

# Hugues Duffau

## List of Publications by Year in descending order

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401  
papers

33,277  
citations

2544

96  
h-index

5255

165  
g-index

423  
all docs

423  
docs citations

423  
times ranked

13381  
citing authors

#	ARTICLE	IF	CITATIONS
1	Meta-analyzing left hemisphere language areas: Phonology, semantics, and sentence processing. <i>NeuroImage</i> , 2006, 30, 1414-1432.	4.2	1,573
2	Impact of Intraoperative Stimulation Brain Mapping on Glioma Surgery Outcome: A Meta-Analysis. <i>Journal of Clinical Oncology</i> , 2012, 30, 2559-2565.	1.6	832
3	Direct Evidence for a Parietal-Frontal Pathway Subserving Spatial Awareness in Humans. <i>Science</i> , 2005, 309, 2226-2228.	12.6	600
4	Lessons from brain mapping in surgery for low-grade glioma: insights into associations between tumour and brain plasticity. <i>Lancet Neurology</i> , The, 2005, 4, 476-486.	10.2	573
5	New insights into the anatomo-functional connectivity of the semantic system: a study using cortico-subcortical electrostimulations. <i>Brain</i> , 2005, 128, 797-810.	7.6	563
6	Intraoperative mapping of the subcortical language pathways using direct stimulations. <i>Brain</i> , 2002, 125, 199-214.	7.6	527
7	Contribution of intraoperative electrical stimulations in surgery of low grade gliomas: a comparative study between two series without (1985-96) and with (1996-2003) functional mapping in the same institution. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2005, 76, 845-851.	1.9	506
8	Usefulness of intraoperative electrical subcortical mapping during surgery for low-grade gliomas located within eloquent brain regions: functional results in a consecutive series of 103 patients. <i>Journal of Neurosurgery</i> , 2003, 98, 764-778.	1.6	452
9	Intraoperative subcortical stimulation mapping of language pathways in a consecutive series of 115 patients with Grade II glioma in the left dominant hemisphere. <i>Journal of Neurosurgery</i> , 2008, 109, 461-471.	1.6	447
10	Continuous growth of mean tumor diameter in a subset of grade II gliomas. <i>Annals of Neurology</i> , 2003, 53, 524-528.	5.3	437
11	Guidelines on management of low-grade gliomas: report of an EFNS-EANO* Task Force. <i>European Journal of Neurology</i> , 2010, 17, 1124-1133.	3.3	428
12	Contrasting acute and slow-growing lesions: a new door to brain plasticity. <i>Brain</i> , 2006, 130, 898-914.	7.6	423
13	Anatomic dissection of the inferior fronto-occipital fasciculus revisited in the lights of brain stimulation data. <i>Cortex</i> , 2010, 46, 691-699.	2.4	420
14	Preferential brain locations of low-grade gliomas. <i>Cancer</i> , 2004, 100, 2622-2626.	4.1	385
15	Does the left inferior longitudinal fasciculus play a role in language? A brain stimulation study. <i>Brain</i> , 2007, 130, 623-629.	7.6	357
16	Spontaneous and therapeutic prognostic factors in adult hemispheric World Health Organization Grade II gliomas: a series of 1097 cases. <i>Journal of Neurosurgery</i> , 2013, 118, 1157-1168.	1.6	357
17	Temozolomide As Initial Treatment for Adults With Low-Grade Oligodendrogliomas or Oligoastrocytomas and Correlation With Chromosome 1p Deletions. <i>Journal of Clinical Oncology</i> , 2004, 22, 3133-3138.	1.6	336
18	Stimulation mapping of white matter tracts to study brain functional connectivity. <i>Nature Reviews Neurology</i> , 2015, 11, 255-265.	10.1	327

