# David T W Jones

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3370723/publications.pdf

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| | | 2671 | 1713 |
|---|---|---|---|
| 267 | 50,632 | 95 | 213 |
| papers | citations | h-index | g-index |

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|---|---|---|---|
| 285 | 285 | 285 | 44955 |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Signatures of mutational processes in human cancer. Nature, 2013, 500, 415-421. | 13.7 | 8,060 |
| 2 | Driver mutations in histone H3.3 and chromatin remodelling genes in paediatric glioblastoma. Nature, 2012, 482, 226-231. | 13.7 | 2,129 |
| 3 | DNA methylation-based classification of central nervous system tumours. Nature, 2018, 555, 469-474. | 13.7 | 1,872 |
| 4 | Hotspot Mutations in H3F3A and IDH1 Define Distinct Epigenetic and Biological Subgroups of Glioblastoma. Cancer Cell, 2012, 22, 425-437. | 7.7 | 1,551 |
| 5 | The landscape of genomic alterations across childhood cancers. Nature, 2018, 555, 321-327. | 13.7 | 1,068 |
| 6 | Molecular Classification of Ependymal Tumors across All CNS Compartments, Histopathological Grades, and Age Groups. Cancer Cell, 2015, 27, 728-743. | 7.7 | 933 |
| 7 | Molecular subgroups of medulloblastoma: an international meta-analysis of transcriptome, genetic aberrations, and clinical data of WNT, SHH, Group 3, and Group 4 medulloblastomas. Acta Neuropathologica, 2012, 123, 473-484. | 3.9 | 863 |
| 8 | The whole-genome landscape of medulloblastoma subtypes. Nature, 2017, 547, 311-317. | 13.7 | 787 |
| 9 | Tandem Duplication Producing a Novel Oncogenic BRAF Fusion Gene Defines the Majority of Pilocytic Astrocytomas. Cancer Research, 2008, 68, 8673-8677. | 0.4 | 786 |
| 10 | Dissecting the genomic complexity underlying medulloblastoma. Nature, 2012, 488, 100-105. | 13.7 | 765 |
| 11 | Subgroup-specific structural variation across 1,000 medulloblastoma genomes. Nature, 2012, 488, 49-56. | 13.7 | 761 |
| 12 | Genome Sequencing of Pediatric Medulloblastoma Links Catastrophic DNA Rearrangements with TP53 Mutations. Cell, 2012, 148, 59-71. | 13.5 | 743 |
| 13 | Integrated Molecular Meta-Analysis of 1,000 Pediatric High-Grade and Diffuse Intrinsic Pontine Glioma. Cancer Cell, 2017, 32, 520-537.e5. | 7.7 | 716 |
| 14 | New Brain Tumor Entities Emerge from Molecular Classification of CNS-PNETs. Cell, 2016, 164, 1060-1072. | 13.5 | 702 |
| 15 | Medulloblastoma exome sequencing uncovers subtype-specific somatic mutations. Nature, 2012, 488, 106-110. | 13.7 | 675 |
| 16 | Recurrent somatic alterations of FGFR1 and NTRK2 in pilocytic astrocytoma. Nature Genetics, 2013, 45, 927-932. | 9.4 | 674 |
| 17 | Reduced H3K27me3 and DNA Hypomethylation Are Major Drivers of Gene Expression in K27M Mutant Pediatric High-Grade Gliomas. Cancer Cell, 2013, 24, 660-672. | 7.7 | 633 |
| 18 | Genome Sequencing of SHH Medulloblastoma Predicts Genotype-Related Response to Smoothened Inhibition. Cancer Cell, 2014, 25, 393-405. | 7.7 | 627 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | DNA methylation-based classification and grading system for meningioma: a multicentre, retrospective analysis. Lancet Oncology, The, 2017, 18, 682-694. | 5.1 | 586 |
| 20 | Medulloblastomics: the end of the beginning. Nature Reviews Cancer, 2012, 12, 818-834. | 12.8 | 560 |
| 21 | Challenges to curing primary brain tumours. Nature Reviews Clinical Oncology, 2019, 16, 509-520. | 12.5 | 540 |
