invasive neurostimulation for causal interrogations and modulations of brain states. <i>NeuroImage</i> , 2020, 220, 117144.	4.2	17
33	Medial forebrain bundle DBS differentially modulates dopamine release in the nucleus accumbens in a rodent model of depression. <i>Experimental Neurology</i> , 2020, 327, 113224.	4.1	13
34	Johann Bernhard Aloys von Gudden: The Unrecognized Role of the Psychiatrist and Neuroanatomist in Modern Stereotactic Neurosurgery. <i>Stereotactic and Functional Neurosurgery</i> , 2020, 98, 65-69.	1.5	2
35	Tractographic description of major subcortical projection pathways passing the anterior limb of the internal capsule. Corticopetal organization of networks relevant for psychiatric disorders. <i>NeuroImage: Clinical</i> , 2020, 25, 102165.	2.7	52
36	Deep Brain Stimulation of the Medial Forebrain Bundle in a Rodent Model of Depression: Exploring Dopaminergic Mechanisms with Raclopride and Micro-PET. <i>Stereotactic and Functional Neurosurgery</i> , 2020, 98, 8-20.	1.5	15

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37	DBS dysfunction mimicking transient ischemic attacks—a case report. <i>Acta Neurochirurgica</i> , 2020, 162, 1077-1079.	1.7	0
38	There's more to the picture than meets the eye. <i>Acta Neurochirurgica</i> , 2020, 162, 1869-1870.	1.7	0
39	The dentato-rubro-thalamic tract as the potential common deep brain stimulation target for tremor of various origin: an observational case series. <i>Acta Neurochirurgica</i> , 2020, 162, 1053-1066.	1.7	73
40	Tremor. , 2020, , 193-215.		0
41	Enhanced mGlu5 Signaling in Excitatory Neurons Promotes Rapid Antidepressant Effects via AMPA Receptor Activation. <i>Neuron</i> , 2019, 104, 338-352.e7.	8.1	55
42	Frontal white matter architecture predicts efficacy of deep brain stimulation in major depression. <i>Translational Psychiatry</i> , 2019, 9, 197.	4.8	32
43	Surgical decision making for deep brain stimulation should not be based on aggregated normative data mining. <i>Brain Stimulation</i> , 2019, 12, 1345-1348.	1.6	24
44	Hippocampal theta phases organize the reactivation of large-scale electrophysiological representations during goal-directed navigation. <i>Science Advances</i> , 2019, 5, eaav8192.	10.3	56
45	Machine learning-aided personalized DTI tractographic planning for deep brain stimulation of the superolateral medial forebrain bundle using HAMLET. <i>Acta Neurochirurgica</i> , 2019, 161, 1559-1569.	1.7	24
46	Adverse events associated with deep brain stimulation in patients with childhood-onset dystonia. <i>Brain Stimulation</i> , 2019, 12, 1111-1120.	1.6	20
47	Probabilistic mapping of the antidystonic effect of pallidal neurostimulation: a multicentre imaging study. <i>Brain</i> , 2019, 142, 1386-1398.	7.6	105
48	Automatic Segmentation of the Subthalamic Nucleus: A Viable Option to Support Planning and Visualization of Patient-Specific Targeting in Deep Brain Stimulation. <i>Operative Neurosurgery</i> , 2019, 17, 497-502.	0.8	10
49	Superolateral medial forebrain bundle deep brain stimulation in major depression: a gateway trial. <i>Neuropsychopharmacology</i> , 2019, 44, 1224-1232.	5.4	109
50	A novel rescue therapy for cerebral vasospasm: Cisternal Nimodipine application via stereotactic catheter ventriculocisternostomy. <i>Journal of Clinical Neuroscience</i> , 2019, 63, 244-248.	1.5	8
51	Spatial and temporal heterogeneity of mouse and human microglia at single-cell resolution. <i>Nature</i> , 2019, 566, 388-392.	27.8	853
