

Bertrand Mathon

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

2,061
citations

361296
20
h-index

265120
42
g-index

88
all docs

88
docs citations

88
times ranked

3689
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms and therapeutic implications of hypermutation in gliomas. <i>Nature</i> , 2020, 580, 517-523.	13.7	374
2	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.	3.2	232
3	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.	3.6	131
4	Management and outcome of primary CNS lymphoma in the modern era. <i>Neurology</i> , 2020, 94, e1027-e1039.	1.5	125
5	Microglial phenotypes in the human epileptic temporal lobe. <i>Brain</i> , 2018, 141, 3343-3360.	3.7	89
6	Predictive factors of long-term outcomes of surgery for mesial temporal lobe epilepsy associated with hippocampal sclerosis. <i>Epilepsia</i> , 2017, 58, 1473-1485.	2.6	84
7	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.	0.6	73
8	Complications after frame-based stereotactic brain biopsy: a systematic review. <i>Neurosurgical Review</i> , 2021, 44, 301-307.	1.2	64
9	Surgical treatment for mesial temporal lobe epilepsy associated with hippocampal sclerosis. <i>Revue Neurologique</i> , 2015, 171, 315-325.	0.6	60
10	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.	1.2	49
11	Middle meningeal artery embolization reduces the post-operative recurrence rate of at-risk chronic subdural hematoma. <i>Journal of NeuroInterventional Surgery</i> , 2020, 12, neurintsurg-2020-016048.	2.0	44
12	Safety profile of intracranial electrode implantation for video-EEG recordings in drug-resistant focal epilepsy. <i>Journal of Neurology</i> , 2015, 262, 2699-2712.	1.8	41
13	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, 706-712.	1.2	41
14	Clinical, molecular, and radiomic profile of gliomas with FGFR3-TACC3 fusions. <i>Neuro-Oncology</i> , 2020, 22, 1614-1624.	0.6	41
15	Activity dependent feedback inhibition may maintain head direction signals in mouse presubiculum. <i>Nature Communications</i> , 2017, 8, 16032.	5.8	38
16	Complications After Surgery for Mesial Temporal Lobe Epilepsy Associated with Hippocampal Sclerosis. <i>World Neurosurgery</i> , 2017, 102, 639-650.e2.	0.7	37
17	Imaging pathological activities of human brain tissue in organotypic culture. <i>Journal of Neuroscience Methods</i> , 2018, 298, 33-44.	1.3	36
18	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.	0.6	32

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19	Increasing the effectiveness of intracerebral injections in adult and neonatal mice: a neurosurgical point of view. <i>Neuroscience Bulletin</i> , 2015, 31, 685-696.	1.5	26
20	New clinicopathological associations and histoprognostic markers in ILAE types of hippocampal sclerosis. <i>Brain Pathology</i> , 2018, 28, 644-655.	2.1	24
21	Increasing the diagnostic yield of stereotactic brain biopsy using intraoperative histological smear. <i>Clinical Neurology and Neurosurgery</i> , 2019, 186, 105544.	0.6	24
22	Anterior Thalamic Excitation and Feedforward Inhibition of Presubicular Neurons Projecting to Medial Entorhinal Cortex. <i>Journal of Neuroscience</i> , 2018, 38, 6411-6425.	1.7	22
23	Single-unit activities during the transition to seizures in deep mesial structures. <i>Annals of Neurology</i> , 2017, 82, 1022-1028.	2.8	20
24	Neurological diseases of unknown etiology: Brain-biopsy diagnostic yields and safety. <i>European Journal of Internal Medicine</i> , 2020, 80, 78-85.	1.0	18
25	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.	2.9	18
26	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.	0.9	17
27	Severity, timeline, and management of complications after stereotactic brain biopsy. <i>Journal of Neurosurgery</i> , 2022, 136, 867-876.	0.9	17
28	Risk Factors for Early Brain AVM Rupture: Cohort Study of Pediatric and Adult Patients. <i>American Journal of Neuroradiology</i> , 2020, 41, 2358-2363.	1.2	16
29	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.	2.0	16
30	Selective amygdalohippocampectomy via trans-superior temporal gyrus keyhole approach. <i>Acta Neurochirurgica</i> , 2016, 158, 785-789.	0.9	15
31	Angiographic Anatomy of the Middle Meningeal Artery in Relation to Chronic Subdural Hematoma Embolization. <i>Clinical Neuroradiology</i> , 2022, 32, 57-67.	1.0	12
32	Efficacy of a Second Brain Biopsy for Intracranial Lesions after Initial Negativity. <i>Journal of Clinical</i>		