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19	Evidence for potentials and limitations of brain plasticity using an atlas of functional resectability of WHO grade II gliomas: Towards a "minimal common brain". <i>NeuroImage</i> , 2011, 56, 992-1000.	4.2	325
20	Awake surgery for WHO Grade II gliomas within "noneloquent" areas in the left dominant hemisphere: toward a "supratotal" resection. <i>Journal of Neurosurgery</i> , 2011, 115, 232-239.	1.6	322
21	A re-examination of neural basis of language processing: Proposal of a dynamic hodotopical model from data provided by brain stimulation mapping during picture naming. <i>Brain and Language</i> , 2014, 131, 1-10.	1.6	308
22	The anatomo-functional connectivity of language revisited. <i>Neuropsychologia</i> , 2008, 46, 927-934.	1.6	306
23	Functional recovery after surgical resection of low grade gliomas in eloquent brain: hypothesis of brain compensation. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2003, 74, 901-907.	1.9	299
24	Intraoperative electrical stimulation in awake craniotomy: methodological aspects of current practice. <i>Neurosurgical Focus</i> , 2010, 28, E7.	2.3	296
25	Brain plasticity: From pathophysiological mechanisms to therapeutic applications. <i>Journal of Clinical Neuroscience</i> , 2006, 13, 885-897.	1.5	293
26	Epileptic seizures in diffuse low-grade gliomas in adults. <i>Brain</i> , 2014, 137, 449-462.	7.6	289
27	Temozolomide for low-grade gliomas: Predictive impact of 1p/19q loss on response and outcome. <i>Neurology</i> , 2007, 68, 1831-1836.	1.1	282
28	Frontal terminations for the inferior fronto-occipital fascicle: anatomical dissection, DTI study and functional considerations on a multi-component bundle. <i>Brain Structure and Function</i> , 2013, 218, 21-37.	2.3	280
29	Probabilistic map of critical functional regions of the human cerebral cortex: Broca's area revisited. <i>Brain</i> , 2014, 137, 2773-2782.	7.6	280
30	The huge plastic potential of adult brain and the role of connectomics: New insights provided by serial mappings in glioma surgery. <i>Cortex</i> , 2014, 58, 325-337.	2.4	254
31	Analysis of the subcomponents and cortical terminations of the perisylvian superior longitudinal fasciculus: a fiber dissection and DTI tractography study. <i>Brain Structure and Function</i> , 2013, 218, 105-121.	2.3	239
32	Mapping neuroplastic potential in brain-damaged patients. <i>Brain</i> , 2016, 139, 829-844.	7.6	233
33	New concepts in surgery of WHO grade II gliomas: functional brain mapping, connectionism and plasticity " a review. <i>Journal of Neuro-Oncology</i> , 2006, 79, 77-115.	2.9	228
34	Prognostic value of initial magnetic resonance imaging growth rates for World Health Organization grade II gliomas. <i>Annals of Neurology</i> , 2006, 60, 380-383.	5.3	225
35	Comparison of diffusion tensor imaging tractography of language tracts and intraoperative subcortical stimulations. <i>Journal of Neurosurgery</i> , 2010, 112, 503-511.	1.6	218
36	Awake Mapping Optimizes the Extent of Resection for Low-Grade Gliomas in Eloquent Areas. <i>Neurosurgery</i> , 2010, 66, 1074-1084.	1.1	217