| 22 | Epigenomic alterations define lethal CIMP-positive ependymomas of infancy. Nature, 2014, 506, 445-450. | 13.7 | 521 |
| 23 | Enhancer hijacking activates GFI1 family oncogenes in medulloblastoma. Nature, 2014, 511, 428-434. | 13.7 | 520 |
| 24 | IDH1 mutations are present in the majority of common adult gliomas but rare in primary glioblastomas. Neuro-Oncology, 2009, 11, 341-347. | 0.6 | 504 |
| 25 | Delineation of Two Clinically and Molecularly Distinct Subgroups of Posterior Fossa Ependymoma. Cancer Cell, 2011, 20, 143-157. | 7.7 | 494 |
| 26 | Paediatric and adult glioblastoma: multiform (epi)genomic culprits emerge. Nature Reviews Cancer, 2014, 14, 92-107. | 12.8 | 469 |
| 27 | Atypical Teratoid/Rhabdoid Tumors Are Comprised of Three Epigenetic Subgroups with Distinct Enhancer Landscapes. Cancer Cell, 2016, 29, 379-393. | 7.7 | 438 |
| 28 | Comprehensive analysis of chromothripsis in 2,658 human cancers using whole-genome sequencing. Nature Genetics, 2020, 52, 331-341. | 9.4 | 431 |
| 29 | Subgroup-Specific Prognostic Implications of TP53 Mutation in Medulloblastoma. Journal of Clinical Oncology, 2013, 31, 2927-2935. | 0.8 | 381 |
| 30 | Recurrent somatic mutations in ACVR1 in pediatric midline high-grade astrocytoma. Nature Genetics, 2014, 46, 462-466. | 9.4 | 381 |
| 31 | Decoding the regulatory landscape of medulloblastoma using DNA methylation sequencing. Nature, 2014, 510, 537-541. | 13.7 | 378 |
| 32 | ATRX and IDH1-R132H immunohistochemistry with subsequent copy number analysis and IDH sequencing as a basis for an â€œintegratedâ€•diagnostic approach for adult astrocytoma, oligodendroglioma and glioblastoma. Acta Neuropathologica, 2015, 129, 133-146. | 3.9 | 378 |
| 33 | Frequent ATRX mutations and loss of expression in adult diffuse astrocytic tumors carrying IDH1/IDH2 and TP53 mutations. Acta Neuropathologica, 2012, 124, 615-625. | 3.9 | 376 |
| 34 | Pilocytic astrocytoma: pathology, molecular mechanisms and markers. Acta Neuropathologica, 2015, 129, 775-788. | 3.9 | 328 |
| 35 | Meningeal hemangiopericytoma and solitary fibrous tumors carry the NAB2-STAT6 fusion and can be diagnosed by nuclear expression of STAT6 protein. Acta Neuropathologica, 2013, 125, 651-658. | 3.9 | 324 |
| 36 | Active medulloblastoma enhancers reveal subgroup-specific cellular origins. Nature, 2016, 530, 57-62. | 13.7 | 318 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Selumetinib in paediatric patients with BRAF-aberrant or neurofibromatosis type 1-associated recurrent, refractory, or progressive low-grade glioma: a multicentre, phase 2 trial. Lancet Oncology, The, 2019, 20, 1011-1022. | 5.1 | 315 |
| 38 | Practical implementation of DNA methylation and copy-number-based CNS tumor diagnostics: the Heidelberg experience. Acta Neuropathologica, 2018, 136, 181-210. | 3.9 | 308 |
| 39 | Recurrence patterns across medulloblastoma subgroups: an integrated clinical and molecular analysis. Lancet Oncology, The, 2013, 14, 1200-1207. | 5.1 | 307 |
| 40 | Novel, improved grading system(s) for IDH-mutant astrocytic gliomas. Acta Neuropathologica, 2018, 136, 153-166. | 3.9 | 298 |
| 41 | Integrated analysis of pediatric glioblastoma reveals a subset of biologically favorable tumors with associated molecular prognostic markers. Acta Neuropathologica, 2015, 129, 669-678. | 3.9 | 277 |
| 42 | Prognostic value of medulloblastoma extent of resection after accounting for molecular subgroup: a retrospective integrated clinical and molecular analysis. Lancet Oncology, The, 2016, 17, 484-495. | 5.1 | 274 |
