

Pascale Varlet

List of Publications by Year in descending order

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Version: 2024-02-01

156
papers

10,706
citations

38742

50
h-index

36028

97
g-index

163
all docs

163
docs citations

163
times ranked

12059
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | DNA methylation-based classification of central nervous system tumours. <i>Nature</i> , 2018, 555, 469-474. | 27.8 | 1,872 |
| 2 | New Brain Tumor Entities Emerge from Molecular Classification of CNS-PNETs. <i>Cell</i> , 2016, 164, 1060-1072. | 28.9 | 702 |
| 3 | Histone H3F3A and HIST1H3B K27M mutations define two subgroups of diffuse intrinsic pontine gliomas with different prognosis and phenotypes. <i>Acta Neuropathologica</i> , 2015, 130, 815-827. | 7.7 | 482 |
| 4 | Spectrum and prevalence of genetic predisposition in medulloblastoma: a retrospective genetic study and prospective validation in a clinical trial cohort. <i>Lancet Oncology</i> , The, 2018, 19, 785-798. | 10.7 | 268 |
| 5 | Clinical, Radiologic, Pathologic, and Molecular Characteristics of Long-Term Survivors of Diffuse Intrinsic Pontine Glioma (DIPG): A Collaborative Report From the International and European Society for Pediatric Oncology DIPG Registries. <i>Journal of Clinical Oncology</i> , 2018, 36, 1963-1972. | 1.6 | 250 |
| 6 | Cortical GABAergic excitation contributes to epileptic activities around human glioma. <i>Science Translational Medicine</i> , 2014, 6, 244ra89. | 12.4 | 228 |
| 7 | MYB-QKI rearrangements in angiocentric glioma drive tumorigenicity through a tripartite mechanism. <i>Nature Genetics</i> , 2016, 48, 273-282. | 21.4 | 214 |
| 8 | Oligodendrogliomas. Part I: Patterns of growth, histological diagnosis, clinical and imaging correlations: a study of 153 cases. <i>Journal of Neuro-Oncology</i> , 1997, 34, 37-59. | 2.9 | 208 |
| 9 | Dysembryoplastic neuroepithelial tumors: nonspecific histological forms – a study of 40 cases. <i>Journal of Neuro-Oncology</i> , 1999, 41, 267-280. | 2.9 | 205 |
| 10 | Mesenchymal Transition and PDGFRA Amplification/Mutation Are Key Distinct Oncogenic Events in Pediatric Diffuse Intrinsic Pontine Gliomas. <i>PLoS ONE</i> , 2012, 7, e30313. | 2.5 | 200 |
| 11 | Oligodendrogliomas. Part II: A new grading system based on morphological and imaging criteria. <i>Journal of Neuro-Oncology</i> , 1997, 34, 61-78. | 2.9 | 186 |
| 12 | Beta-catenin status in paediatric medulloblastomas: correlation of immunohistochemical expression with mutational status, genetic profiles, and clinical characteristics. <i>Journal of Pathology</i> , 2009, 218, 86-94. | 4.5 | 171 |
| 13 | The Boston criteria version 2.0 for cerebral amyloid angiopathy: a multicentre, retrospective, MRI-neuropathology diagnostic accuracy study. <i>Lancet Neurology</i> , The, 2022, 21, 714-725. | 10.2 | 168 |
| 14 | White matter perivascular spaces. <i>Neurology</i> , 2014, 82, 57-62. | 1.1 | 151 |
| 15 | Biopsy in a series of 130 pediatric diffuse intrinsic Pontine gliomas. <i>Child's Nervous System</i> , 2015, 31, 1773-1780. | 1.1 | 145 |
| 16 | CNS-PNETs with C19MC amplification and/or LIN28 expression comprise a distinct histogenetic diagnostic and therapeutic entity. <i>Acta Neuropathologica</i> , 2014, 128, 291-303. | 7.7 | 141 |
| 17 | Imaging of non-tumorous and tumorous human brain tissues with full-field optical coherence tomography. <i>NeuroImage: Clinical</i> , 2013, 2, 549-557. | 2.7 | 140 |
| 18 | Molecular, Pathological, Radiological, and Immune Profiling of Non-brainstem Pediatric High-Grade Glioma from the HERBY Phase II Randomized Trial. <i>Cancer Cell</i> , 2018, 33, 829-842.e5. | 16.8 | 140 |