52	Bilateral Globus Pallidus Internus Deep Brain Stimulation in a Case of Progressive Dystonia in Mohr-Tranebjaerg Syndrome with Bilateral Cochlear Implants. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2019, 80, 044-048.	0.8	3
53	Discontinuation of Superolateral Medial Forebrain Bundle Deep Brain Stimulation for Treatment-Resistant Depression Leads to Critical Relapse. <i>Biological Psychiatry</i> , 2019, 85, e23-e24.	1.3	14
54	The Surgical Approach to the Anterior Nucleus of Thalamus in Patients With Refractory Epilepsy: Experience from the International Multicenter Registry (MORE). <i>Neurosurgery</i> , 2019, 84, 141-150.	1.1	57

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55	The dynamics of error processing in the human brain as reflected by high-gamma activity in noninvasive and intracranial EEG. <i>NeuroImage</i> , 2018, 173, 564-579.	4.2	31
56	The stereotactic suboccipitaltranscerebellar approach to lesions of the brainstem and the cerebellum. <i>Clinical Neurology and Neurosurgery</i> , 2018, 166, 10-15.	1.4	3
57	The effects of bilateral, continuous, and chronic Deep Brain Stimulation of the medial forebrain bundle in a rodent model of depression. <i>Experimental Neurology</i> , 2018, 303, 153-161.	4.1	28
58	Deep brain stimulation of the supero-lateral branch of the medial forebrain bundle does not lead to changes in personality in patients suffering from severe depression. <i>Psychological Medicine</i> , 2018, 48, 2684-2692.	4.5	14
59	The anatomy of the human medial forebrain bundle: Ventral tegmental area connections to reward-associated subcortical and frontal lobe regions. <i>NeuroImage: Clinical</i> , 2018, 18, 770-783.	2.7	93
60	Integrity Assessment of a Hybrid DBS Probe that Enables Neurotransmitter Detection Simultaneously to Electrical Stimulation and Recording. <i>Micromachines</i> , 2018, 9, 510.	2.9	12
61	Combination of CT angiography and MRI in surgical planning of deep brain stimulation. <i>Neuroradiology</i> , 2018, 60, 1151-1158.	2.2	6
62	Tractography-assisted deep brain stimulation of the superolateral branch of the medial forebrain bundle (slMFB DBS) in major depression. <i>NeuroImage: Clinical</i> , 2018, 20, 580-593.	2.7	69
63	Development of a Standardized Cranial Phantom for Training and Optimization of Functional Stereotactic Operations. <i>Stereotactic and Functional Neurosurgery</i> , 2018, 96, 190-196.	1.5	5
64	Stereotactic Catheter Ventriculocisternostomy for Clearance of Subarachnoid Hemorrhage in Patients with Coiled Aneurysms. <i>Operative Neurosurgery</i> , 2018, 14, 231-235.	0.8	8
65	One Pass Thalamic and Subthalamic Stimulation for Patients with Tremor-Dominant Idiopathic Parkinson Syndrome (OPINION): Protocol for a Randomized, Active-Controlled, Double-Blinded Pilot Trial. <i>JMIR Research Protocols</i> , 2018, 7, e36.	1.0	16
66	The medial forebrain bundle as a target for deep brain stimulation for obsessive-compulsive disorder. <i>CNS Spectrums</i> , 2017, 22, 282-289.	1.2	81
67	Acute antidepressant effects of deep brain stimulation – Review and data from slMFB-stimulation. <i>Personalized Medicine in Psychiatry</i> , 2017, 3, 1-7.	0.1	6
68	Rapid battery depletion and loss of therapy due to a short circuit in bipolar DBS for essential tremor. <i>Acta Neurochirurgica</i> , 2017, 159, 795-798.	1.7	4
69	Deep brain stimulation to the medial forebrain bundle for depression- long-term outcomes and a novel data analysis strategy. <i>Brain Stimulation</i> , 2017, 10, 664-671.	1.6	118
