

Bertrand Mathon

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

74
papers

1,025
citations

16
h-index

30
g-index

88
ext. papers

1,568
ext. citations

5
avg, IF

4.35
L-index

#	Paper	IF	Citations
74	Mechanisms and therapeutic implications of hypermutation in gliomas. <i>Nature</i> , 2020 , 580, 517-523	50.4	172
73	Safety and Feasibility of Repeated and Transient Blood-Brain Barrier Disruption by Pulsed Ultrasound in Patients with Recurrent Glioblastoma. <i>Clinical Cancer Research</i> , 2019 , 25, 3793-3801	12.9	127
72	Retrospective Observational Study of Brain MRI Findings in Patients with Acute SARS-CoV-2 Infection and Neurologic Manifestations. <i>Radiology</i> , 2020 , 297, E313-E323	20.5	77
71	Predictive factors of long-term outcomes of surgery for mesial temporal lobe epilepsy associated with hippocampal sclerosis. <i>Epilepsia</i> , 2017 , 58, 1473-1485	6.4	66
70	Microglial phenotypes in the human epileptic temporal lobe. <i>Brain</i> , 2018 , 141, 3343-3360	11.2	46
69	Management and outcome of primary CNS lymphoma in the modern era: An LOC network study. <i>Neurology</i> , 2020 , 94, e1027-e1039	6.5	44
68	Surgical treatment for mesial temporal lobe epilepsy associated with hippocampal sclerosis. <i>Revue Neurologique</i> , 2015 , 171, 315-25	3	36
67	Cerebral Blood Flow Improvement after Indirect Revascularization for Pediatric Moyamoya Disease: A Statistical Analysis of Arterial Spin-Labeling MRI. <i>American Journal of Neuroradiology</i> , 2016 , 37, 706-12	4.4	35
66	Atypical Deep Cerebral Vein Thrombosis with Hemorrhagic Venous Infarction in a Patient Positive for COVID-19. <i>American Journal of Neuroradiology</i> , 2020 , 41, 1377-1379	4.4	32
65	Safety profile of intracranial electrode implantation for video-EEG recordings in drug-resistant focal epilepsy. <i>Journal of Neurology</i> , 2015 , 262, 2699-712	5.5	30
64	Complications after frame-based stereotactic brain biopsy: a systematic review. <i>Neurosurgical Review</i> , 2021 , 44, 301-307	3.9	27
63	Complications After Surgery for Mesial Temporal Lobe Epilepsy Associated with Hippocampal Sclerosis. <i>World Neurosurgery</i> , 2017 , 102, 639-650.e2	2.1	26
62	Long-term Outcome After Multiple Burr Hole Surgery in Children With Moyamoya Angiopathy: A Single-Center Experience in 108 Hemispheres. <i>Neurosurgery</i> , 2017 , 80, 950-956	3.2	24
61	Activity dependent feedback inhibition may maintain head direction signals in mouse presubiculum. <i>Nature Communications</i> , 2017 , 8, 16032	17.4	21
60	Clinical, molecular, and radiomic profile of gliomas with FGFR3-TACC3 fusions. <i>Neuro-Oncology</i> , 2020 , 22, 1614-1624	1	18
59	Imaging pathological activities of human brain tissue in organotypic culture. <i>Journal of Neuroscience Methods</i> , 2018 , 298, 33-44	3	17
58	Middle meningeal artery embolization reduces the post-operative recurrence rate of at-risk chronic subdural hematoma. <i>Journal of NeuroInterventional Surgery</i> , 2020 , 12, 1209-1213	7.8	16