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37	Role of fronto-striatal tract and frontal aslant tract in movement and speech: an axonal mapping study. <i>Brain Structure and Function</i> , 2015, 220, 3399-3412.	2.3	217
38	Functional Anatomy of the Inferior Longitudinal Fasciculus: From Historical Reports to Current Hypotheses. <i>Frontiers in Neuroanatomy</i> , 2018, 12, 77.	1.7	217
39	Long-term brain plasticity allowing a multistage surgical approach to World Health Organization Grade II gliomas in eloquent areas. <i>Journal of Neurosurgery</i> , 2008, 109, 615-624.	1.6	214
40	Intra-Operative Direct Electrical Stimulations of the Central Nervous System: The SalpÃªtriÃªre Experience With 60 Patients. <i>Acta Neurochirurgica</i> , 1999, 141, 1157-1167.	1.7	213
41	Is the left uncinete fasciculus essential for language?. <i>Journal of Neurology</i> , 2009, 256, 382-389.	3.6	211
42	Seizures in low-grade gliomas: natural history, pathogenesis, and outcome after treatments. <i>Neuro-Oncology</i> , 2012, 14, iv55-iv64.	1.2	203
43	The left inferior fronto-occipital fasciculus subserves language semantics: a multilevel lesion study. <i>Brain Structure and Function</i> , 2015, 220, 1983-1995.	2.3	202
44	The role of dominant premotor cortex in language: a study using intraoperative functional mapping in awake patients. <i>NeuroImage</i> , 2003, 20, 1903-1914.	4.2	196
45	Long-term outcomes after supratotal resection of diffuse low-grade gliomas: a consecutive series with 11-year follow-up. <i>Acta Neurochirurgica</i> , 2016, 158, 51-58.	1.7	195
46	A personal consecutive series of surgically treated 51 cases of insular WHO Grade II glioma: advances and limitations. <i>Journal of Neurosurgery</i> , 2009, 110, 696-708.	1.6	194
47	Postoperative speech disorder after medial frontal surgery. <i>Neurology</i> , 2003, 60, 587-594.	1.1	192
48	Surgery of low-grade gliomas: towards a "functional neurooncology"™. <i>Current Opinion in Oncology</i> , 2009, 21, 543-549.	2.4	187
49	Role of the healthy hemisphere in recovery after resection of the supplementary motor area. <i>Neurology</i> , 2004, 62, 1323-1332.	1.1	186
50	Mapping the connectivity underlying multimodal (verbal and non-verbal) semantic processing: A brain electrostimulation study. <i>Neuropsychologia</i> , 2013, 51, 1814-1822.	1.6	186
51	The role of dominant striatum in language: a study using intraoperative electrical stimulations. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2005, 76, 940-946.	1.9	185
52	Dynamic history of low-grade gliomas before and after temozolomide treatment. <i>Annals of Neurology</i> , 2007, 61, 484-490.	5.3	185
53	Assessment of verbal working memory before and after surgery for low-grade glioma. <i>Journal of Neuro-Oncology</i> , 2007, 81, 305-313.	2.9	185
54	Direct electrical stimulation as an input gate into brain functional networks: principles, advantages and limitations. <i>Acta Neurochirurgica</i> , 2010, 152, 185-193.	1.7	181

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55	Role of the supplementary motor area in motor deficit following medial frontal lobe surgery. <i>Neurology</i> , 2001, 57, 871-878.	1.1	180
56	Somatotopy of the Supplementary Motor Area: Evidence from Correlation of the Extent of Surgical Resection with the Clinical Patterns of Deficit. <i>Neurosurgery</i> , 2002, 50, 297-305.	1.1	180
57	The "onco-functional balance" in surgery for diffuse low-grade glioma: integrating the extent of resection with quality of life. <i>Acta Neurochirurgica</i> , 2013, 155, 951-957.	1.7	172
58	Selection of intraoperative tasks for awake mapping based on relationships between tumor location and functional networks. <i>Journal of Neurosurgery</i> , 2013, 119, 1380-1394.	1.6	169
59	Natural history of incidental world health organization grade II gliomas. <i>Annals of Neurology</i> , 2010, 68, 727-733.	5.3	168
60	Inferring a dual-stream model of mentalizing from associative white matter fibres disconnection. <i>Brain</i> , 2014, 137, 944-959.	7.6	163
61	RESECTION OF WORLD HEALTH ORGANIZATION GRADE II GLIOMAS INVOLVING BROCA'S AREA. <i>Neurosurgery</i> , 2007, 61, 741-753.	1.1	162
62	Contribution of cortical and subcortical electrostimulation in brain glioma surgery: Methodological and functional considerations. <i>Neurophysiologie Clinique</i> , 2007, 37, 373-382.	2.2	159
63	Brain Hodotopy: From Esoteric Concept to Practical Surgical Applications. <i>Neurosurgery</i> , 2011, 68, 1709-1723.	1.1	159
64	New concepts in the management of diffuse low-grade glioma: Proposal of a multistage and individualized therapeutic approach. <i>Neuro-Oncology</i> , 2015, 17, 332-42.	1.2	158
65	Extension of paralimbic low grade gliomas: toward an anatomical classification based on white matter invasion patterns. <i>Journal of Neuro-Oncology</i> , 2006, 78, 179-185.	2.9	155
66	Towards a functional atlas of human white matter. <i>Human Brain Mapping</i> , 2015, 36, 3117-3136.	3.6	150
67	Acute functional reorganisation of the human motor cortex during resection of central lesions: a study using intraoperative brain mapping. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2001, 70, 506-513.	1.9	148
68	The challenge to remove diffuse low-grade gliomas while preserving brain functions. <i>Acta Neurochirurgica</i> , 2012, 154, 569-574.	1.7	145
69	Surgical management of World Health Organization Grade II gliomas in eloquent areas: the necessity of preserving a margin around functional structures. <i>Neurosurgical Focus</i> , 2010, 28, E8.	2.3	137
70	Cortex-sparing fiber dissection: an improved method for the study of white matter anatomy in the human brain. <i>Journal of Anatomy</i> , 2011, 219, 531-541.	1.5	134
71	The articulatory loop: study of the subcortical connectivity by electrostimulation. <i>NeuroReport</i> , 2003, 14, 2005-2008.	1.2	133
72	Toward a pluri-component, multimodal, and dynamic organization of the ventral semantic stream in humans: lessons from stimulation mapping in awake patients. <i>Frontiers in Systems Neuroscience</i> , 2013, 7, 44.	2.5	133

