David T W Jones

List of Publications by Year
in descending order

267 papers	50,632 citations	2675 95 h-index	1715 213 g-index
285 all docs	285 docs citations	285 times ranked	44955 citing authors

#	Article	IF	Citations
1	Precision medicine in pediatric solid cancers. Seminars in Cancer Biology, 2022, 84, 214-227.	9.6	10
2	Distinct DNA Methylation Patterns of Subependymal Giant Cell Astrocytomas in Tuberous Sclerosis Complex. Cellular and Molecular Neurobiology, 2022, 42, 2863-2892.	3.3	1
3	Pleomorphic xanthoastrocytoma is a heterogeneous entity with pTERT mutations prognosticating shorter survival. Acta Neuropathologica Communications, 2022, 10, 5.	5.2	12
4	Functional Therapeutic Target Validation Using Pediatric Zebrafish Xenograft Models. Cancers, 2022, 14, 849.	3.7	13
5	Clinical and molecular characterization of isolated M1 disease in pediatric medulloblastoma: experience from the German HIT-MED studies. Journal of Neuro-Oncology, 2022, 157, 37-48.	2.9	2
6	Rapid-CNS2: rapid comprehensive adaptive nanopore-sequencing of CNS tumors, a proof-of-concept study. Acta Neuropathologica, 2022, 143, 609-612.	7.7	19
7	The genomic landscape of pediatric renal cell carcinomas. IScience, 2022, 25, 104167.	4.1	3
8	IMMU-04. Transcriptional analysis reveals distinct microenvironmental subgroups across pediatric nervous system tumors. Neuro-Oncology, 2022, 24, i81-i81.	1.2	0
9	MiR-1248: a new prognostic biomarker able to identify supratentorial hemispheric pediatric low-grade gliomas patients associated with progression. Biomarker Research, 2022, 10, .	6.8	2
10	Gene expression profiling of Group 3 medulloblastomas defines a clinically tractable stratification based on KIRREL2 expression. Acta Neuropathologica, 2022, 144, 339-352.	7.7	5
11	Structural variants shape driver combinations and outcomes in pediatric high-grade glioma. Nature Cancer, 2022, 3, 994-1011.	13.2	20
12	Primary mismatch repair deficient IDH-mutant astrocytoma (PMMRDIA) is a distinct type with a poor prognosis. Acta Neuropathologica, 2021, 141, 85-100.	7.7	52
13	Super enhancers define regulatory subtypes and cell identity in neuroblastoma. Nature Cancer, 2021, 2, 114-128.	13.2	73
14	A case series of Diffuse Glioneuronal Tumours with Oligodendrogliomaâ€like features and Nuclear Clusters (DGONC). Neuropathology and Applied Neurobiology, 2021, 47, 464-467.	3.2	27
15	Accurate calling of KIAA1549â€BRAF fusions from DNA of human brain tumours using methylation arrayâ€based copy number and gene panel sequencing data. Neuropathology and Applied Neurobiology, 2021, 47, 406-414.	3.2	12
16	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.	1.2	75
17	Clinical and molecular heterogeneity of pineal parenchymal tumors: a consensus study. Acta Neuropathologica, 2021, 141, 771-785.	7.7	44
18	Alternative lengthening of telomeres in childhood neuroblastoma from genome to proteome. Nature Communications, 2021, 12, 1269.	12.8	46