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|----|---|------|-----------|
| 19 | Innovative Therapies for Children with Cancer pediatric phase I study of erlotinib in brainstem glioma and relapsing/refractory brain tumors. <i>Neuro-Oncology</i> , 2011, 13, 109-118. | 1.2 | 137 |
| 20 | NG2 ⁺ /Olig2 ⁺ Cells are the Major Cycle-Related Cell Population of the Adult Human Normal Brain. <i>Brain Pathology</i> , 2010, 20, 399-411. | 4.1 | 127 |
| 21 | Vemurafenib in pediatric patients with BRAFV600E mutated high-grade gliomas. <i>Pediatric Blood and Cancer</i> , 2014, 61, 1101-1103. | 1.5 | 125 |
| 22 | Copy Number Gain of 1q25 Predicts Poor Progression-Free Survival for Pediatric Intracranial Ependymomas and Enables Patient Risk Stratification: A Prospective European Clinical Trial Cohort Analysis on Behalf of the Children's Cancer Leukaemia Group (CCLG), Soci t  Fran aise d'Oncologie P diatrique (SFOP), and International Society for Pediatric Oncology (SIOP). <i>Clinical Cancer Research</i> , 2012, 18, 2001-2011. | 7.0 | 111 |
| 23 | High Frequency of Germline SUFU Mutations in Children With Desmoplastic/Nodular Medulloblastoma Younger Than 3 Years of Age. <i>Journal of Clinical Oncology</i> , 2012, 30, 2087-2093. | 1.6 | 106 |
| 24 | Aberrant ERBB4-SRC Signaling as a Hallmark of Group 4 Medulloblastoma Revealed by Integrative Phosphoproteomic Profiling. <i>Cancer Cell</i> , 2018, 34, 379-395.e7. | 16.8 | 104 |
| 25 | Histone H3 wild-type DIPG/DMG overexpressing EZHIP extend the spectrum diffuse midline gliomas with PRC2 inhibition beyond H3-K27M mutation. <i>Acta Neuropathologica</i> , 2020, 139, 1109-1113. | 7.7 | 104 |
| 26 | Molecular Screening for Cancer Treatment Optimization (MOSCATO-01) in Pediatric Patients: A Single-Institutional Prospective Molecular Stratification Trial. <i>Clinical Cancer Research</i> , 2017, 23, 6101-6112. | 7.0 | 102 |
| 27 | Clinicopathologic prognostic factors in childhood atypical teratoid and rhabdoid tumor of the central nervous system. <i>Cancer</i> , 2012, 118, 3812-3821. | 4.1 | 101 |
| 28 | Radiotherapy with concurrent and adjuvant temozolomide in children with newly diagnosed diffuse intrinsic pontine glioma. <i>Journal of Neuro-Oncology</i> , 2012, 106, 399-407. | 2.9 | 100 |
| 29 | Three-tesla functional MR language mapping. <i>Neurology</i> , 2015, 84, 560-568. | 1.1 | 97 |
| 30 | Phase II, Open-Label, Randomized, Multicenter Trial (HERBY) of Bevacizumab in Pediatric Patients With Newly Diagnosed High-Grade Glioma. <i>Journal of Clinical Oncology</i> , 2018, 36, 951-958. | 1.6 | 95 |
| 31 | The occurrence of intracranial rhabdoid tumours in mice depends on temporal control of Smarcb1 inactivation. <i>Nature Communications</i> , 2016, 7, 10421. | 12.8 | 92 |
| 32 | Candidate Genes on Chromosome 9q33-34 Involved in the Progression of Childhood Ependymomas. <i>Journal of Clinical Oncology</i> , 2009, 27, 1884-1892. | 1.6 | 89 |
| 33 | New Variants of Malignant Glioneuronal Tumors: A Clinicopathological Study of 40 Cases. <i>Neurosurgery</i> , 2004, 55, 1377-1392. | 1.1 | 87 |
| 34 | CD133, CD15/SSEA-1, CD34 or side populations do not resume tumor-initiating properties of long-term cultured cancer stem cells from human malignant glioma-neuronal tumors. <i>BMC Cancer</i> , 2010, 10, 66. | 2.6 | 87 |
| 35 | Transcriptomic and epigenetic profiling of diffuse midline gliomas, H3 K27M-mutant™ discriminate two subgroups based on the type of histone H3 mutated and not supratentorial or infratentorial location. <i>Acta Neuropathologica Communications</i> , 2018, 6, 117. | 5.2 | 83 |
| 36 | Isomorphic diffuse glioma is a morphologically and molecularly distinct tumour entity with recurrent gene fusions of MYBL1 or MYB and a benign disease course. <i>Acta Neuropathologica</i> , 2020, 139, 193-209. | 7.7 | 83 |

