

# Hugues Duffau

## List of Publications by Year in descending order

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Version: 2024-02-01

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	The benefit of early surgery on overall survival in incidental low-grade glioma patients: A multicenter study. <i>Neuro-Oncology</i> , 2022, 24, 624-638.	1.2	21
2	Extending the multistage surgical strategy for recurrent initially low-grade gliomas: functional and oncological outcomes in 31 consecutive patients who underwent a third resection under awake mapping. <i>Journal of Neurosurgery</i> , 2022, 136, 1035-1044.	1.6	17
3	Introducing the concept of brain metaplasticity in glioma: how to reorient the pattern of neural reconfiguration to optimize the therapeutic strategy. <i>Journal of Neurosurgery</i> , 2022, 136, 613-617.	1.6	10
4	Jargonaphasia as a disconnection syndrome: A study combining white matter electrical stimulation and disconnectome mapping. <i>Brain Stimulation</i> , 2022, 15, 87-95.	1.6	4
5	Cognitive preservation following awake mapping-based neurosurgery for low-grade gliomas: A longitudinal, within-patient design study. <i>Neuro-Oncology</i> , 2022, 24, 781-793.	1.2	23
6	Contribution of the medial eye field network to the voluntary deployment of visuospatial attention. <i>Nature Communications</i> , 2022, 13, 328.	12.8	15
7	Controversy over the temporal cortical terminations of the left arcuate fasciculus: a reappraisal. <i>Brain</i> , 2022, 145, 1242-1256.	7.6	23
8	Connectomic evidences driving a functional approach in neuro-oncological surgery. <i>Journal of Neurosurgical Sciences</i> , 2022, 65, 545-547.	0.6	2
9	White Matter Tracts and Diffuse Lower-Grade Gliomas: The Pivotal Role of Myelin Plasticity in the Tumor Pathogenesis, Infiltration Patterns, Functional Consequences and Therapeutic Management. <i>Frontiers in Oncology</i> , 2022, 12, 855587.	2.8	17
10	Recurrent Low-Grade Gliomas: Does Reoperation Affect Neurocognitive Functioning?. <i>Neurosurgery</i> , 2022, 90, 221-232.	1.1	15
11	Awake Mapping With Transopercular Approach in Right Insular "Centered Low-Grade Gliomas Improves Neurological Outcomes and Return to Work. <i>Neurosurgery</i> , 2022, 91, 182-190.	1.1	14
12	The Concept of "Peritumoral Zone" in Diffuse Low-Grade Gliomas: Oncological and Functional Implications for a Connectome-Guided Therapeutic Attitude. <i>Brain Sciences</i> , 2022, 12, 504.	2.3	11
13	Factors Associated With Long-term Survival in Women Who Get Pregnant After Surgery for WHO Grade II Glioma. <i>Neurology</i> , 2022, 99, .	1.1	5
14	Sexual Dysfunction of Patients with Diffuse Low-Grade Glioma: A Qualitative Review of a Neglected Concern. <i>Cancers</i> , 2022, 14, 3025.	3.7	5
15	Extent of resection in diffuse low-grade gliomas and the role of tumor molecular signature "a systematic review of the literature. <i>Neurosurgical Review</i> , 2021, 44, 1371-1389.	2.4	24
16	Parametric recurrence quantification analysis of autoregressive processes for pattern recognition in multichannel electroencephalographic data. <i>Pattern Recognition</i> , 2021, 109, 107572.	8.1	5
17	Homotopic redistribution of functional connectivity in insula-centered diffuse low-grade glioma. <i>NeuroImage: Clinical</i> , 2021, 29, 102571.	2.7	20
18	New insights into the anatomo-functional architecture of the right sagittal stratum and its surrounding pathways: an axonal electrostimulation mapping study. <i>Brain Structure and Function</i> , 2021, 226, 425-441.	2.3	16