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73	Long term reshaping of language, sensory, and motor maps after glioma resection: a new parameter to integrate in the surgical strategy. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2002, 72, 511-6.	1.9	133
74	Velocity of tumor spontaneous expansion predicts long-term outcomes for diffuse low-grade gliomas. <i>Neuro-Oncology</i> , 2013, 15, 595-606.	1.2	131
75	Mapping critical cortical hubs and white matter pathways by direct electrical stimulation: an original functional atlas of the human brain. <i>NeuroImage</i> , 2020, 205, 116237.	4.2	130
76	Cognition and resective surgery for diffuse infiltrative glioma: an overview. <i>Journal of Neuro-Oncology</i> , 2012, 108, 309-318.	2.9	129
77	Functional outcome after language mapping for insular World Health Organization Grade II gliomas in the dominant hemisphere: experience with 24 patients. <i>Neurosurgical Focus</i> , 2009, 27, E7.	2.3	127
78	Re-operation is a safe and effective therapeutic strategy in recurrent WHO grade II gliomas within eloquent areas. <i>Acta Neurochirurgica</i> , 2009, 151, 427-436.	1.7	126
79	Does the left superior longitudinal fascicle subserve language semantics? A brain electrostimulation study. <i>Brain Structure and Function</i> , 2011, 216, 263-274.	2.3	126
80	Intraoperative subcortical electrical mapping of optic radiations in awake surgery for glioma involving visual pathways. <i>Journal of Neurosurgery</i> , 2012, 117, 466-473.	1.6	126
81	Revisiting the Functional Anatomy of the Human Brain: Toward a Meta-Networking Theory of Cerebral Functions. <i>Physiological Reviews</i> , 2020, 100, 1181-1228.	28.8	126
82	The insular lobe and brain plasticity: Lessons from tumor surgery. <i>Clinical Neurology and Neurosurgery</i> , 2006, 108, 543-548.	1.4	122
83	Surgery for gliomas involving the left inferior parietal lobule: new insights into the functional anatomy provided by stimulation mapping in awake patients. <i>Journal of Neurosurgery</i> , 2011, 115, 770-779.	1.6	121
84	Middle longitudinal fasciculus delineation within language pathways: A diffusion tensor imaging study in human. <i>European Journal of Radiology</i> , 2013, 82, 151-157.	2.6	117
85	Quantitative Morphological Magnetic Resonance Imaging Follow-up of Low-Grade Glioma. <i>Neurosurgery</i> , 2012, 71, 729-740.	1.1	116
86	Computational modeling of the WHO grade II glioma dynamics: principles and applications to management paradigm. <i>Neurosurgical Review</i> , 2008, 31, 263-269.	2.4	113
87	Speaking without Broca's area after tumor resection. <i>Neurocase</i> , 2009, 15, 294-310.	0.6	113
88	Direct evidence for the contributive role of the right inferior fronto-occipital fasciculus in non-verbal semantic cognition. <i>Brain Structure and Function</i> , 2017, 222, 1597-1610.	2.3	109
89	Low Rate of Intraoperative Seizures During Awake Craniotomy in a Prospective Cohort with 374 Supratentorial Brain Lesions: Electrocorticography Is Not Mandatory. <i>World Neurosurgery</i> , 2015, 84, 1838-1844.	1.3	107
90	Does post-lesional subcortical plasticity exist in the human brain?. <i>Neuroscience Research</i> , 2009, 65, 131-135.	1.9	106