70	Determining the Orientation of Directional Deep Brain Stimulation Electrodes Using 3D Rotational Fluoroscopy. <i>American Journal of Neuroradiology</i> , 2017, 38, 1111-1116.	2.4	57
71	Postoperative neuroimaging analysis of DRT deep brain stimulation revision surgery for complicated essential tremor. <i>Acta Neurochirurgica</i> , 2017, 159, 779-787.	1.7	39
72	Deep brain stimulation for bipolar disorder – review and outlook. <i>CNS Spectrums</i> , 2017, 22, 254-257.	1.2	27

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73	Feasibility of stereotactic catheter ventriculocisternostomy for cisternal lavage therapy in patients with subarachnoid hemorrhage. <i>Clinical Neurology and Neurosurgery</i> , 2017, 163, 94-102.	1.4	4
74	Stereotactic Catheter Ventriculocisternostomy for Clearance of Subarachnoid Hemorrhage. <i>Stroke</i> , 2017, 48, 2704-2709.	2.0	13
75	Reply:. <i>American Journal of Neuroradiology</i> , 2017, 38, E106-E108.	2.4	1
76	Novel compound heterozygous synaptotagmin-1 mutation causes ^L-dopa-responsive dystonia in parkinsonism syndrome. <i>Movement Disorders</i> , 2017, 32, 478-480.	3.9	14
77	Correlations between Motor Symptoms across Different Motor Tasks, Quantified via Random Forest Feature Classification in Parkinson's Disease. <i>Frontiers in Neurology</i> , 2017, 8, 607.	2.4	20
78	Autonomy in Depressive Patients Undergoing DBS-Treatment: Informed Consent, Freedom of Will and DBS's Potential to Restore It. <i>Frontiers in Integrative Neuroscience</i> , 2017, 11, 11.	2.1	10
79	Electrophysiologic Validation of Diffusion Tensor Imaging Tractography during Deep Brain Stimulation Surgery. <i>American Journal of Neuroradiology</i> , 2016, 37, 1470-1478.	2.4	25
80	Burst firing of single neurons in the human medial temporal lobe changes before epileptic seizures. <i>Clinical Neurophysiology</i> , 2016, 127, 3329-3334.	1.5	14
81	Early experiences with tachycardia-triggered vagus nerve stimulation using the AspireSR stimulator. <i>Epileptic Disorders</i> , 2016, 18, 155-162.	1.3	17
82	One-pass deep brain stimulation of dentato-rubro-thalamic tract and subthalamic nucleus for tremor-dominant or equivalent type Parkinson's disease. <i>Acta Neurochirurgica</i> , 2016, 158, 773-781.	1.7	50
83	Ventral tegmental area dopaminergic lesion-induced depressive phenotype in the rat is reversed by deep brain stimulation of the medial forebrain bundle. <i>Behavioural Brain Research</i> , 2016, 299, 132-140.	2.2	30
84	Deep Brain Stimulation for Tremor Tractographic Versus Traditional (DISTINCT): Study Protocol of a Randomized Controlled Feasibility Trial. <i>JMIR Research Protocols</i> , 2016, 5, e244.	1.0	19
85	A prospective, multicenter study of cardiac-based seizure detection to activate vagus nerve stimulation. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2015, 32, 52-61.	2.0	161
86	Brain alterations with deep brain stimulation: New insight from a neuropathological case series. <i>Movement Disorders</i> , 2015, 30, 1125-1130.	3.9	22
87	Deep Brain Stimulation in Neurological and Psychiatric Disorders. <i>Deutsches &#x0308;rzteblatt International</i> , 2015, 112, 519-26.	0.9	30
88	Feasibility and Safety of Continuous and Chronic Bilateral Deep Brain Stimulation of the Medial Forebrain Bundle in the Na ⁺ -ve Sprague-Dawley Rat. <i>Behavioural Neurology</i> , 2015, 2015, 1-13.	2.1	19