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19	Patterns of axono-cortical evoked potentials: an electrophysiological signature unique to each white matter functional site?. <i>Acta Neurochirurgica</i> , 2021, 163, 3121-3130.	1.7	6
20	Brain connectomics applied to oncological neuroscience: from a traditional surgical strategy focusing on glioma topography to a meta-network approach. <i>Acta Neurochirurgica</i> , 2021, 163, 905-917.	1.7	34
21	Personality and behavioral changes after brain tumor resection: a lesion mapping study. <i>Acta Neurochirurgica</i> , 2021, 163, 1257-1267.	1.7	15
22	Updated perspectives on awake neurosurgery with cognitive and emotional assessment for patients with low-grade gliomas. <i>Expert Review of Neurotherapeutics</i> , 2021, 21, 463-473.	2.8	7
23	Glioma stem cells invasive phenotype at optimal stiffness is driven by MGAT5 dependent mechanosensing. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021, 40, 139.	8.6	33
24	Functional maps of direct electrical stimulation-induced speech arrest and anomia: a multicentre retrospective study. <i>Brain</i> , 2021, 144, 2541-2553.	7.6	43
25	Identification of CRYAB+ KCNN3+ SOX9+ Astrocyte-Like and EGFR+ PDGFRA+ OLIG1+ Oligodendrocyte-Like Tumoral Cells in Diffuse IDH1-Mutant Gliomas and Implication of NOTCH1 Signalling in Their Genesis. <i>Cancers</i> , 2021, 13, 2107.	3.7	9
26	Disrupting self-evaluative processing with electrostimulation mapping during awake brain surgery. <i>Scientific Reports</i> , 2021, 11, 9386.	3.3	9
27	Combining Electrostimulation With Fiber Tracking to Stratify the Inferior Fronto-Occipital Fasciculus. <i>Frontiers in Neuroscience</i> , 2021, 15, 683348.	2.8	15
28	Broca's area: why was neurosurgery neglected for so long when seeking to re-establish the scientific truth?. <i>Brain</i> , 2021, 144, e60-e60.	7.6	9
29	What Does Quality of Care Mean in Lower-Grade Glioma Patients: A Precision Molecular-Based Management of the Tumor or an Individualized Medicine Centered on Patient's Choices?. <i>Frontiers in Oncology</i> , 2021, 11, 719014.	2.8	5
30	Neural Connectivity: How to Reinforce the Bidirectional Synapse Between Basic Neuroscience and Routine Neurosurgical Practice?. <i>Frontiers in Neurology</i> , 2021, 12, 705135.	2.4	2
31	Language recovery through a two-stage awake surgery in an aphasic patient with a voluminous left fronto-temporo-insular glioma: case report. <i>Acta Neurochirurgica</i> , 2021, 163, 3115-3119.	1.7	2
32	Dynamic Interplay between Lower-Grade Glioma Instability and Brain Metaplasticity: Proposal of an Original Model to Guide the Therapeutic Strategy. <i>Cancers</i> , 2021, 13, 4759.	3.7	18
33	The death of localizationism: The concepts of functional connectome and neuroplasticity deciphered by awake mapping, and their implications for best care of brain-damaged patients. <i>Revue Neurologique</i> , 2021, 177, 1093-1103.	1.5	12
34	Transopercular Insular Approach, Overcoming the Training Curve Using a Cadaveric Simulation Model: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2021, 21, E561-E562.	0.8	1
35	Neuropsychological assessments before and after awake surgery for incidental low-grade gliomas. <i>Journal of Neurosurgery</i> , 2021, 135, 871-880.	1.6	25
36	Composition and organization of the sagittal stratum in the human brain: a fiber dissection study. <i>Journal of Neurosurgery</i> , 2021, 135, 1214-1222.	1.6	13

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37	Beyond Task: When Experience Shapes Intuition. , 2021, , 411-421.		0
38	New Philosophy, Clinical Pearls, and Methods for Intraoperative Cognition Mapping and Monitoring à la carte in Brain Tumor Patients. Neurosurgery, 2021, 88, 919-930.	1.1	52