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|----|---|------|-----------|
| 37 | Arterial Spin Labeling to Predict Brain Tumor Grading in Children: Correlations between Histopathologic Vascular Density and Perfusion MR Imaging. <i>Radiology</i> , 2016, 281, 553-566. | 7.3 | 82 |
| 38 | Co-occurrence of histone H3 K27M and BRAF V600E mutations in paediatric midline grade I ganglioglioma. <i>Brain Pathology</i> , 2018, 28, 103-111. | 4.1 | 80 |
| 39 | Solitary Fibrous Tumors and Hemangiopericytomas of the Meninges: Overlapping Pathological Features and Common Prognostic Factors Suggest the Same Spectrum of Tumors. <i>Brain Pathology</i> , 2012, 22, 511-521. | 4.1 | 78 |
| 40 | Differential Proteomic Analysis of Human Glioblastoma and Neural Stem Cells Reveals HDGF as a Novel Angiogenic Secreted Factor. <i>Stem Cells</i> , 2012, 30, 845-853. | 3.2 | 71 |
| 41 | Dysembryoplastic Neuroepithelial Tumors Located in the Caudate Nucleus Area: Report of Four Cases. <i>Neurosurgery</i> , 1997, 40, 1065-1070. | 1.1 | 68 |
| 42 | Methylation profiling of choroid plexus tumors reveals 3 clinically distinct subgroups. <i>Neuro-Oncology</i> , 2016, 18, 790-796. | 1.2 | 67 |
| 43 | TP53 Pathway Alterations Drive Radioresistance in Diffuse Intrinsic Pontine Gliomas (DIPG). <i>Clinical Cancer Research</i> , 2019, 25, 6788-6800. | 7.0 | 66 |
| 44 | Gene expression profiling provides insights into the pathways involved in solid pseudopapillary neoplasm of the pancreas. <i>Journal of Pathology</i> , 2009, 218, 201-209. | 4.5 | 61 |
| 45 | Outcome and prognostic factors in cerebellar glioblastoma multiforme in adults: A retrospective study from the Rare Cancer Network. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006, 66, 179-186. | 0.8 | 59 |
| 46 | Dynamic imaging response following radiation therapy predicts long-term outcomes for diffuse low-grade gliomas. <i>Neuro-Oncology</i> , 2012, 14, 496-505. | 1.2 | 58 |
| 47 | Tolerance to Dose Escalation in Minibeam Radiation Therapy Applied to Normal Rat Brain: Long-Term Clinical, Radiological and Histopathological Analysis. <i>Radiation Research</i> , 2015, 184, 314-321. | 1.5 | 57 |
| 48 | Clinical Relevance of Tumor Cells with Stem-Like Properties in Pediatric Brain Tumors. <i>PLoS ONE</i> , 2011, 6, e16375. | 2.5 | 57 |
| 49 | Diagnostics of pediatric supratentorial RELA ependymomas: integration of information from histopathology, genetics, DNA methylation and imaging. <i>Brain Pathology</i> , 2019, 29, 325-335. | 4.1 | 55 |
| 50 | Neuronal differentiation distinguishes supratentorial and infratentorial childhood ependymomas. <i>Neuro-Oncology</i> , 2010, 12, 1126-1134. | 1.2 | 54 |
| 51 | Clinical, Imaging, Histopathological and Molecular Characterization of Anaplastic Ganglioglioma. <i>Journal of Neuropathology and Experimental Neurology</i> , 2016, 75, 971-980. | 1.7 | 54 |
| 52 | A driver role for GABA metabolism in controlling stem and proliferative cell state through GHB production in glioma. <i>Acta Neuropathologica</i> , 2017, 133, 645-660. | 7.7 | 53 |
| 53 | Germline <i>SUFU</i> mutation carriers and medulloblastoma: clinical characteristics, cancer risk, and prognosis. <i>Neuro-Oncology</i> , 2018, 20, 1122-1132. | 1.2 | 52 |
| 54 | NRL and CRX Define Photoreceptor Identity and Reveal Subgroup-Specific Dependencies in Medulloblastoma. <i>Cancer Cell</i> , 2018, 33, 435-449.e6. | 16.8 | 52 |