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91	Recovery of functional connectivity of the sensorimotor network after surgery for diffuse low-grade gliomas involving the supplementary motor area. <i>Journal of Neurosurgery</i> , 2017, 126, 1181-1190.	1.6	106
92	Awake Surgery for Nonlanguage Mapping. <i>Neurosurgery</i> , 2010, 66, 523-529.	1.1	105
93	Intraoperative cortico-subcortical stimulations in surgery of low-grade gliomas. <i>Expert Review of Neurotherapeutics</i> , 2005, 5, 473-485.	2.8	104
94	Subcortical electrostimulation to identify network subserving motor control. <i>Human Brain Mapping</i> , 2013, 34, 3023-3030.	3.6	104
95	Anatomo-functional study of the temporo-parieto-occipital region: dissection, tractographic and brain mapping evidence from a neurosurgical perspective. <i>Journal of Anatomy</i> , 2014, 225, 132-151.	1.5	103
96	Intermittent General Anesthesia With Controlled Ventilation for Asleep-Awake-Asleep Brain Surgery. <i>Neurosurgery</i> , 2012, 71, 764-772.	1.1	101
97	White matter functional connectivity as an additional landmark for dominant temporal lobectomy. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2008, 79, 492-495.	1.9	100
98	Awake surgery for incidental WHO grade II gliomas involving eloquent areas. <i>Acta Neurochirurgica</i> , 2012, 154, 575-584.	1.7	100
99	Brain plasticity and tumors. <i>Advances and Technical Standards in Neurosurgery</i> , 2008, 33, 3-33.	0.5	99
100	Is the human left middle longitudinal fascicle essential for language? A brain electrostimulation study. <i>Human Brain Mapping</i> , 2011, 32, 962-973.	3.6	99
101	New insights into the neural network mediating reading processes provided by cortico-subcortical electrical mapping. <i>Human Brain Mapping</i> , 2015, 36, 2215-2230.	3.6	98
102	Cortico-subcortical organization of language networks in the right hemisphere: An electrostimulation study in left-handers. <i>Neuropsychologia</i> , 2008, 46, 3197-3209.	1.6	96
103	Role of the left frontal aslant tract in stuttering: a brain stimulation and tractographic study. <i>Journal of Neurology</i> , 2016, 263, 157-167.	3.6	96
104	Limited plastic potential of the left ventral premotor cortex in speech articulation: Evidence From intraoperative awake mapping in glioma patients. <i>Human Brain Mapping</i> , 2014, 35, 1587-1596.	3.6	94
105	Notch1 Stimulation Induces a Vascularization Switch With Pericyte-Like Cell Differentiation of Glioblastoma Stem Cells. <i>Stem Cells</i> , 2015, 33, 21-34.	3.2	94
106	Proposal of an optimized strategy for intraoperative testing of speech and language during awake mapping. <i>Neurosurgical Review</i> , 2017, 40, 29-35.	2.4	94
107	Combination of neoadjuvant chemotherapy followed by surgical resection as a new strategy for WHO grade II gliomas: a study of cognitive status and quality of life. <i>Journal of Neuro-Oncology</i> , 2012, 106, 353-366.	2.9	93
108	Functional reorganization of the attentional networks in low-grade glioma patients: A longitudinal study. <i>Cortex</i> , 2015, 63, 27-41.	2.4	93