39	Electrophysiological Mapping During Brain Tumor Surgery: Recording Cortical Potentials Evoked Locally, Subcortically and Remotely by Electrical Stimulation to Assess the Brain Connectivity On-line. Brain Topography, 2021, 34, 221-233.	1.8	7
40	Planning Brain Tumor Resection Using a Probabilistic Atlas of Cortical and Subcortical Structures Critical for Functional Processing: A Proof of Concept. Operative Neurosurgery, 2021, 20, E175-E183.	0.8	11
41	SLUG and Truncated TAL1 Reduce Glioblastoma Stem Cell Growth Downstream of Notch1 and Define Distinct Vascular Subpopulations in Glioblastoma Multiforme. Cancers, 2021, 13, 5393.	3.7	10
42	Predictive Evolution Factors of Incidentally Discovered Suspected Low-Grade Gliomas: Results From a Consecutive Series of 101 Patients. Neurosurgery, 2021, 88, 797-803.	1.1	8
43	Awake Surgery for Left Posterior Insular Low-Grade Glioma Through the Parietorolandic Operculum: The Need to Preserve the Functional Connectivity. A Case Series. Frontiers in Surgery, 2021, 8, 824003.	1.4	11
44	White matter disconnectivity fingerprints causally linked to dissociated forms of alexia. Communications Biology, 2021, 4, 1413.	4.4	7
45	Post-operative morbidity ensuing surgery for insular gliomas: a systematic review and meta-analysis. Neurosurgical Review, 2020, 43, 987-997.	2.4	17
46	Language reorganization after resection of low-grade gliomas: an fMRI task based connectivity study. Brain Imaging and Behavior, 2020, 14, 1779-1791.	2.1	35
47	IDH wild-type WHO grade II diffuse low-grade gliomas. A heterogeneous family with different outcomes. Systematic review and meta-analysis. Neurosurgical Review, 2020, 43, 383-395.	2.4	30
48	Attenuation and Delay of Remote Potentials Evoked by Direct Electrical Stimulation During Brain Surgery. Brain Topography, 2020, 33, 143-148.	1.8	7
49	Mapping critical cortical hubs and white matter pathways by direct electrical stimulation: an original functional atlas of the human brain. NeuroImage, 2020, 205, 116237.	4.2	130
50	Letter: Introducing New Tasks for Intraoperative Mapping in Awake Glioma Surgery: Clearing the Line Between Patient Care and Scientific Research. Neurosurgery, 2020, 86, E256-E257.	1.1	23
51	A normalized dataset of 1821 cortical and subcortical functional responses collected during direct electrical stimulation in patients undergoing awake brain surgery. Data in Brief, 2020, 28, 104892.	1.0	17
52	Return to Work Following Surgery for Incidental Diffuse Low-Grade Glioma: A Prospective Series With 74 Patients. Neurosurgery, 2020, 87, 720-729.	1.1	53
53	Measuring the electrophysiological effects of direct electrical stimulation after awake brain surgery. Journal of Neural Engineering, 2020, 17, 016047.	3.5	12
54	Mapping the human middle longitudinal fasciculus through a focused anatomico-imaging study: shifting the paradigm of its segmentation and connectivity pattern. Brain Structure and Function, 2020, 225, 85-119.	2.3	31

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55	Personalized Multimodal Demarcation of Peritumoral Tissue in Glioma. JCO Precision Oncology, 2020, 4, 1128-1140.	3.0	6
56	Experiences of awake surgery in non-tumoural epilepsy in eloquent localizations. Clinical Neurology and Neurosurgery, 2020, 199, 106251.	1.4	10
57	Adult Diffuse Low-Grade Gliomas: 35-Year Experience at the Nancy France Neurooncology Unit. Frontiers in Oncology, 2020, 10, 574679.	2.8	41
58	Why brain radiation therapy should take account of the individual structural and functional connectivity: Toward an irradiation "à la carte". Critical Reviews in Oncology/Hematology, 2020, 154, 103073.	4.4	25