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|----|---|-----|-----------|
| 55 | Incomplete penetrance of the predisposition to medulloblastoma associated with germ-line SUFU mutations. <i>Journal of Medical Genetics</i> , 2010, 47, 142-144. | 3.2 | 51 |
| 56 | Germline <i>GPR161</i> Mutations Predispose to Pediatric Medulloblastoma. <i>Journal of Clinical Oncology</i> , 2020, 38, 43-50. | 1.6 | 50 |
| 57 | High-grade gliomas in adolescents and young adults highlight histomolecular differences from their adult and pediatric counterparts. <i>Neuro-Oncology</i> , 2020, 22, 1190-1202. | 1.2 | 50 |
| 58 | Pineocytoma and Pineal Parenchymal Tumors of Intermediate Differentiation Presenting Cytologic Pleomorphism: A Multicenter Study. <i>Brain Pathology</i> , 2008, 18, 354-359. | 4.1 | 47 |
| 59 | Arterial Spin Labeling MRI: A step forward in non-invasive delineation of focal cortical dysplasia in children. <i>Epilepsy Research</i> , 2014, 108, 1932-1939. | 1.6 | 46 |
| 60 | Tandem high-dose chemotherapy and autologous stem cell rescue in children with newly diagnosed high-risk medulloblastoma or supratentorial primitive neuroectodermic tumors. <i>Pediatric Blood and Cancer</i> , 2014, 61, 1398-1402. | 1.5 | 46 |
| 61 | Papillary glioneuronal tumors: histological and molecular characteristics and diagnostic value of SLC44A1-PRKCA fusion. <i>Acta Neuropathologica Communications</i> , 2015, 3, 85. | 5.2 | 46 |
| 62 | Loss of SMARCE1 expression is a specific diagnostic marker of clear cell meningioma: a comprehensive immunophenotypical and molecular analysis. <i>Brain Pathology</i> , 2018, 28, 466-474. | 4.1 | 46 |
| 63 | Evidence for <i>BRAF</i> V600E and <i>H3F3A</i> K27M double mutations in paediatric glial and glioneuronal tumours. <i>Neuropathology and Applied Neurobiology</i> , 2015, 41, 403-408. | 3.2 | 45 |
| 64 | Imaging growth and isocitrate dehydrogenase 1 mutation are independent predictors for diffuse low-grade gliomas. <i>Neuro-Oncology</i> , 2014, 16, 1100-1109. | 1.2 | 44 |
| 65 | MRI Atlas of IDH Wild-Type Supratentorial Glioblastoma: Probabilistic Maps of Phenotype, Management, and Outcomes. <i>Radiology</i> , 2019, 293, 633-643. | 7.3 | 43 |
| 66 | Papillary glioneuronal tumor (PGNT) exhibits a characteristic methylation profile and fusions involving PRKCA. <i>Acta Neuropathologica</i> , 2019, 137, 837-846. | 7.7 | 43 |
| 67 | Development of the SIOPE DIPG network, registry and imaging repository: a collaborative effort to optimize research into a rare and lethal disease. <i>Journal of Neuro-Oncology</i> , 2017, 132, 255-266. | 2.9 | 42 |
| 68 | New <i>in vivo</i> avatars of diffuse intrinsic pontine gliomas (DIPG) from stereotactic biopsies performed at diagnosis. <i>Oncotarget</i> , 2017, 8, 52543-52559. | 1.8 | 41 |
| 69 | The anti-hypertensive drug prazosin inhibits glioblastoma growth via the PKC-dependent inhibition of the AKT pathway. <i>EMBO Molecular Medicine</i> , 2016, 8, 511-526. | 6.9 | 40 |
| 70 | Astrocytes Reverted to a Neural Progenitor-like State with Transforming Growth Factor Alpha Are Sensitized to Cancerous Transformation. <i>Stem Cells</i> , 2009, 27, 2373-2382. | 3.2 | 39 |
| 71 | Multimodal optical analysis discriminates freshly extracted human sample of gliomas, metastases and meningiomas from their appropriate controls. <i>Scientific Reports</i> , 2017, 7, 41724. | 3.3 | 38 |
| 72 | A case report of pseudoprogression followed by complete remission after proton-beam irradiation for a low-grade glioma in a teenager: the value of dynamic contrast-enhanced MRI. <i>Radiation Oncology</i> , 2010, 5, 9. | 2.7 | 35 |