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19	Molecular analysis of pediatric CNS-PNET revealed nosologic heterogeneity and potent diagnostic markers for CNS neuroblastoma with FOXR2-activation. Acta Neuropathologica Communications, 2021, 9, 20.	5.2	23
20	Integrated molecular analysis of adult sonic hedgehog (SHH)-activated medulloblastomas reveals two clinically relevant tumor subsets with VEGFA as potent prognostic indicator. Neuro-Oncology, 2021, 23, 1576-1585.	1.2	7
21	NTRK Alterations in Pediatric High-Risk Malignancies Identified Through European Clinical Sequencing Programs Constitute Promising Drug Targets. JCO Precision Oncology, 2021, 5, 450-454.	3.0	2
22	Integrated molecular and clinical analysis of low-grade gliomas in children with neurofibromatosis type 1 (NF1). Acta Neuropathologica, 2021, 141, 605-617.	7.7	36
23	Clinical Outcomes and Patient-Matched Molecular Composition of Relapsed Medulloblastoma. Journal of Clinical Oncology, 2021, 39, 807-821.	1.6	40
24	The age of adult pilocytic astrocytoma cells. Oncogene, 2021, 40, 2830-2841.	5.9	6
25	H3.3-K27M drives neural stem cell-specific gliomagenesis in a human iPSC-derived model. Cancer Cell, 2021, 39, 407-422.e13.	16.8	56
26	Glioblastomas with primitive neuronal component harbor a distinct methylation and copy-number profile with inactivation of TP53, PTEN, and RB1. Acta Neuropathologica, 2021, 142, 179-189.	7.7	24
27	Clinicopathologic and molecular analysis of embryonal rhabdomyosarcoma of the genitourinary tract: evidence for a distinct DICER1-associated subgroup. Modern Pathology, 2021, 34, 1558-1569.	5.5	28
28	High-Resolution Cartography of the Transcriptome and Methylome Landscapes of Diffuse Gliomas. Cancers, 2021, 13, 3198.	3.7	6
29	Intimal sarcomas and undifferentiated cardiac sarcomas carry mutually exclusive MDM2, MDM4, and CDK6 amplifications and share a common DNA methylation signature. Modern Pathology, 2021, 34, 2122-2129.	5.5	17
30	PATZ1 fusions define a novel molecularly distinct neuroepithelial tumor entity with a broad histological spectrum. Acta Neuropathologica, 2021, 142, 841-857.	7.7	36
31	Recurrent fusions in PLAGL1 define a distinct subset of pediatric-type supratentorial neuroepithelial tumors. Acta Neuropathologica, 2021, 142, 827-839.	7.7	33
32	The Pediatric Precision Oncology INFORM Registry: Clinical Outcome and Benefit for Patients with Very High-Evidence Targets. Cancer Discovery, 2021, 11, 2764-2779.	9.4	110
33	Combining APR-246 and HDAC-Inhibitors: A Novel Targeted Treatment Option for Neuroblastoma. Cancers, 2021, 13, 4476.	3.7	8
34	Radiation-induced gliomas represent H3-/IDH-wild type pediatric gliomas with recurrent PDGFRA amplification and loss of CDKN2A/B. Nature Communications, 2021, 12, 5530.	12.8	24
35	GOPC:ROS1 and other ROS1 fusions represent a rare but recurrent drug target in a variety of glioma types. Acta Neuropathologica, 2021, 142, 1065-1069.	7.7	16
36	Sarcoma classification by DNA methylation profiling. Nature Communications, 2021, 12, 498.	12.8	237