| 43 | Farewell to oligoastrocytoma: in situ molecular genetics favor classification as either oligodendroglioma or astrocytoma. Acta Neuropathologica, 2014, 128, 551-559. | 3.9 | 268 |
| 44 | Spectrum and prevalence of genetic predisposition in medulloblastoma: a retrospective genetic study and prospective validation in a clinical trial cohort. Lancet Oncology, The, 2018, 19, 785-798. | 5.1 | 268 |
| 45 | A comprehensive assessment of somatic mutation detection in cancer using whole-genome sequencing. Nature Communications, 2015, 6, 10001. | 5.8 | 266 |
| 46 | Divergent clonal selection dominates medulloblastoma at recurrence. Nature, 2016, 529, 351-357. | 13.7 | 266 |
| 47 | Cytogenetic Prognostication Within Medulloblastoma Subgroups. Journal of Clinical Oncology, 2014, 32, 886-896. | 0.8 | 263 |
| 48 | Next-generation personalised medicine for high-risk paediatric cancer patients â€“ The INFORM pilot study. European Journal of Cancer, 2016, 65, 91-101. | 1.3 | 262 |
| 49 | Distribution of TERT promoter mutations in pediatric and adult tumors of the nervous system. Acta Neuropathologica, 2013, 126, 907-915. | 3.9 | 254 |
| 50 | Mutations in SETD2 and genes affecting histone H3K36 methylation target hemispheric high-grade gliomas. Acta Neuropathologica, 2013, 125, 659-669. | 3.9 | 250 |
| 51 | 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. Journal of Clinical Oncology, 2018, 36, 1963-1972. | 0.8 | 250 |
| 52 | Robust molecular subgrouping and copy-number profiling of medulloblastoma from small amounts of archival tumour material using high-density DNA methylation arrays. Acta Neuropathologica, 2013, 125, 913-916. | 3.9 | 244 |
| 53 | Somatic CRISPR/Cas9-mediated tumour suppressor disruption enables versatile brain tumour modelling. Nature Communications, 2015, 6, 7391. | 5.8 | 244 |
| 54 | Adult IDH wild type astrocytomas biologically and clinically resolve into other tumor entities. Acta Neuropathologica, 2015, 130, 407-417. | 3.9 | 237 |

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|---|---|---|---|
| 55 | Sarcoma classification by DNA methylation profiling. Nature Communications, 2021, 12, 498. | 5.8 | 237 |
| 56 | Pediatric Gliomas: Current Concepts on Diagnosis, Biology, and Clinical Management. Journal of Clinical Oncology, 2017, 35, 2370-2377. | 0.8 | 223 |
| 57 | Pediatric high-grade glioma: biologically and clinically in need of new thinking. Neuro-Oncology, 2017, 19, now101. | 0.6 | 217 |
| 58 | Methylation of the TERT promoter and risk stratification of childhood brain tumours: an integrative genomic and molecular study. Lancet Oncology, The, 2013, 14, 534-542. | 5.1 | 212 |
| 59 | Oncogenic FAM131Bâ€“BRAF fusion resulting from 7q34 deletion comprises an alternative mechanism of MAPK pathway activation in pilocytic astrocytoma. Acta Neuropathologica, 2011, 121, 763-774. | 3.9 | 211 |
| 60 | Secretory meningiomas are defined by combined KLF4 K409Q and TRAF7 mutations. Acta Neuropathologica, 2013, 125, 351-358. | 3.9 | 208 |
| 61 | Next-generation sequencing in routine brain tumor diagnostics enables an integrated diagnosis and identifies actionable targets. Acta Neuropathologica, 2016, 131, 903-910. | 3.9 | 203 |
| 62 | Molecular heterogeneity and CXorf67 alterations in posterior fossa group A (PFA) ependymomas. Acta Neuropathologica, 2018, 136, 211-226. | 3.9 | 199 |