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|----|--|-----|-----------|
| 73 | Portrait of Ependymoma Recurrence in Children: Biomarkers of Tumor Progression Identified by Dual-Color Microarray-Based Gene Expression Analysis. <i>PLoS ONE</i> , 2010, 5, e12932. | 2.5 | 35 |
| 74 | So-called malignant and extra-ventricular neurocytomas: reality or wrong diagnosis? A critical review about two overdiagnosed cases. <i>Journal of Neuro-Oncology</i> , 2000, 48, 161-172. | 2.9 | 33 |
| 75 | Functional-Based Resection Does Not Worsen Quality of Life in Patients with a Diffuse Low-Grade Glioma Involving Eloquent Brain Regions: A Prospective Cohort Study. <i>World Neurosurgery</i> , 2018, 113, e200-e212. | 1.3 | 32 |
| 76 | Clear cell meningiomas are defined by a highly distinct DNA methylation profile and mutations in SMARCE1. <i>Acta Neuropathologica</i> , 2021, 141, 281-290. | 7.7 | 31 |
| 77 | Quantitative characterization of the imaging limits of diffuse low-grade oligodendrogliomas. <i>Neuro-Oncology</i> , 2013, 15, 1379-1388. | 1.2 | 29 |
| 78 | Natural course and prognosis of anaplastic gangliogliomas: a multicenter retrospective study of 43 cases from the French Brain Tumor Database. <i>Neuro-Oncology</i> , 2016, 19, now186. | 1.2 | 26 |
| 79 | Historadiological correlations in high-grade glioma with the histone 3.3 G34R mutation. <i>Journal of Neuroradiology</i> , 2018, 45, 316-322. | 1.1 | 26 |
| 80 | WHO grade has no prognostic value in the pediatric high-grade glioma included in the HERBY trial. <i>Neuro-Oncology</i> , 2020, 22, 116-127. | 1.2 | 26 |
| 81 | Modulated release of IdUrd from poly (d,l-lactide-co-glycolide) microspheres by addition of poly (d,l-lactide) oligomers. <i>Journal of Controlled Release</i> , 1999, 58, 311-322. | 9.9 | 25 |
| 82 | Primary Intracranial Melanocytic Tumor Simulating Pituitary Macroadenoma: Case Report and Review of the Literature. <i>Neurosurgery</i> , 2005, 57, E369-E369. | 1.1 | 25 |
| 83 | GFAP γ immunostaining improves visualization of normal and pathologic astrocytic heterogeneity. <i>Neuropathology</i> , 2009, 29, 31-39. | 1.2 | 25 |
| 84 | Histopathologic and Ultrastructural Features and Claudin Expression in Papillary Tumors of the Pineal Region. <i>American Journal of Surgical Pathology</i> , 2012, 36, 916-928. | 3.7 | 24 |
| 85 | Pediatric methylation class HGNET-MN1: unresolved issues with terminology and grading. <i>Acta Neuropathologica Communications</i> , 2019, 7, 176. | 5.2 | 24 |
| 86 | Constitutional mismatch repair deficiency-associated brain tumors: report from the European C4CMMRD consortium. <i>Neuro-Oncology Advances</i> , 2019, 1, vdz033. | 0.7 | 23 |
| 87 | Combining intraoperative carmustine wafers and Stupp regimen in multimodal first-line treatment of primary glioblastomas. <i>British Journal of Neurosurgery</i> , 2015, 29, 524-531. | 0.8 | 22 |
| 88 | Multimodal optical analysis of meningioma and comparison with histopathology. <i>Journal of Biophotonics</i> , 2017, 10, 253-263. | 2.3 | 22 |
| 89 | Medulloblastomas associated with an APC germline pathogenic variant share the good prognosis of CTNNB1-mutated medulloblastomas. <i>Neuro-Oncology</i> , 2020, 22, 128-138. | 1.2 | 22 |
| 90 | Cerebral blood flow changes after radiation therapy identifies pseudoprogression in diffuse intrinsic pontine gliomas. <i>Neuro-Oncology</i> , 2018, 20, 994-1002. | 1.2 | 21 |