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37	Long-term deep intracerebral microelectrode recordings in patients with drug-resistant epilepsy: Proposed guidelines based on 10-year experience. <i>NeuroImage</i> , 2022, 254, 119116.	2.1	9
38	Commentary: La Pitié-Salpêtrière Hospital in Paris: the Historic Cradle of Neurosurgery. <i>Neurosurgery</i> , 2018, 82, 164-174.	0.6	8
39	Evaluation of psychomotor functions in patients with drug-resistant epilepsy. <i>Epilepsy and Behavior</i> , 2020, 106, 106985.	0.9	8
40	Outpatient stereotactic brain biopsies. <i>Neurosurgical Review</i> , 2022, 45, 661-671.	1.2	8
41	Spine Metastasis in Elderly. <i>Spine</i> , 2021, 46, 751-759.	1.0	8
42	S100B Serum Elevation Predicts In-Hospital Mortality After Brain Arteriovenous Malformation Rupture. <i>Stroke</i> , 2019, 50, 1250-1253.	1.0	7
43	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.	0.6	7
44	Intraoperative Ultrasound Shear-Wave Elastography in Focal Cortical Dysplasia Surgery. <i>Journal of Clinical Medicine</i> , 2021, 10, 1049.	1.0	7
45	Therapeutic ultrasound: The future of epilepsy surgery?. <i>Revue Neurologique</i> , 2022, 178, 1055-1065.	0.6	7
46	Encephalitis of Unknown Etiology? Not Until the Results of a Brain Biopsy!. <i>Clinical Infectious Diseases</i> , 2021, 72, e432-e432.	2.9	6
47	Outpatient vagus nerve stimulation surgery in patients with drug-resistant epilepsy with severe intellectual disability. <i>Epilepsy and Behavior</i> , 2021, 118, 107931.	0.9	6
48	Extraforaminal Discal Cyst as Cause of Radiculopathy. <i>World Neurosurgery</i> , 2018, 109, 160-161.	0.7	5
49	Custom surgical management of invasive malignant tumors of the scalp. <i>Acta Neurochirurgica</i> , 2020, 162, 2991-2999.	0.9	5
50	Spine metastasis in patients with prostate cancer: Survival prognosis assessment. <i>Prostate</i> , 2021, 81, 91-101.	1.2	5
51	Teaching brain imaging through a drawing method may improve learning in medical students. <i>European Radiology</i> , 2021, 31, 4195-4202.	2.3	5
52	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.	0.9	5
53	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.	0.9	4
54	Atypical Deep Cerebral Vein Thrombosis with Hemorrhagic Venous Infarction in a COVID-19-Positive Patient. <i>American Journal of Neuroradiology</i> , 2020, 41, .	1.2	4

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55	Brain Biopsy for Neurological Diseases of Unknown Etiology in Critically Ill Patients: Feasibility, Safety, and Diagnostic Yield. <i>Critical Care Medicine</i> , 2022, 50, e516-e525.	0.4	4
56	Rare Intracranial Donut Aneurysm. <i>World Neurosurgery</i> , 2017, 103, 950.e1-950.e3.	0.7	3
57	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.	0.7	3
58	Secondary S100B Protein Increase Following Brain Arteriovenous Malformation Rupture is Associated with Cerebral Infarction. <i>Molecules</i> , 2020, 25, 5177.	1.7	3
59	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.	1.2	3
60	Stereotactic biopsies of brainstem lesions: dilemma on the best trajectory. <i>Acta Neurochirurgica</i> , 2021, , 1.	0.9	3
61	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.	0.7	3
62	Benefits from Exclusion Treatment of Unruptured Brain Arteriovenous Malformations on Epilepsy in Adults. <i>Clinical Neuroradiology</i> , 2022, 32, 749-760.	1.0	3
63	Chemotherapy is an efficient treatment in primary CNS MALT lymphoma. <i>Journal of Neuro-Oncology</i> , 2022, 159, 151-161.	1.4	3
64	In Reply to "Selective Amygdalohippocampectomy for Mesial Temporal Sclerosis: Special Considerations in Geniuses" <i>World Neurosurgery</i> , 2018, 111, 431-432.	0.7	2
65	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.	0.6	2
66	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> , 2021, 27, 120-122.	0.8	2
67	Antimicrobial prophylaxis in noninstrumented spine surgery: a prospective study to determine efficacy and drawbacks. <i>Journal of Neurosurgery: Spine</i> , 2021, 35, 366-375.	0.9	2
68	Primary Extraosseous Spinal Ewing Sarcomas. <i>Spine</i> , 2021, 46, 313-321.	1.0	2
69	Long-Term Middle Meningeal Artery Caliber Reduction Following Trisacryl Gelatine Microsphere Embolization for the Treatment of Chronic Subdural Hematoma. <i>Clinical Neuroradiology</i> , 0, , .	1.0	2
70	Seizure freedom after intracranial electrode implantation in pharmaco-resistant epilepsy. <i>European Journal of Neurology</i> , 2018, 25, e7-e8.	1.7	1
71	Letter: Commentary: Peritumoral Edema/Tumor Volume Ratio: A Strong Survival Predictor for Posterior Fossa Metastases. <i>Neurosurgery</i> , 2019, 84, E230-E231.	0.6	1
72	Letter to the Editor. The place of brain biopsy in patients with presumed CNS relapse of systemic lymphoma. <i>Journal of Neurosurgery</i> , 2022, 136, 933-934.	0.9	1

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73	Enhancing Safety in Epilepsy Surgery (EASINESS): Study Protocol for a Retrospective, Multicenter, Open Registry. <i>Frontiers in Neurology</i> , 2021, 12, 782666.	1.1	1
74	In Reply: Commentary: La Pitié-Salpêtrière Hospital in Paris: The Historic Cradle of Neurosurgery. <i>Neurosurgery</i> , 2019, 84, E444-E445.	0.6	0
75	E-065 Ruptured brain arterio-venous malformations in children and adults: angioarchitectural variations at presentation across the lifespan. , 2019, , .		0
76	O-028 Post-surgical prophylactic embolization of chronic sub-dural hematomas in patients with high recurrence risk: a monocentric study. , 2019, , .		0
77	Noncontrast Computed Tomography Markers in Brain Arteriovenous Malformation-Related Hematoma Are Not Predictive of Clinical Outcome. <i>Stroke</i> , 2021, 52, e242-e243.	1.0	0
78	EP25 A retrospective case series of tectal arteriovenous malformations: clinical characteristics, angioarchitecture description and therapeutic management. , 2021, , .		0
79	Language improvement characteristics post-cranioplasty : a single case study. <i>Annals of Physical and Rehabilitation Medicine</i> , 2022, 65, 101590.	1.1	0