| 63 | Embryonal tumor with abundant neuropil and true rosettes (ETANTR), ependymoblastoma, and medulloepithelioma share molecular similarity and comprise a single clinicopathological entity. Acta Neuropathologica, 2014, 128, 279-289. | 3.9 | 191 |
| 64 | Anaplastic astrocytoma with piloid features, a novel molecular class of IDH wildtype glioma with recurrent MAPK pathway, CDKN2A/B and ATRX alterations. Acta Neuropathologica, 2018, 136, 273-291. | 3.9 | 190 |
| 65 | Recurrent MET fusion genes represent a drug target in pediatric glioblastoma. Nature Medicine, 2016, 22, 1314-1320. | 15.2 | 183 |
| 66 | MAPK pathway activation in pilocytic astrocytoma. Cellular and Molecular Life Sciences, 2012, 69, 1799-1811. | 2.4 | 177 |
| 67 | Integrated DNA methylation and copy-number profiling identify three clinically and biologically relevant groups of anaplastic glioma. Acta Neuropathologica, 2014, 128, 561-571. | 3.9 | 176 |
| 68 | Phase II study of sorafenib in children with recurrent or progressive low-grade astrocytomas. Neuro-Oncology, 2014, 16, 1408-1416. | 0.6 | 175 |
| 69 | Polymorphous low-grade neuroepithelial tumor of the young (PLNTY): an epileptogenic neoplasm with oligodendroglioma-like components, aberrant CD34 expression, and genetic alterations involving the MAP kinase pathway. Acta Neuropathologica, 2017, 133, 417-429. | 3.9 | 172 |
| 70 | Therapeutic targeting of ependymoma as informed by oncogenic enhancer profiling. Nature, 2018, 553, 101-105. | 13.7 | 170 |
| 71 | Radiomic subtyping improves disease stratification beyond key molecular, clinical, and standard imaging characteristics in patients with glioblastoma. Neuro-Oncology, 2018, 20, 848-857. | 0.6 | 170 |
| 72 | cIMPACT-NOW update 4: diffuse gliomas characterized by MYB, MYBL1, or FGFR1 alterations or BRAFV600E mutation. Acta Neuropathologica, 2019, 137, 683-687. | 3.9 | 170 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Aberrant patterns of H3K4 and H3K27 histone lysine methylation occur across subgroups in medulloblastoma. Acta Neuropathologica, 2013, 125, 373-384. | 3.9 | 169 |
| 74 | Histologically distinct neuroepithelial tumors with histone 3 G34 mutation are molecularly similar and comprise a single nosologic entity. Acta Neuropathologica, 2016, 131, 137-146. | 3.9 | 162 |
| 75 | Therapeutic Impact of Cytoreductive Surgery and Irradiation of Posterior Fossa Ependymoma in the Molecular Era: A Retrospective Multicohort Analysis. Journal of Clinical Oncology, 2016, 34, 2468-2477. | 0.8 | 160 |
| 76 | Infant High-Grade Gliomas Comprise Multiple Subgroups Characterized by Novel Targetable Gene Fusions and Favorable Outcomes. Cancer Discovery, 2020, 10, 942-963. | 7.7 | 157 |
| 77 | Global epigenetic profiling identifies methylation subgroups associated with recurrence-free survival in meningioma. Acta Neuropathologica, 2017, 133, 431-444. | 3.9 | 155 |
| 78 | Methylation-based classification of benign and malignant peripheral nerve sheath tumors. Acta Neuropathologica, 2016, 131, 877-887. | 3.9 | 151 |
| 79 | Risk-adapted therapy for young children with medulloblastoma (SJYC07): therapeutic and molecular outcomes from a multicentre, phase 2 trial. Lancet Oncology, The, 2018, 19, 768-784. | 5.1 | 151 |
| 80 | TERT promoter mutations are highly recurrent in SHH subgroup medulloblastoma. Acta Neuropathologica, 2013, 126, 917-929. | 3.9 | 146 |