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|-----|--|-----|-----------|
| 91 | Supratentorial non-RELA, ZFTA-fused ependymomas: a comprehensive phenotype genotype correlation highlighting the number of zinc fingers in ZFTA-NCOA1/2 fusions. <i>Acta Neuropathologica Communications</i> , 2021, 9, 135. | 5.2 | 21 |
| 92 | Optical Signatures Derived From Deep UV to NIR Excitation Discriminates Healthy Samples From Low and High Grades Glioma. <i>Scientific Reports</i> , 2019, 9, 8786. | 3.3 | 20 |
| 93 | H3F3A-G34R mutant high grade neuroepithelial neoplasms with glial and dysplastic ganglion cell components. <i>Acta Neuropathologica Communications</i> , 2019, 7, 78. | 5.2 | 20 |
| 94 | Effect of Levetiracetam Use Duration on Overall Survival of Isocitrate Dehydrogenase Wild-Type Glioblastoma in Adults. <i>Neurology</i> , 2022, 98, . | 1.1 | 20 |
| 95 | Pediatric infratentorial ganglioglioma. <i>Child's Nervous System</i> , 2015, 31, 1707-1716. | 1.1 | 19 |
| 96 | The histomolecular criteria established for adult anaplastic pilocytic astrocytoma are not applicable to the pediatric population. <i>Acta Neuropathologica</i> , 2020, 139, 287-303. | 7.7 | 19 |
| 97 | High-dose busulfan-thiotepa with autologous stem cell transplantation followed by posterior fossa irradiation in young children with classical or incompletely resected medulloblastoma. <i>Pediatric Blood and Cancer</i> , 2014, 61, 907-912. | 1.5 | 18 |
| 98 | Multimodal Magnetic Resonance Imaging of Treatment-Induced Changes to Diffuse Infiltrating Pontine Gliomas in Children and Correlation to Patient Progression-Free Survival. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 99, 476-485. | 0.8 | 18 |
| 99 | Characterization of the Blood-Brain Barrier Integrity and the Brain Transport of SN-38 in an Orthotopic Xenograft Rat Model of Diffuse Intrinsic Pontine Glioma. <i>Pharmaceutics</i> , 2020, 12, 399. | 4.5 | 18 |
| 100 | The EP300:BCOR fusion extends the genetic alteration spectrum defining the new tumoral entity of CNS tumors with BCOR internal tandem duplication. <i>Acta Neuropathologica Communications</i> , 2020, 8, 178. | 5.2 | 17 |
| 101 | Multimodal imaging to explore endogenous fluorescence of fresh and fixed human healthy and tumor brain tissues. <i>Journal of Biophotonics</i> , 2019, 12, e201800178. | 2.3 | 16 |
| 102 | Imaging of gliomas at 1.5 and 3 Tesla - A comparative study. <i>Neuro-Oncology</i> , 2015, 17, 895-900. | 1.2 | 15 |
| 103 | Integrating Tenascin-C protein expression and 1q25 copy number status in pediatric intracranial ependymoma prognostication: A new model for risk stratification. <i>PLoS ONE</i> , 2017, 12, e0178351. | 2.5 | 15 |
| 104 | Developmental venous anomaly in adult patients with diffuse glioma. <i>Neurology</i> , 2019, 92, e55-e62. | 1.1 | 15 |
| 105 | Role of neoadjuvant chemotherapy in metastatic medulloblastoma: a comparative study in 92 children. <i>Neuro-Oncology</i> , 2020, 22, 1686-1695. | 1.2 | 14 |
| 106 | Robot-Assisted Stereotactic Biopsies in 377 Consecutive Adult Patients with Supratentorial Diffuse Gliomas: Diagnostic Yield, Safety, and Postoperative Outcomes. <i>World Neurosurgery</i> , 2021, 148, e301-e313. | 1.3 | 14 |
| 107 | Intracerebral small round cell tumor: An unusual case with EWS-WT1 translocation. <i>Pediatric Blood and Cancer</i> , 2008, 51, 545-548. | 1.5 | 13 |
| 108 | High Prevalence of Developmental Venous Anomaly in Diffuse Intrinsic Pontine Gliomas: A Pediatric Control Study. <i>Neurosurgery</i> , 2020, 86, 517-523. | 1.1 | 13 |