57	Anterior Thalamic Excitation and Feedforward Inhibition of Presubicular Neurons Projecting to Medial Entorhinal Cortex. <i>Journal of Neuroscience</i> , 2018 , 38, 6411-6425	6.6	15
56	IDH-wildtype lower-grade diffuse gliomas: the importance of histological grade and molecular assessment for prognostic stratification. <i>Neuro-Oncology</i> , 2021 , 23, 955-966	1	15
55	Increasing the diagnostic yield of stereotactic brain biopsy using intraoperative histological smear. <i>Clinical Neurology and Neurosurgery</i> , 2019 , 186, 105544	2	14
54	Increasing the effectiveness of intracerebral injections in adult and neonatal mice: a neurosurgical point of view. <i>Neuroscience Bulletin</i> , 2015 , 31, 685-96	4.3	13
53	New clinicopathological associations and histoprognostic markers in ILAE types of hippocampal sclerosis. <i>Brain Pathology</i> , 2018 , 28, 644-655	6	13
52	Single-unit activities during the transition to seizures in deep mesial structures. <i>Annals of Neurology</i> , 2017 , 82, 1022-1028	9.4	12
51	Selective amygdalohippocampectomy via trans-superior temporal gyrus keyhole approach. <i>Acta Neurochirurgica</i> , 2016 , 158, 785-789	3	11
50	Neurological diseases of unknown etiology: Brain-biopsy diagnostic yields and safety. <i>European Journal of Internal Medicine</i> , 2020 , 80, 78-85	3.9	10
49	Intraoperative real-time guidance using ShearWave Elastography for epilepsy surgery. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2019 , 71, 24-27	3.2	7
48	Risk Factors for Early Brain AVM Rupture: Cohort Study of Pediatric and Adult Patients. <i>American Journal of Neuroradiology</i> , 2020 , 41, 2358-2363	4.4	6
47	Commentary: La Pitié-Salpêtrière Hospital in Paris: the Historic Cradle of Neurosurgery. <i>Neurosurgery</i> , 2018 , 82, 164-174	3.2	6
46	Predictive score for complete occlusion of intracranial aneurysms treated by flow-diverter stents using machine learning. <i>Journal of NeuroInterventional Surgery</i> , 2021 , 13, 341-346	7.8	6
45	S100B Serum Elevation Predicts In-Hospital Mortality After Brain Arteriovenous Malformation Rupture. <i>Stroke</i> , 2019 , 50, 1250-1253	6.7	5
44	Larger Middle Meningeal Arteries on Computed Tomography Angiography in Patients with Chronic Subdural Hematomas as Compared with Matched Controls. <i>Journal of Neurotrauma</i> , 2020 , 37, 2703-2708	5.4	5
43	Efficacy of a Second Brain Biopsy for Intracranial Lesions after Initial Negativity. <i>Journal of Clinical Neurology (Korea)</i> , 2020 , 16, 659-667	1.7	4
42	Identification of Umbre Orthobunyavirus as a Novel Zoonotic Virus Responsible for Lethal Encephalitis in 2 French Patients with Hypogammaglobulinemia. <i>Clinical Infectious Diseases</i> , 2021 , 72, 1701-1708	11.6	4
41	Clinical characteristics and long-term surgical outcome of spinal myxopapillary ependymoma: a French cohort of 101 patients. <i>Journal of Neuro-Oncology</i> , 2021 , 152, 491-499	4.8	4
40	Rare Intracranial Donut Aneurysm. <i>World Neurosurgery</i> , 2017 , 103, 950.e1-950.e3	2.1	3

39	Initial surgical resection and long time to occurrence from initial diagnosis are independent prognostic factors in resected recurrent IDH wild-type glioblastoma. <i>Clinical Neurology and Neurosurgery</i> , 2020 , 196, 106006	2	3
38	Extraforaminal Discal Cyst as Cause of Radiculopathy. <i>World Neurosurgery</i> , 2018 , 109, 160-161	2.1	3
37	Atypical Deep Cerebral Vein Thrombosis with Hemorrhagic Venous Infarction in a COVID-19-Positive Patient. <i>American Journal of Neuroradiology</i> , 2020 , 41,	4.4	3
36	Custom surgical management of invasive malignant tumors of the scalp. <i>Acta Neurochirurgica</i> , 2020 , 162, 2991-2999	3	3
35	Spine metastasis in patients with prostate cancer: Survival prognosis assessment. <i>Prostate</i> , 2021 , 81, 91-101	4.2	3
34	Severity, timeline, and management of complications after stereotactic brain biopsy. <i>Journal of Neurosurgery</i> , 2021 , 1-10	3.2	3
33	Long-term deep intracerebral microelectrode recordings in patients with drug-resistant epilepsy: proposed guidelines based on 10-year experience.. <i>NeuroImage</i> , 2022 , 119116	7.9	3
32	Evaluation of psychomotor functions in patients with drug-resistant epilepsy. <i>Epilepsy and Behavior</i> , 2020 , 106, 106985	3.2	2
31	Letter to the Editor Regarding "Immediate Development of Dural Arteriovenous Fistula After Middle Meningeal Artery Embolization: First Angiographic Demonstration". <i>World Neurosurgery</i> , 2019 , 131, 295-296	2.1	2
30	Temporal pole epilepsy surgery-Sparing the hippocampus. <i>Epilepsia</i> , 2020 , 61, e146-e152	6.4	2
29	Stereotactic biopsies of brainstem lesions: dilemma on the best trajectory. <i>Acta Neurochirurgica</i> , 2021 , 1	3	2
28	A Diagnosis Can Hide Another: The Value of Brain Biopsy in Neurological Lesion of HIV Patients. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2021 , 86, e6-e9	3.1	2
27	Dural arteriovenous fistula formation following bilateral middle meningeal artery embolization for the treatment of a chronic subdural hematoma: a case report. <i>Acta Neurochirurgica</i> , 2021 , 163, 1069-1073	3	2
26	Angiographic Anatomy of the Middle Meningeal Artery in Relation to Chronic Subdural Hematoma Embolization. <i>Clinical Neuroradiology</i> , 2021 , 1	2.7	2
25	CTA-Based Patient-Tailored Femoral or Radial Frontline Access Reduces the Rate of Catheterization Failure in Chronic Subdural Hematoma Embolization. <i>American Journal of Neuroradiology</i> , 2021 , 42, 495-500	4.4	2
24	In Reply to "Selective Amygdalohippocampectomy for Mesial Temporal Sclerosis: Special Considerations in Geniuses". <i>World Neurosurgery</i> , 2018 , 111, 431-432	2.1	1
23	Letter: Commentary: Peritumoral Edema/Tumor Volume Ratio: A Strong Survival Predictor for Posterior Fossa Metastases. <i>Neurosurgery</i> , 2019 , 84, E230-E231	3.2	1
22	Primary Extraosseous Spinal Ewing Sarcomas: Should We Be More Aware About Diagnosis?. <i>Spine</i> , 2021 , 46, 313-321	3.3	1