| 81 | H3-/IDH-wild type pediatric glioblastoma is comprised of molecularly and prognostically distinct subtypes with associated oncogenic drivers. Acta Neuropathologica, 2017, 134, 507-516. | 3.9 | 144 |
| 82 | Molecular, Pathological, Radiological, and Immune Profiling of Non-brainstem Pediatric High-Grade Glioma from the HERBY Phase II Randomized Trial. Cancer Cell, 2018, 33, 829-842.e5. | 7.7 | 140 |
| 83 | Adamantinomatous and papillary craniopharyngiomas are characterized by distinct epigenomic as well as mutational and transcriptomic profiles. Acta Neuropathologica Communications, 2016, 4, 20. | 2.4 | 136 |
| 84 | Genetic Aberrations Leading to MAPK Pathway Activation Mediate Oncogene-Induced Senescence in Sporadic Pilocytic Astrocytomas. Clinical Cancer Research, 2011, 17, 4650-4660. | 3.2 | 135 |
| 85 | Poorly differentiated chordoma with SMARCB1/INI1 loss: a distinct molecular entity with dismal prognosis. Acta Neuropathologica, 2016, 132, 149-151. | 3.9 | 127 |
| 86 | Prognostic significance of clinical, histopathological, and molecular characteristics of medulloblastomas in the prospective HIT2000 multicenter clinical trial cohort. Acta Neuropathologica, 2014, 128, 137-149. | 3.9 | 125 |
| 87 | A biobank of patient-derived pediatric brain tumor models. Nature Medicine, 2018, 24, 1752-1761. | 15.2 | 124 |
| 88 | Chd7 is indispensable for mammalian brain development through activation of a neuronal differentiation programme. Nature Communications, 2017, 8, 14758. | 5.8 | 118 |
| 89 | Molecularly defined diffuse leptomeningeal glioneuronal tumor (DLGNT) comprises two subgroups with distinct clinical and genetic features. Acta Neuropathologica, 2018, 136, 239-253. | 3.9 | 118 |
| 90 | Pediatric low-grade gliomas: next biologically driven steps. Neuro-Oncology, 2018, 20, 160-173. | 0.6 | 116 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | CDKN2A/B homozygous deletion is associated with early recurrence in meningiomas. Acta Neuropathologica, 2020, 140, 409-413. | 3.9 | 116 |
| 92 | LIN28A immunoreactivity is a potent diagnostic marker of embryonal tumor with multilayered rosettes (ETMR). Acta Neuropathologica, 2012, 124, 875-881. | 3.9 | 115 |
| 93 | Spatial heterogeneity in medulloblastoma. Nature Genetics, 2017, 49, 780-788. | 9.4 | 112 |
| 94 | The Pediatric Precision Oncology INFORM Registry: Clinical Outcome and Benefit for Patients with Very High-Evidence Targets. Cancer Discovery, 2021, 11, 2764-2779. | 7.7 | 110 |
| 95 | Primary intracranial spindle cell sarcoma with rhabdomyosarcoma-like features share a highly distinct methylation profile and DICER1 mutations. Acta Neuropathologica, 2018, 136, 327-337. | 3.9 | 104 |
| 96 | MYCN amplification drives an aggressive form of spinal ependymoma. Acta Neuropathologica, 2019, 138, 1075-1089. | 3.9 | 104 |
| 97 | Histone H3 wild-type DIPG/DMG overexpressing EZHIP extend the spectrum diffuse midline gliomas with PRC2 inhibition beyond H3-K27M mutation. Acta Neuropathologica, 2020, 139, 1109-1113. | 3.9 | 104 |
| 98 | Nuclear relocation of <scp>STAT</scp>6 reliably predicts NAB2â€“STAT6 fusion for the diagnosis of solitary fibrous tumour. Histopathology, 2014, 65, 613-622. | 1.6 | 101 |
| 99 | Methylation array profiling of adult brain tumours: diagnostic outcomes in a large, single centre. Acta Neuropathologica Communications, 2019, 7, 24. | 2.4 | 101 |
| 100 | N2M2 (NOA-20) phase I/II trial of molecularly matched targeted therapies plus radiotherapy in patients with newly diagnosed non-MGMT hypermethylated glioblastoma. Neuro-Oncology, 2019, 21, 95-105. | 0.6 | 100 |