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|-----|--|-----|-----------|
| 109 | Feasibility, Safety and Impact on Overall Survival of Awake Resection for Newly Diagnosed Supratentorial IDH-Wildtype Glioblastomas in Adults. <i>Cancers</i> , 2021, 13, 2911. | 3.7 | 13 |
| 110 | Embryonic signature distinguishes pediatric and adult rhabdoid tumors from other SMARCB1-deficient cancers. <i>Oncotarget</i> , 2017, 8, 34245-34257. | 1.8 | 13 |
| 111 | Proteomic analysis of oligodendrogliomas expressing a mutant isocitrate dehydrogenase. <i>Proteomics</i> , 2011, 11, 4139-4154. | 2.2 | 12 |
| 112 | MRI and Molecular Characterization of Pediatric High-Grade Midline Thalamic Gliomas: The HERBY Phase II Trial. <i>Radiology</i> , 2022, 304, 174-182. | 7.3 | 12 |
| 113 | Neuropathological and Neuroradiological Spectrum of Pediatric Malignant Gliomas: Correlation With Outcome. <i>Neurosurgery</i> , 2011, 69, 215-224. | 1.1 | 11 |
| 114 | Multimodal Analysis of Central Nervous System Tumor Tissue Endogenous Fluorescence With Multiscale Excitation. <i>Frontiers in Physics</i> , 2018, 6, . | 2.1 | 11 |
| 115 | Molecular changes tracking through multiscale fluorescence microscopy differentiate Meningioma grades and non-tumoral brain tissues. <i>Scientific Reports</i> , 2021, 11, 3816. | 3.3 | 11 |
| 116 | The Implementation of DNA Methylation Profiling into a Multistep Diagnostic Process in Pediatric Neuropathology: A 2-Year Real-World Experience by the French Neuropathology Network. <i>Cancers</i> , 2021, 13, 1377. | 3.7 | 11 |
| 117 | Radiogenomics of diffuse intrinsic pontine gliomas (DIPGs): correlation of histological and biological characteristics with multimodal MRI features. <i>European Radiology</i> , 2021, 31, 8913-8924. | 4.5 | 11 |
| 118 | Modeling the dynamics of oligodendrocyte precursor cells and the genesis of gliomas. <i>PLoS Computational Biology</i> , 2018, 14, e1005977. | 3.2 | 11 |
| 119 | An Unusual Case of Constitutional Mismatch Repair Deficiency Syndrome With Anaplastic Ganglioglioma, Colonic Adenocarcinoma, Osteosarcoma, Acute Myeloid Leukemia, and Signs of Neurofibromatosis Type 1. <i>Neurosurgery</i> , 2015, 77, E145-E152. | 1.1 | 10 |
| 120 | Primary Leptomeningeal Gliomatosis in Children and Adults. <i>Neurosurgery</i> , 2016, 78, 343-352. | 1.1 | 10 |
| 121 | Radiological Evaluation of Newly Diagnosed Non-Brainstem Pediatric High-Grade Glioma in the HERBY Phase II Trial. <i>Clinical Cancer Research</i> , 2020, 26, 1856-1865. | 7.0 | 10 |
| 122 | Prognostic Clinical and Biologic Features for Overall Survival after Relapse in Childhood Medulloblastoma. <i>Cancers</i> , 2021, 13, 53. | 3.7 | 10 |
| 123 | Neuronal immunoexpression and a distinct subtype of adult primary supratentorial glioblastoma with a better prognosis. <i>Journal of Neurosurgery</i> , 2012, 117, 476-485. | 1.6 | 9 |
| 124 | CT and Multimodal MR Imaging Features of Embryonal Tumors with Multilayered Rosettes in Children. <i>American Journal of Neuroradiology</i> , 2019, 40, 732-736. | 2.4 | 9 |
| 125 | Prognostic Relevance of Histomolecular Classification of Diffuse Adult High-Grade Gliomas with Necrosis. <i>Brain Pathology</i> , 2015, 25, 418-428. | 4.1 | 8 |
| 126 | Specific and Sensitive Diagnosis of BCOR-ITD in Various Cancers by Digital PCR. <i>Frontiers in Oncology</i> , 2021, 11, 645512. | 2.8 | 8 |