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37	Clear cell meningiomas are defined by a highly distinct DNA methylation profile and mutations in SMARCE1. Acta Neuropathologica, 2021, 141, 281-290.	7.7	31
38	Genetic and epigenetic characterization of posterior pituitary tumors. Acta Neuropathologica, 2021, 142, 1025-1043.	7.7	7
39	Integrated Molecular-Morphologic Meningioma Classification: A Multicenter Retrospective Analysis, Retrospectively and Prospectively Validated. Journal of Clinical Oncology, 2021, 39, 3839-3852.	1.6	93
40	DNA methylation-based classifier and gene expression signatures detect BRCAness in osteosarcoma. PLoS Computational Biology, 2021, 17, e1009562.	3.2	6
41	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.	7.7	83
42	Posterior fossa pilocytic astrocytomas with oligodendroglial features show frequent FGFR1 activation via fusion or mutation. Acta Neuropathologica, 2020, 139, 403-406.	7.7	9
43	Machine learning workflows to estimate class probabilities for precision cancer diagnostics on DNA methylation microarray data. Nature Protocols, 2020, 15, 479-512.	12.0	89
44	YAP1-fusions in pediatric NF2-wildtype meningioma. Acta Neuropathologica, 2020, 139, 215-218.	7.7	45
45	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.	5.6	55
46	Molecular subgrouping of primary pineal parenchymal tumors reveals distinct subtypes correlated with clinical parameters and genetic alterations. Acta Neuropathologica, 2020, 139, 243-257.	7.7	50
47	High density DNA methylation array is a reliable alternative for PCR-based analysis of the MGMT promoter methylation status in glioblastoma. Pathology Research and Practice, 2020, 216, 152728.	2.3	8
48	Transcriptional profiling of medulloblastoma with extensive nodularity (MBEN) reveals two clinically relevant tumor subsets with VSNL1 as potent prognostic marker. Acta Neuropathologica, 2020, 139, 583-596.	7.7	13
49	Response to trametinib treatment in progressive pediatric low-grade glioma patients. Journal of Neuro-Oncology, 2020, 149, 499-510.	2.9	68
50	Histone H3.3G34-Mutant Interneuron Progenitors Co-opt PDGFRA for Gliomagenesis. Cell, 2020, 183, 1617-1633.e22.	28.9	93
51	Infratentorial IDH-mutant astrocytoma is a distinct subtype. Acta Neuropathologica, 2020, 140, 569-581.	7.7	45
52	Drivers underpinning the malignant transformation of giant cell tumour of bone. Journal of Pathology, 2020, 252, 433-440.	4.5	21
53	Germline-driven replication repair-deficient high-grade gliomas exhibit unique hypomethylation patterns. Acta Neuropathologica, 2020, 140, 765-776.	7.7	23
54	Systematic target actionability reviews of preclinical proof-of-concept papers to match targeted drugs to paediatric cancers. European Journal of Cancer, 2020, 130, 168-181.	2.8	7

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55	An optimized workflow to improve reliability of detection of KIAA1549:BRAF fusions from RNA sequencing data. Acta Neuropathologica, 2020, 140, 237-239.	7.7	5
56	INFORM2 NivEnt: The first trial of the INFORM2 biomarker driven phase I/II trial series: the combination of nivolumab and entinostat in children and adolescents with refractory high-risk malignancies. BMC Cancer, 2020, 20, 523.	2.6	24
57	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.	7.7	104
58	Germline Elongator mutations in Sonic Hedgehog medulloblastoma. Nature, 2020, 580, 396-401.	27.8	94
59	Diffuse leptomeningeal glioneuronal tumor: a double misnomer? A report of two cases. Acta Neuropathologica Communications, 2020, 8, 95.	5.2	22
60	CDKN2A/B homozygous deletion is associated with early recurrence in meningiomas. Acta Neuropathologica, 2020, 140, 409-413.	7.7	116
61	Implications of new understandings of gliomas in children and adults with NF1: report of a consensus conference. Neuro-Oncology, 2020, 22, 773-784.	1.2	44
62	Pilocytic astrocytoma demethylation and transcriptional landscapes link bZIP transcription factors to immune response. Neuro-Oncology, 2020, 22, 1327-1338.	1.2	10
63	Genomic footprints of activated telomere maintenance mechanisms in cancer. Nature Communications, 2020, 11, 733.	12.8	87
64	Comprehensive analysis of chromothripsis in 2,658 human cancers using whole-genome sequencing. Nature Genetics, 2020, 52, 331-341.	21.4	431
65	Infant High-Grade Gliomas Comprise Multiple Subgroups Characterized by Novel Targetable Gene Fusions and Favorable Outcomes. Cancer Discovery, 2020, 10, 942-963.	9.4	157
66	MYCN amplification drives an aggressive form of spinal ependymoma. Acta Neuropathologica, 2019, 138, 1075-1089.	7.7	104
67	Molecular characteristics and therapeutic vulnerabilities across paediatric solid tumours. Nature Reviews Cancer, 2019, 19, 420-438.	28.4	98
68	Routine RNA sequencing of formalin-fixed paraffin-embedded specimens in neuropathology diagnostics identifies diagnostically and therapeutically relevant gene fusions. Acta Neuropathologica, 2019, 138, 827-835.	7.7	42
69	Tumors diagnosed as cerebellar glioblastoma comprise distinct molecular entities. Acta Neuropathologica Communications, 2019, 7, 163.	5.2	37
70	YAP1 subgroup supratentorial ependymoma requires TEAD and nuclear factor I-mediated transcriptional programmes for tumorigenesis. Nature Communications, 2019, 10, 3914.	12.8	65
71	Primary CNS Alveolar Rhabdomyosarcoma: Importance of Epigenetic and Transcriptomic Assays for Accurate Diagnosis. Journal of Neuropathology and Experimental Neurology, 2019, 78, 1073-1075.	1.7	6
72	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.	7.7	57