89	Continuous High-Frequency Stimulation of the Subthalamic Nucleus Improves Cell Survival and Functional Recovery Following Dopaminergic Cell Transplantation in Rodents. <i>Neurorehabilitation and Neural Repair</i> , 2015, 29, 1001-1012.	2.9	11
90	Unilateral contrast-enhancing pontomedullary lesion due to an intracranial dural arteriovenous fistula with perimedullary spinal venous drainage: the exception that proves the rule. <i>Journal of Neurosurgery</i> , 2015, 123, 1534-1539.	1.6	16

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91	Diffusion tensor magnetic resonance imaging (DTI) tractography-guided deep brain stimulation in neuropathic pain. <i>Acta Neurochirurgica</i> , 2015, 157, 739-741.	1.7	17
92	Neurons in the human amygdala encode face identity, but not gaze direction. <i>Nature Neuroscience</i> , 2015, 18, 1568-1570.	14.8	37
93	Letter to the Editor: Correlation of diffusion tensor imaging and intraoperative macrostimulation. <i>Journal of Neurosurgery</i> , 2015, 123, 291-292.	1.6	3
94	Chronic deep brain stimulation of the medial forebrain bundle reverses depressive-like behavior in a hemiparkinsonian rodent model. <i>Experimental Brain Research</i> , 2015, 233, 3073-3085.	1.5	32
95	Electrical stimulation of the medial forebrain bundle in pre-clinical studies of psychiatric disorders. <i>Neuroscience and Biobehavioral Reviews</i> , 2015, 49, 32-42.	6.1	37
96	Modulation of the Cerebello-Thalamo-Cortical Network in Thalamic Deep Brain Stimulation for Tremor. <i>Neurosurgery</i> , 2014, 75, 657-670.	1.1	211
97	Affective Neuroscience Strategies for Understanding and Treating Depression. <i>Clinical Psychological Science</i> , 2014, 2, 472-494.	4.0	68
98	Deep Brain Stimulation of the Human Reward System for Major Depression—Rationale, Outcomes and Outlook. <i>Neuropsychopharmacology</i> , 2014, 39, 1303-1314.	5.4	126
99	Cognitive effects of deep brain stimulation for essential tremor: evaluation at 1 and 6 years. <i>Journal of Neural Transmission</i> , 2013, 120, 1569-1577.	2.8	23
100	Reply to: Medial Forebrain Bundle Stimulation—Speed Access to an Old or Entry into a New Depression Neurocircuit?. <i>Biological Psychiatry</i> , 2013, 74, e45-e46.	1.3	19
101	Rapid Effects of Deep Brain Stimulation for Treatment-Resistant Major Depression. <i>Biological Psychiatry</i> , 2013, 73, 1204-1212.	1.3	502
102	Human Medial Forebrain Bundle (MFB) and Anterior Thalamic Radiation (ATR): Imaging of Two Major Subcortical Pathways and the Dynamic Balance of Opposite Affects in Understanding Depression. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 2012, 24, 223-236.	1.8	300
103	Diffusion Tensor Imaging and Neuromodulation. <i>International Review of Neurobiology</i> , 2012, 107, 207-234.	2.0	59
104	Individual Fiber Anatomy of the Subthalamic Region Revealed With Diffusion Tensor Imaging: A Concept to Identify the Deep Brain Stimulation Target for Tremor Suppression. <i>Neurosurgery</i> , 2011, 68, 1069-1076.	1.1	138
105	Cross-species affective functions of the medial forebrain bundle—Implications for the treatment of affective pain and depression in humans. <i>Neuroscience and Biobehavioral Reviews</i> , 2011, 35, 1971-1981.	6.1	227
106	A role of diffusion tensor imaging fiber tracking in deep brain stimulation surgery: DBS of the dentato-rubro-thalamic tract (drt) for the treatment of therapy-refractory tremor. <i>Acta Neurochirurgica</i> , 2011, 153, 1579-1585.	1.7	193