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109	Preoperative estimation of residual volume for WHO grade II glioma resected with intraoperative functional mapping. <i>Neuro-Oncology</i> , 2007, 9, 63-69.	1.2	92
110	Evidence for an occipito-temporal tract underlying visual recognition in picture naming. <i>Clinical Neurology and Neurosurgery</i> , 2009, 111, 601-605.	1.4	92
111	The "frontal syndrome" revisited: Lessons from electrostimulation mapping studies. <i>Cortex</i> , 2012, 48, 120-131.	2.4	92
112	Intractable epilepsy in paralimbic World Health Organization Grade II gliomas: should the hippocampus be resected when not invaded by the tumor?. <i>Journal of Neurosurgery</i> , 2012, 116, 1226-1234.	1.6	90
113	Challenging the Myth of Right Nondominant Hemisphere: Lessons from Corticosubcortical Stimulation Mapping in Awake Surgery and Surgical Implications. <i>World Neurosurgery</i> , 2017, 103, 449-456.	1.3	90
114	Intra-operative mapping of the subcortical visual pathways using direct electrical stimulations. <i>Acta Neurochirurgica</i> , 2004, 146, 265-270.	1.7	86
115	Diffuse low-grade gliomas and neuroplasticity. <i>Diagnostic and Interventional Imaging</i> , 2014, 95, 945-955.	3.2	84
116	Epidemiology for primary brain tumors: a nationwide population-based study. <i>Journal of Neuro-Oncology</i> , 2017, 131, 525-546.	2.9	84
117	The Dangers of Magnetic Resonance Imaging Diffusion Tensor Tractography in Brain Surgery. <i>World Neurosurgery</i> , 2014, 81, 56-58.	1.3	83
118	Neural pathways subserving face-based mentalizing. <i>Brain Structure and Function</i> , 2017, 222, 3087-3105.	2.3	83
119	Is the right frontal cortex really crucial in the mentalizing network? A longitudinal study in patients with a slow-growing lesion. <i>Cortex</i> , 2013, 49, 2711-2727.	2.4	81
120	Patients with incidental WHO grade II glioma frequently suffer from neuropsychological disturbances. <i>Acta Neurochirurgica</i> , 2016, 158, 305-312.	1.7	81
121	Survey on current cognitive practices within the European Low-Grade Glioma Network: towards a European assessment protocol. <i>Acta Neurochirurgica</i> , 2017, 159, 1167-1178.	1.7	80
122	Lexical access speed is significantly correlated with the return to professional activities after awake surgery for low-grade gliomas. <i>Journal of Neuro-Oncology</i> , 2012, 107, 633-641.	2.9	77
123	Converging evidence for a cortico-subcortical network mediating lexical retrieval. <i>Brain</i> , 2016, 139, 3007-3021.	7.6	77
124	A two-level model of interindividual anatomic-functional variability of the brain and its implications for neurosurgery. <i>Cortex</i> , 2017, 86, 303-313.	2.4	76
125	A new philosophy in surgery for diffuse low-grade glioma (DLGG): Oncological and functional outcomes. <i>Neurochirurgie</i> , 2013, 59, 2-8.	1.2	73
126	Interfering with the neural activity of mirror-related frontal areas impairs mentalistic inferences. <i>Brain Structure and Function</i> , 2015, 220, 2159-2169.	2.3	73