| 101 | Molecular characteristics and therapeutic vulnerabilities across paediatric solid tumours. Nature Reviews Cancer, 2019, 19, 420-438. | 12.8 | 98 |
| 102 | Mechismo: predicting the mechanistic impact of mutations and modifications on molecular interactions. Nucleic Acids Research, 2015, 43, e10-e10. | 6.5 | 95 |
| 103 | The molecular landscape of ETMR at diagnosis and relapse. Nature, 2019, 576, 274-280. | 13.7 | 94 |
| 104 | Germline Elongator mutations in Sonic Hedgehog medulloblastoma. Nature, 2020, 580, 396-401. | 13.7 | 94 |
| 105 | Histone H3.3G34-Mutant Interneuron Progenitors Co-opt PDGFRA for Gliomagenesis. Cell, 2020, 183, 1617-1633.e22. | 13.5 | 93 |
| 106 | Integrated Molecular-Morphologic Meningioma Classification: A Multicenter Retrospective Analysis, Retrospectively and Prospectively Validated. Journal of Clinical Oncology, 2021, 39, 3839-3852. | 0.8 | 93 |
| 107 | Epithelioid glioblastomas stratify into established diagnostic subsets upon integrated molecular analysis. Brain Pathology, 2018, 28, 656-662. | 2.1 | 89 |
| 108 | Machine learning workflows to estimate class probabilities for precision cancer diagnostics on DNA methylation microarray data. Nature Protocols, 2020, 15, 479-512. | 5.5 | 89 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | AKT1E17K mutations cluster with meningothelial and transitional meningiomas and can be detected by SFRP1 immunohistochemistry. Acta Neuropathologica, 2013, 126, 757-762. | 3.9 | 88 |
| 110 | Genomic footprints of activated telomere maintenance mechanisms in cancer. Nature Communications, 2020, 11, 733. | 5.8 | 87 |
| 111 | Differential expression and methylation of brain developmental genes define location-specific subsets of pilocytic astrocytoma. Acta Neuropathologica, 2013, 126, 291-301. | 3.9 | 84 |
| 112 | Transcriptomic and epigenetic profiling of â€˜diffuse midline gliomas, H3 K27M-mutantâ€™ discriminate two subgroups based on the type of histone H3 mutated and not supratentorial or infratentorial location. Acta Neuropathologica Communications, 2018, 6, 117. | 2.4 | 83 |
| 113 | Isomorphic diffuse glioma is a morphologically and molecularly distinct tumour entity with recurrent gene fusions of MYBL1 or MYB and a benign disease course. Acta Neuropathologica, 2020, 139, 193-209. | 3.9 | 83 |
| 114 | MGMT CpG island is invariably methylated in adult astrocytic and oligodendroglial tumors with IDH1 or IDH2 mutations. International Journal of Cancer, 2012, 131, 1104-1113. | 2.3 | 78 |
| 115 | Assessing CpG island methylator phenotype, 1p/19q codeletion, and MGMT promoter methylation from epigenome-wide data in the biomarker cohort of the NOA-04 trial. Neuro-Oncology, 2014, 16, 1630-1638. | 0.6 | 77 |
| 116 | Array-based DNA-methylation profiling in sarcomas with small blue round cell histology provides valuable diagnostic information. Modern Pathology, 2018, 31, 1246-1256. | 2.9 | 76 |
| 117 | A subset of pediatric-type thalamic gliomas share a distinct DNA methylation profile, H3K27me3 loss and frequent alteration of EGFR. Neuro-Oncology, 2021, 23, 34-43. | 0.6 | 75 |
| 118 | Gliomatosis cerebri: no evidence for a separate brain tumor entity. Acta Neuropathologica, 2016, 131, 309-319. | 3.9 | 74 |
| 119 | Mutational patterns and regulatory networks in epigenetic subgroups of meningioma. Acta Neuropathologica, 2019, 138, 295-308. | 3.9 | 74 |