21	How activity dependent feedback inhibition may maintain head direction signals in mouse presubiculum		1
20	Anterior thalamic excitation and feed-forward inhibition of presubicular neurons projecting to medial entorhinal cortex		1
19	Secondary S100B Protein Increase Following Brain Arteriovenous Malformation Rupture is Associated with Cerebral Infarction. <i>Molecules</i> , 2020 , 25,	4.8	1
18	Intraoperative Ultrasound Shear-Wave Elastography in Focal Cortical Dysplasia Surgery. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	1
17	Outpatient vagus nerve stimulation surgery in patients with drug-resistant epilepsy with severe intellectual disability. <i>Epilepsy and Behavior</i> , 2021 , 118, 107931	3.2	1
16	Outpatient stereotactic brain biopsies. <i>Neurosurgical Review</i> , 2021 , 1	3.9	1
15	Are spine metastasis survival scoring systems outdated and do they underestimate life expectancy? Caution in surgical recommendation guidance. <i>Journal of Neurosurgery: Spine</i> , 2021 , 35, 527-534	2.8	1
14	Teaching brain imaging through a drawing method may improve learning in medical students. <i>European Radiology</i> , 2021 , 31, 4195-4202	8	1
13	Letter to the Editor. Brain biopsy in children and adults with neurological diseases of unknown etiology: two sides of the same coin?. <i>Journal of Neurosurgery: Pediatrics</i> , 2020 , 1-3	2.1	1
12	Letter to the Editor Regarding "Hemorrhagic Attitude in Frameless and Frame-Based Stereotactic Biopsy for Deep-Seated Primary Central Nervous System Lymphomas in Immunocompetent Patients: A Multicentric Analysis of the Last Twenty Years". <i>World Neurosurgery</i> , 2021 , 152, 242-243	2.1	1
11	Seizure freedom after intracranial electrode implantation in pharmacoresistant epilepsy. <i>European Journal of Neurology</i> , 2018 , 25, e7-e8	6	0
10	Benefits from Exclusion Treatment of Unruptured Brain Arteriovenous Malformations on Epilepsy in Adults. <i>Clinical Neuroradiology</i> , 2021 , 1	2.7	0
9	Spine Metastasis in Elderly: Encouraging Results for Better Survival. <i>Spine</i> , 2021 , 46, 751-759	3.3	0
8	Encephalitis of Unknown Etiology? Not Until the Results of a Brain Biopsy!. <i>Clinical Infectious Diseases</i> , 2021 , 72, e432	11.6	0
7	Cerebrospinal fluid interleukin-10 may be a useful biomarker for atypical primary central nervous system lymphoma relapse. <i>Revue Neurologique</i> , 2021 , 177, 436-439	3	0
6	Antimicrobial prophylaxis in noninstrumented spine surgery: a prospective study to determine efficacy and drawbacks. <i>Journal of Neurosurgery: Spine</i> , 2021 , 1-10	2.8	0
5	In Reply: Commentary: La Pitié-Salpêtrière Hospital in Paris: The Historic Cradle of Neurosurgery. <i>Neurosurgery</i> , 2019 , 84, E444-E445	3.2	
4	Letter to the Editor. The place of brain biopsy in patients with presumed CNS relapse of systemic lymphoma. <i>Journal of Neurosurgery</i> , 2021 , 1-2	3.2	

- 3 Language improvement characteristics post-cranioplasty : a single case study. *Annals of Physical and Rehabilitation Medicine*, **2021**, 65, 101590 3.8
- 2 Noncontrast Computed Tomography Markers in Brain Arteriovenous Malformation-Related Hematoma Are Not Predictive of Clinical Outcome. *Stroke*, **2021**, 52, e242-e243 6.7
- 1 Enhancing Safety in Epilepsy Surgery (EASINESS): Study Protocol for a Retrospective, Multicenter, Open Registry.. *Frontiers in Neurology*, **2021**, 12, 782666 4.1