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127	Complete recovery after surgical resection of left Wernicke's area in awake patient: a brain stimulation and functional MRI study. <i>Neurosurgical Review</i> , 2012, 35, 287-292.	2.4	72
128	Contralesional macrostructural plasticity of the insular cortex in patients with glioma. <i>Neurology</i> , 2018, 91, e1902-e1908.	1.1	70
129	Regions, systems, and the brain: Hierarchical measures of functional integration in fMRI. <i>Medical Image Analysis</i> , 2008, 12, 484-496.	11.6	69
130	Double Dissociation Between Visual Recognition and Picture Naming. <i>Neurosurgery</i> , 2013, 72, 678-686.	1.1	69
131	Disrupting posterior cingulate connectivity disconnects consciousness from the external environment. <i>Neuropsychologia</i> , 2014, 56, 239-244.	1.6	69
132	Structural and functional integration between dorsal and ventral language streams as revealed by blunt dissection and direct electrical stimulation. <i>Human Brain Mapping</i> , 2016, 37, 3858-3872.	3.6	69
133	Disruption of bimanual movement by unilateral subcortical electrostimulation. <i>Human Brain Mapping</i> , 2014, 35, 3439-3445.	3.6	67
134	A disconnection account of subjective empathy impairments in diffuse low-grade glioma patients. <i>Neuropsychologia</i> , 2015, 70, 165-176.	1.6	67
135	Iterative Surgical Resections of Diffuse Glioma With Awake Mapping: How to Deal With Cortical Plasticity and Connectomal Constraints?. <i>Neurosurgery</i> , 2019, 85, 105-116.	1.1	67
136	Radical surgery after chemotherapy: a new therapeutic strategy to envision in grade II glioma. <i>Journal of Neuro-Oncology</i> , 2006, 80, 171-176.	2.9	65
137	Resection Probability Maps for Quality Assessment of Glioma Surgery without Brain Location Bias. <i>PLoS ONE</i> , 2013, 8, e73353.	2.5	65
138	New Insights Into the Anatomic Dissection of the Temporal Stem With Special Emphasis on the Inferior Fronto-occipital Fasciculus. <i>Operative Neurosurgery</i> , 2010, 66, ons4-ons12.	0.8	64
139	A probabilistic map of negative motor areas of the upper limb and face: a brain stimulation study. <i>Brain</i> , 2019, 142, 952-965.	7.6	64
140	Brain mapping in tumors: Intraoperative or extraoperative?. <i>Epilepsia</i> , 2013, 54, 79-83.	5.1	62
141	The error of Broca: From the traditional localizationist concept to a connectomal anatomy of human brain. <i>Journal of Chemical Neuroanatomy</i> , 2018, 89, 73-81.	2.1	62
142	Double dissociation between picture naming and comprehension: an electrostimulation study. <i>NeuroReport</i> , 2004, 15, 191-195.	1.2	61
143	Comparison between resting state fMRI networks and responsive cortical stimulations in glioma patients. <i>Human Brain Mapping</i> , 2016, 37, 3721-3732.	3.6	61
144	Neuropsychological evidence for the crucial role of the right arcuate fasciculus in the face-based mentalizing network: A disconnection analysis. <i>Neuropsychologia</i> , 2018, 115, 179-187.	1.6	61

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145	Silent diffuse low-grade glioma: Toward screening and preventive treatment?. <i>Cancer</i> , 2014, 120, 1758-1762.	4.1	60
146	Involvement of the right inferior longitudinal fascicle in visual hemianopia: a brain stimulation mapping study. <i>Journal of Neurosurgery</i> , 2013, 118, 202-205.	1.6	59
147	Somatotopic organization of the white matter tracts underpinning motor control in humans: an electrical stimulation study. <i>Brain Structure and Function</i> , 2016, 221, 3743-3753.	2.3	59
148	Is non-awake surgery for supratentorial adult low-grade glioma treatment still feasible?. <i>Neurosurgical Review</i> , 2018, 41, 133-139.	2.4	59
149	Surgical removal of corpus callosum infiltrated by low-grade glioma: functional outcome and oncological considerations. <i>Journal of Neurosurgery</i> , 2004, 100, 431-437.	1.6	58
150	Neoadjuvant chemotherapy may optimize the extent of resection of World Health Organization grade II gliomas: a case series of 17 patients. <i>Journal of Neuro-Oncology</i> , 2013, 113, 267-275.	2.9	58
151	Cell death and neuronal differentiation of glioblastoma stem-like cells induced by neurogenic transcription factors. <i>Glia</i> , 2013, 61, 225-239.	4.9	57
152	An attempt to conceptualize the individual onco-functional balance: Why a standardized treatment is an illusion for diffuse low-grade glioma patients. <i>Critical Reviews in Oncology/Hematology</i> , 2018, 122, 83-91.	4.4	57
153	Brain tumors and epilepsy. <i>Expert Review of Neurotherapeutics</i> , 2008, 8, 941-955.	2.8	55
154	Diffusion Tensor Imaging Is a Research and Educational Tool, but Not Yet a Clinical Tool. <i>World Neurosurgery</i> , 2014, 82, e43-e45.	1.3	55
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