| 120 | Pediatric low-grade gliomas: implications of the biologic era. Neuro-Oncology, 2017, 19, now209. | 0.6 | 73 |
| 121 | Evidence of H3 K27M mutations in posterior fossa ependymomas. Acta Neuropathologica, 2016, 132, 635-637. | 3.9 | 73 |
| 122 | Super enhancers define regulatory subtypes and cell identity in neuroblastoma. Nature Cancer, 2021, 2, 114-128. | 5.7 | 73 |
| 123 | Genomic Analysis of Pilocytic Astrocytomas at 0.97 Mb Resolution Shows an Increasing Tendency Toward Chromosomal Copy Number Change With Age. Journal of Neuropathology and Experimental Neurology, 2006, 65, 1049-1058. | 0.9 | 72 |
| 124 | Next-generation (epi)genetic drivers of childhood brain tumours and the outlook for targeted therapies. Lancet Oncology, The, 2015, 16, e293-e302. | 5.1 | 72 |
| 125 | Recurrent intragenic rearrangements of EGFR and BRAF in soft tissue tumors of infants. Nature Communications, 2018, 9, 2378. | 5.8 | 72 |
| 126 | Response to trametinib treatment in progressive pediatric low-grade glioma patients. Journal of Neuro-Oncology, 2020, 149, 499-510. | 1.4 | 68 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | An activated mutant BRAF kinase domain is sufficient to induce pilocytic astrocytoma in mice. Journal of Clinical Investigation, 2011, 121, 1344-1348. | 3.9 | 68 |
| 128 | Hypermutation of the Inactive X Chromosome Is a Frequent Event in Cancer. Cell, 2013, 155, 567-581. | 13.5 | 67 |
| 129 | Methylation profiling of choroid plexus tumors reveals 3 clinically distinct subgroups. Neuro-Oncology, 2016, 18, 790-796. | 0.6 | 67 |
| 130 | Biological and clinical heterogeneity of MYCN-amplified medulloblastoma. Acta Neuropathologica, 2012, 123, 515-527. | 3.9 | 66 |
| 131 | Melanotic Tumors of the Nervous System are Characterized by Distinct Mutational, Chromosomal and Epigenomic Profiles. Brain Pathology, 2015, 25, 202-208. | 2.1 | 66 |
| 132 | Defective DNA damage repair leads to frequent catastrophic genomic events in murine and human tumors. Nature Communications, 2018, 9, 4760. | 5.8 | 66 |
| 133 | Bevacizumab plus hypofractionated radiotherapy versus radiotherapy alone in elderly patients with glioblastoma: the randomized, open-label, phase II ARTE trial. Annals of Oncology, 2018, 29, 1423-1430. | 0.6 | 65 |
| 134 | YAP1 subgroup supratentorial ependymoma requires TEAD and nuclear factor I-mediated transcriptional programmes for tumorigenesis. Nature Communications, 2019, 10, 3914. | 5.8 | 65 |
| 135 | Comprehensive Analysis of Chromatin States in Atypical Teratoid/Rhabdoid Tumor Identifies Diverging Roles for SWI/SNF and Polycomb in Gene Regulation. Cancer Cell, 2019, 35, 95-110.e8. | 7.7 | 65 |
| 136 | Medulloblastoma-associated DDX3 variant selectively alters the translational response to stress. Oncotarget, 2016, 7, 28169-28182. | 0.8 | 62 |
| 137 | EWSR1â€PATZ1 gene fusion may define a new glioneuronal tumor entity. Brain Pathology, 2019, 29, 53-62. | 2.1 | 61 |
| 138 | DNA methylation-based reclassification of olfactory neuroblastoma. Acta Neuropathologica, 2018, 136, 255-271. | 3.9 | 59 |
| 139 | FBW7 suppression leads to SOX9 stabilization and increased malignancy in medulloblastoma. EMBO Journal, 2016, 35, 2192-2212. | 3.5 | 58 |
| 140 | Cribriform neuroepithelial tumor: molecular characterization of a SMARCB1â€deficient nonâ€rhabdoid tumor with favorable longâ€term outcome. Brain Pathology, 2017, 27, 411-418. | 2.1 | 58 |