59	What Direct Electrostimulation of the Brain Taught Us About the Human Connectome: A Three-Level Model of Neural Disruption. Frontiers in Human Neuroscience, 2020, 14, 315.	2.0	20
60	Functional Mapping before and after Low-Grade Glioma Surgery: A New Way to Decipher Various Spatiotemporal Patterns of Individual Neuroplastic Potential in Brain Tumor Patients. Cancers, 2020, 12, 2611.	3.7	40
61	Network-behavior mapping of lasting executive impairments after low-grade glioma surgery. Brain Structure and Function, 2020, 225, 2415-2429.	2.3	33
62	Can Non-invasive Brain Stimulation Be Considered to Facilitate Reoperation for Low-Grade Glioma Relapse by Eliciting Neuroplasticity?. Frontiers in Neurology, 2020, 11, 582489.	2.4	15
63	Reply to: Letter to the Editor Regarding Anesthesia Management for Low-Grade Glioma Awake Surgery: A European Low-Grade Glioma Network Survey. Acta Neurochirurgica, 2020, 162, 1723-1724.	1.7	3
64	Introduction. Advances and future directions in brain mapping in neurosurgery. Neurosurgical Focus, 2020, 48, E1.	2.3	0
65	Postoperative follow-up for selected diffuse low-grade gliomas with WHO grade III/IV foci. Neurology, 2020, 94, e830-e841.	1.1	18
66	Revisiting the Functional Anatomy of the Human Brain: Toward a Meta-Networking Theory of Cerebral Functions. Physiological Reviews, 2020, 100, 1181-1228.	28.8	126
67	Transcorticosubcortical Approach for Left Posterior Mediobasal Temporal Region Gliomas: A Case Series and Anatomic Review of Relevant White Matter Tracts. World Neurosurgery, 2020, 139, e737-e747.	1.3	5
68	Transformation Foci in IDH1-mutated Gliomas Show STAT3 Phosphorylation and Downregulate the Metabolic Enzyme ETNPPL, a Negative Regulator of Glioma Growth. Scientific Reports, 2020, 10, 5504.	3.3	29
69	Effects of supra-total resection in neurocognitive and oncological outcome of high-grade gliomas comparing asleep and awake surgery. Journal of Neuro-Oncology, 2020, 148, 97-108.	2.9	43
70	New insights into the neural foundations mediating movement/language interactions gained from intrasurgical direct electrostimulations. Brain and Cognition, 2020, 142, 105583.	1.8	11
71	Limitations of functional neuroimaging for patient selection and surgical planning in glioma surgery. Neurosurgical Focus, 2020, 48, E12.	2.3	51
72	Presence of a translator in the operating theater for awake mapping in foreign patients with low-grade glioma: a surgical experience based on 18 different native languages. Journal of Neurosurgery, 2020, , 1-9.	1.6	7

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73	Early and Maximal Personalized Surgical Resection Improves Survival and Quality of Life in Low-grade Gliomas Patients. <i>Neurology India</i> , 2020, 68, 813.	0.4	1
74	Functional compensation of the left inferior longitudinal fasciculus for picture naming. <i>Cognitive Neuropsychology</i> , 2019, 36, 140-157.	1.1	41
75	Data-Driven Predictive Models of Diffuse Low-Grade Gliomas Under Chemotherapy. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019, 23, 38-46.	6.3	8
76	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
77	Microsurgical anatomy of the sagittal stratum. <i>Acta Neurochirurgica</i> , 2019, 161, 2319-2327.	1.7	40
78	The antero-dorsal precuneal cortex supports specific aspects of bodily awareness. <i>Brain</i> , 2019, 142, 2207-2214.	7.6	39
79	A novel 3D nanofibre scaffold conserves the plasticity of glioblastoma stem cell invasion by regulating galectin-3 and integrin- $\beta$ 1 expression. <i>Scientific Reports</i> , 2019, 9, 14612.	3.3	27