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|-----|---|-----|-----------|
| 127 | Meningioangiomas. <i>Neurology</i> , 2021, 96, 274-286. | 1.1 | 8 |
| 128 | Imaging growth as a predictor of grade of malignancy and aggressiveness of IDH-mutant and 1p/19q-codeleted oligodendrogliomas in adults. <i>Neuro-Oncology</i> , 2020, 22, 993-1005. | 1.2 | 7 |
| 129 | Diagnostic Accuracy of a Reduced Immunohistochemical Panel in Medulloblastoma Molecular Subtyping, Correlated to DNA-methylation Analysis. <i>American Journal of Surgical Pathology</i> , 2021, 45, 558-566. | 3.7 | 7 |
| 130 | Highly vascular solitary plasmacytoma of the calvarium. <i>British Journal of Haematology</i> , 2006, 133, 2-2. | 2.5 | 6 |
| 131 | Epileptic seizures in anaplastic gangliogliomas. <i>British Journal of Neurosurgery</i> , 2017, 31, 227-233. | 0.8 | 6 |
| 132 | Prognostic relevance of adding MRI data to WHO 2016 and cIMPACT-NOW updates for diffuse astrocytic tumors in adults. Working toward the extended use of MRI data in integrated glioma diagnosis. <i>Brain Pathology</i> , 2021, 31, e12929. | 4.1 | 6 |
| 133 | Surgery of Insular Diffuse Gliomasâ€”Part 2: Probabilistic Cortico-Subcortical Atlas of Critical Eloquent Brain Structures and Probabilistic Resection Map During Transcortical Awake Resection. <i>Neurosurgery</i> , 2021, 89, 579-590. | 1.1 | 6 |
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