| 141 | Extensive Molecular and Clinical Heterogeneity in Patients With Histologically Diagnosed CNS-PNET Treated as a Single Entity: A Report From the Childrenâ€™s Oncology Group Randomized ACNS0332 Trial. Journal of Clinical Oncology, 2018, 36, 3388-3395. | 0.8 | 58 |
| 142 | Rosette-forming glioneuronal tumors share a distinct DNA methylation profile and mutations in FGFR1, with recurrent co-mutation of PIK3CA and NF1. Acta Neuropathologica, 2019, 138, 497-504. | 3.9 | 57 |
| 143 | Multicenter pilot study of radiochemotherapy as first-line treatment for adults with medulloblastoma (NOA-07). Neuro-Oncology, 2018, 20, 400-410. | 0.6 | 56 |
| 144 | FGFR1:TACC1 fusion is a frequent event in molecularly defined extraventricular neurocytoma. Acta Neuropathologica, 2018, 136, 293-302. | 3.9 | 56 |

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|---|---|---|---|
| 145 | TelomereHunter â€“ in silico estimation of telomere content and composition from cancer genomes. BMC Bioinformatics, 2019, 20, 272. | 1.2 | 56 |
| 146 | H3.3-K27M drives neural stem cell-specific gliomagenesis in a human iPSC-derived model. Cancer Cell, 2021, 39, 407-422.e13. | 7.7 | 56 |
| 147 | The Senescence-associated Secretory Phenotype Mediates Oncogene-induced Senescence in Pediatric Pilocytic Astrocytoma. Clinical Cancer Research, 2019, 25, 1851-1866. | 3.2 | 55 |
| 148 | DNA methylation-based profiling for paediatric CNS tumour diagnosis and treatment: a population-based study. The Lancet Child and Adolescent Health, 2020, 4, 121-130. | 2.7 | 55 |
| 149 | Genomic and transcriptomic analyses match medulloblastoma mouse models to their human counterparts. Acta Neuropathologica, 2014, 128, 123-136. | 3.9 | 54 |
| 150 | Recurrent homozygous deletion of DROSHA and microduplication of PDE4DIP in pineoblastoma. Nature Communications, 2018, 9, 2868. | 5.8 | 54 |
| 151 | Primary mismatch repair deficient IDH-mutant astrocytoma (PMMRDIA) is a distinct type with a poor prognosis. Acta Neuropathologica, 2021, 141, 85-100. | 3.9 | 52 |
| 152 | Histone 3.3 hotspot mutations in conventional osteosarcomas: a comprehensive clinical and molecular characterization of six H3F3A mutated cases. Clinical Sarcoma Research, 2017, 7, 9. | 2.3 | 51 |
| 153 | Brainstem biopsy in pediatric diffuse intrinsic pontine glioma in the era of precision medicine: the INFORM study experience. European Journal of Cancer, 2019, 114, 27-35. | 1.3 | 51 |
| 154 | Primary intracranial sarcomas with DICER1 mutation often contain prominent eosinophilic cytoplasmic globules and can occur in the setting of neurofibromatosis type 1. Acta Neuropathologica, 2019, 137, 521-525. | 3.9 | 51 |
| 155 | DNA methylation profiling distinguishes Ewing-like sarcoma with EWSR1â€“NFATc2 fusion from Ewing sarcoma. Journal of Cancer Research and Clinical Oncology, 2019, 145, 1273-1281. | 1.2 | 50 |
| 156 | Molecular subgrouping of primary pineal parenchymal tumors reveals distinct subtypes correlated with clinical parameters and genetic alterations. Acta Neuropathologica, 2020, 139, 243-257. | 3.9 | 50 |
| 157 | Genomic profiling of Acute lymphoblastic leukemia in ataxia telangiectasia patients reveals tight link between ATM mutations and chromothripsis. Leukemia, 2017, 31, 2048-2056. | 3.3 | 47 |
| 158 | Adult grade II diffuse astrocytomas are genetically distinct from and more aggressive than their paediatric counterparts. Acta Neuropathologica, 2011, 121, 753-761. | 3.9 | 46 |
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