80	Resting state network plasticity related to picture naming in low-grade glioma patients before and after resection. <i>NeuroImage: Clinical</i> , 2019, 24, 102010.	2.7	25
81	Electrically induced verbal perseveration. <i>Neurology</i> , 2019, 92, e613-e621.	1.1	18
82	P04.14 Loss of oligodendroglial features at recurrence in five diffuse low-grade glioma patients treated with repeated surgery. <i>Neuro-Oncology</i> , 2019, 21, iii31-iii32.	1.2	1
83	P04.02 Postponing the medical treatment is possible in selected cases of diffuse low-grade glioma with foci of WHO grade III-IV after total or subtotal resection. <i>Neuro-Oncology</i> , 2019, 21, iii28-iii29.	1.2	0
84	Herpes Simplex Encephalitis Shortly After Surgery for a Secondary Glioblastoma: A Case Report and Review of the Literature. <i>World Neurosurgery</i> , 2019, 129, 13-17.	1.3	4
85	The landscape of postsurgical recurrence patterns in diffuse low-grade gliomas. <i>Critical Reviews in Oncology/Hematology</i> , 2019, 138, 148-155.	4.4	26
86	Surgery for Malignant Brain Gliomas: Fluorescence-Guided Resection or Functional-Based Resection?. <i>Frontiers in Surgery</i> , 2019, 6, 21.	1.4	14
87	Awake Craniotomies for Neoplasms Involving Language Networks. , 2019, , 329-345.		1
88	Surgical resection of cavernous angioma located within eloquent brain areas: International survey of the practical management among 19 specialized centers. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2019, 69, 31-40.	2.0	16
89	Predictors of Epileptic Seizures and Ability to Work in Supratentorial Cavernous Angioma Located Within Eloquent Brain Areas. <i>Neurosurgery</i> , 2019, 85, E702-E713.	1.1	8
90	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

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91	Surgical mapping. <i>Journal of the Neurological Sciences</i> , 2019, 405, 52.	0.6	1
92	Chemotherapy and diffuse low-grade gliomas: a survey within the European Low-Grade Glioma Network. <i>Neuro-Oncology Practice</i> , 2019, 6, 264-273.	1.6	14
93	Extent of Resection and Residual Tumor Thresholds for Postoperative Total Seizure Freedom in Epileptic Adult Patients Harboring a Supratentorial Diffuse Low-Grade Glioma. <i>Neurosurgery</i> , 2019, 85, E332-E340.	1.1	41
94	Low-Grade Glioma: Epidemiology, Pathophysiology, Clinical Features, and Treatment. <i>Neurosurgery Clinics of North America</i> , 2019, 30, xiii-xiv.	1.7	9
95	Combining resting state functional MRI with intraoperative cortical stimulation to map the mentalizing network. <i>NeuroImage</i> , 2019, 186, 628-636.	4.2	31
96	Preoperative Resectability Estimates of Nonenhancing Glioma by Neurosurgeons and a Resection Probability Map. <i>Neurosurgery</i> , 2019, 85, E304-E313.	1.1	14
97	Low-Grade Glioma. <i>Neurosurgery Clinics of North America</i> , 2019, 30, i.	1.7	0
98	Awake Craniotomy and Bedside Cognitive Mapping in Neurosurgery. , 2019, , 113-138.		15
99	Higher-Order Surgical Questions for Diffuse Low-Grade Gliomas. <i>Neurosurgery Clinics of North America</i> , 2019, 30, 119-128.	1.7	20
100	Association of patterns of care, prognostic factors, and use of radiotherapyâ€“temozolomide therapy with survival in patients with newly diagnosed glioblastoma: a French national population-based study. <i>Journal of Neuro-Oncology</i> , 2019, 142, 91-101.	2.9	52
101	Huge heterogeneity in survival in a subset of adult patients with resected, wild-type isocitrate dehydrogenase status, WHO grade II astrocytomas. <i>Journal of Neurosurgery</i> , 2019, 130, 1289-1298.	1.6	25
102	History of awake mapping and speech and language localization: from modules to networks. <i>Neurosurgical Focus</i> , 2019, 47, E4.	2.3	25