107	A case of tremor reduction and almost complete ageusia under bilateral thalamic (VIM) deep brain stimulation in essential tremor—a therapeutic dilemma. <i>Acta Neurochirurgica</i> , 2011, 153, 2361-2363.	1.7	8
108	Tractographic Analysis of Historical Lesion Surgery for Depression. <i>Neuropsychopharmacology</i> , 2010, 35, 2553-2563.	5.4	77

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109	Balance and Motor Speech Impairment in Essential Tremor. <i>Cerebellum</i> , 2009, 8, 389-398.	2.5	102
110	MEDIAL FOREBRAIN BUNDLE STIMULATION AS A PATHOPHYSIOLOGICAL MECHANISM FOR HYPOMANIA IN SUBTHALAMIC NUCLEUS DEEP BRAIN STIMULATION FOR PARKINSON'S DISEASE. <i>Neurosurgery</i> , 2009, 64, 1106-1115.	1.1	166
111	What is dorso-lateral in the subthalamic Nucleus (STN)?â€”a topographic and anatomical consideration on the ambiguous description of todayâ€™s primary target for deep brain stimulation (DBS) surgery. <i>Acta Neurochirurgica</i> , 2008, 150, 1163-1165.	1.7	41
112	How useful is the 3-dimensional, surgeonâ€™s perspective-adjusted visualisation of the vessel anatomy during aneurysm surgery? A prospective clinical trial. <i>Neurosurgical Review</i> , 2007, 30, 209-217.	2.4	15
113	The effect of subthalamic nucleus deep brain stimulation on precision grip abnormalities in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2006, 12, 149-154.	2.2	13
114	Virtual placement of posterior C1-C2 transarticular screw fixation. <i>Neurosurgical Review</i> , 2006, 29, 114-117.	2.4	15
115	On-demand deep brain stimulation for essential tremor: A report on four cases. <i>Movement Disorders</i> , 2006, 21, 401-405.	3.9	44
116	Spinal dural arteriovenous fistula associated with a spinal perimedullary fistula. <i>Journal of Neurosurgery: Spine</i> , 2006, 4, 241-245.	1.7	28
117	Sequential Visualization of Brain and Fiber Tract Deformation during Intracranial Surgery with Three-dimensional Ultrasound: An Approach to Evaluate the Effect of Brain Shift. <i>Operative Neurosurgery</i> , 2005, 56, ONS-133-ONS-141.	0.8	43
118	Endoscopic Transtentorial Ventriculocystostomy and Cystoventriculoperitoneal Shunt in a Neonate with Dandy-Walker Malformation and Associated Aqueductal Obstruction. <i>Pediatric Neurosurgery</i> , 2005, 41, 272-277.	0.7	21
119	Imaging of postthalamic visual fiber tracts by anisotropic diffusion weighted MRI and diffusion tensor imaging: principles and applications. <i>European Journal of Radiology</i> , 2004, 49, 91-104.	2.6	24
120	Intraoperative three-dimensional visualization of the pyramidal tract in a neuronavigation system (PTV) reliably predicts true position of principal motor pathways. <i>World Neurosurgery</i> , 2003, 60, 381-390.	1.3	75
121	Preoperative assessment of motor cortex and pyramidal tracts in central cavernoma employing functional and diffusion-weighted magnetic resonance imaging. <i>World Neurosurgery</i> , 2002, 58, 302-307.	1.3	29
122	In vivo 3D visualization of normal pyramidal tracts in human subjects using diffusion weighted magnetic resonance imaging and a neuronavigation system. <i>Neuroscience Letters</i> , 2001, 307, 192-196.	2.1	23
123	Three-dimensional Visualization of the Pyramidal Tract in a Neuronavigation System during Brain Tumor Surgery: First Experiences and Technical Note. <i>Neurosurgery</i> , 2001, 49, 86-93.	1.1	107
124	Efficacy of transluminal angioplasty for the management of symptomatic cerebral vasospasm following aneurysmal subarachnoid hemorrhage. <i>Journal of Neurosurgery</i> , 2000, 92, 284-290.	1.6	159