103	Transient immediate postoperative homotopic functional disconnectivity in low-grade glioma patients. <i>NeuroImage: Clinical</i> , 2018, 18, 656-662.	2.7	18
104	Damage to the left uncinate fasciculus is associated with heightened schizotypal traits: A multimodal lesion-mapping study. <i>Schizophrenia Research</i> , 2018, 197, 240-248.	2.0	19
105	Electrical stimulation of the dorsolateral prefrontal cortex impairs semantic cognition. <i>Neurology</i> , 2018, 90, e1077-e1084.	1.1	37
106	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
107	In Reply to â€œIn challenging the Myth of the Right Nondominant Hemisphere, Don't Go Too Far, Pleaseâ€. <i>World Neurosurgery</i> , 2018, 110, 510.	1.3	0
108	Awake Surgery for Gliomas within the Right Inferior Parietal Lobule: New Insights into the Functional Connectivity Gained from Stimulation Mapping and Surgical Implications. <i>World Neurosurgery</i> , 2018, 112, e393-e406.	1.3	40

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109	Surgery of Insular Gliomas. <i>Progress in Neurological Surgery</i> , 2018, 30, 173-185.	1.3	17
110	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
111	Improving surgical outcome for gliomas with intraoperative mapping. <i>Expert Review of Neurotherapeutics</i> , 2018, 18, 333-341.	2.8	26
112	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
113	Interactions between glioma and pregnancy: insight from a 52-case multicenter series. <i>Journal of Neurosurgery</i> , 2018, 128, 3-13.	1.6	34
114	Cellular and molecular characterization of IDH1-mutated diffuse low grade gliomas reveals tumor heterogeneity and absence of EGFR/PDGFR $\pm$ activation. <i>Glia</i> , 2018, 66, 239-255.	4.9	15
115	Awake mapping is not an additional surgical technique but an alternative philosophy in the management of low-grade glioma patients. <i>Neurosurgical Review</i> , 2018, 41, 689-691.	2.4	12
116	Is non-awake surgery for supratentorial adult low-grade glioma treatment still feasible?. <i>Neurosurgical Review</i> , 2018, 41, 133-139.	2.4	59
117	Preserved metacognitive ability despite unilateral or bilateral anterior prefrontal resection. <i>Brain and Cognition</i> , 2018, 120, 48-57.	1.8	25
118	Analysis of Legal, Cultural, and Socioeconomic Parameters in Low-Grade Glioma Management: Variability Across Countries and Implications for Awake Surgery. <i>World Neurosurgery</i> , 2018, 120, 47-53.	1.3	17
119	Awake resection of a left operculo-insular low-grade glioma guided by cortico-subcortical mapping. <i>Neurosurgical Focus</i> , 2018, 45, V1.	2.3	6
120	Contralesional macrostructural plasticity of the insular cortex in patients with glioma. <i>Neurology</i> , 2018, 91, e1902-e1908.	1.1	70
121	Functional Anatomy of the Inferior Longitudinal Fasciculus: From Historical Reports to Current Hypotheses. <i>Frontiers in Neuroanatomy</i> , 2018, 12, 77.	1.7	217
122	Diffuse low-grade glioma, oncological outcome and quality of life: a surgical perspective. <i>Current Opinion in Oncology</i> , 2018, 30, 383-389.	2.4	54
123	Paradoxes of evidence-based medicine in lower-grade glioma. <i>Neurology</i> , 2018, 91, 657-662.	1.1	32
124	Surgery of Insular Diffuse Low-Grade Gliomas. , 2018, , 255-262.		0
125	Imaging practice in low-grade gliomas among European specialized centers and proposal for a minimum core of imaging. <i>Journal of Neuro-Oncology</i> , 2018, 139, 699-711.	2.9	26
126	Alterations of EEG rhythms during motor preparation following awake brain surgery. <i>Brain and Cognition</i> , 2018, 125, 45-52.	1.8	1



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127	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
128	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
129	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
130	Mapping the Brain for Primary Brain Tumor Surgery. , 2017, , 63-79.		4
131	Intraoperative identification of the negative motor network during awake surgery to prevent deficit following brain resection in premotor regions. <i>Neurochirurgie</i> , 2017, 63, 235-242.	1.2	23
132	Supratotal resection of diffuse gliomas – An overview of its multifaceted implications. <i>Neurochirurgie</i> , 2017, 63, 243-249.	1.2	51
133	Surgical resection of incidental diffuse gliomas involving eloquent brain areas. Rationale, functional, epileptological and oncological outcomes. <i>Neurochirurgie</i> , 2017, 63, 250-258.	1.2	36
134	Neural pathways subserving face-based mentalizing. <i>Brain Structure and Function</i> , 2017, 222, 3087-3105.	2.3	83
135	IDH mutation and 1p19q codeletion distinguish two radiological patterns of diffuse low-grade gliomas. <i>Journal of Neuro-Oncology</i> , 2017, 133, 37-45.	2.9	47
136	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
137	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
138	The etiopathogenesis of diffuse low-grade gliomas. <i>Critical Reviews in Oncology/Hematology</i> , 2017, 109, 51-62.	4.4	17
139	Phostine PST3.1a Targets MGAT5 and Inhibits Glioblastoma-Initiating Cell Invasiveness and Proliferation. <i>Molecular Cancer Research</i> , 2017, 15, 1376-1387.	3.4	28
140	Identifying clinical risk in low grade gliomas and appropriate treatment strategies, with special emphasis on the role of surgery. <i>Expert Review of Anticancer Therapy</i> , 2017, 17, 703-716.	2.4	8
141	Electrophysiological brain mapping: Basics of recording evoked potentials induced by electrical stimulation and its physiological spreading in the human brain. <i>Clinical Neurophysiology</i> , 2017, 128, 1886-1890.	1.5	25
142	Resection of cavernous angioma located in eloquent areas using functional cortical and subcortical mapping under awake conditions. Outcomes in a 50-case multicentre series. <i>Neurochirurgie</i> , 2017, 63, 219-226.	1.2	9
143	Hodotopy, neuroplasticity and diffuse gliomas. <i>Neurochirurgie</i> , 2017, 63, 259-265.	1.2	30
144	Brain and skull base MRI findings in patients with Ollier-Maffucci disease: A series of 12 patient-cases. <i>Clinical Neurology and Neurosurgery</i> , 2017, 160, 147-151.	1.4	7

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145	Similarities and differences in neuroplasticity mechanisms between brain gliomas and nonlesional epilepsy. <i>Epilepsia</i> , 2017, 58, 2038-2047.	5.1	29
146	Left Spatial Neglect Evoked by Electrostimulation of the Right Inferior Fronto-occipital Fasciculus. <i>Brain Topography</i> , 2017, 30, 747-756.	1.8	31
147	Prosopagnosia Induced by a Left Anterior Temporal lobectomy Following a Right Temporo-occipital Resection in a Multicentric Diffuse Low-Grade Glioma. <i>World Neurosurgery</i> , 2017, 97, 756.e1-756.e5.	1.3	25
148	Epidemiology for primary brain tumors: a nationwide population-based study. <i>Journal of Neuro-Oncology</i> , 2017, 131, 525-546.	2.9	84
149	Cortico-striatal language pathways dynamically adjust for syntactic complexity: A computational study. <i>Brain and Language</i> , 2017, 164, 53-62.	1.6	15
150	Neuronavigated Fiber Dissection with Pial Preservation: Laboratory Model to Simulate Opercular Approaches to Insular Tumors. <i>World Neurosurgery</i> , 2017, 98, 239-242.	1.3	23
151	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
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