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73	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.	10.7	315
74	TelomereHunter â€“ in silico estimation of telomere content and composition from cancer genomes. BMC Bioinformatics, 2019, 20, 272.	2.6	56
75	Mutational patterns and regulatory networks in epigenetic subgroups of meningioma. Acta Neuropathologica, 2019, 138, 295-308.	7.7	74
76	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.	2.8	51
77	Molecular progression of SHH-activated medulloblastomas. Acta Neuropathologica, 2019, 138, 327-330.	7.7	2
78	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.	2.5	50
79	Methylation array profiling of adult brain tumours: diagnostic outcomes in a large, single centre. Acta Neuropathologica Communications, 2019, 7, 24.	5.2	101
80	cIMPACT-NOW update 4: diffuse gliomas characterized by MYB, MYBL1, or FGFR1 alterations or BRAFV600E mutation. Acta Neuropathologica, 2019, 137, 683-687.	7.7	170
81	DECIPHER pooled shRNA library screen identifies PP2A and FGFR signaling as potential therapeutic targets for diffuse intrinsic pontine gliomas. Neuro-Oncology, 2019, 21, 867-877.	1.2	24
82	Challenges to curing primary brain tumours. Nature Reviews Clinical Oncology, 2019, 16, 509-520.	27.6	540
83	Desmoplastic/nodular medulloblastomas (DNMB) and medulloblastomas with extensive nodularity (MBEN) disclose similar epigenetic signatures but different transcriptional profiles. Acta Neuropathologica, 2019, 137, 1003-1015.	7.7	9
84	Papillary glioneuronal tumor (PGNT) exhibits a characteristic methylation profile and fusions involving PRKCA. Acta Neuropathologica, 2019, 137, 837-846.	7.7	43
85	The Power of Human Cancer Genetics as Revealed by Low-Grade Gliomas. Annual Review of Genetics, 2019, 53, 483-503.	7.6	22
86	The molecular landscape of ETMR at diagnosis and relapse. Nature, 2019, 576, 274-280.	27.8	94
87	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.	16.8	65
88	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.	7.7	51
89	The Senescence-associated Secretory Phenotype Mediates Oncogene-induced Senescence in Pediatric Pilocytic Astrocytoma. Clinical Cancer Research, 2019, 25, 1851-1866.	7.0	55
90	DNA methylation profiling is a method of choice for molecular verification of pediatric WNT-activated medulloblastomas. Neuro-Oncology, 2019, 21, 214-221.	1.2	31

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91	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.	1.2	100
92	EWSR1â€PATZ1 gene fusion may define a new glioneuronal tumor entity. Brain Pathology, 2019, 29, 53-62.	4.1	61
93	The landscape of genomic alterations across childhood cancers. Nature, 2018, 555, 321-327.	27.8	1,068
94	Novel, improved grading system(s) for IDH-mutant astrocytic gliomas. Acta Neuropathologica, 2018, 136, 153-166.	7.7	298
95	Unusual paediatric spinal myxopapillary ependymomas: Unique molecular entities or pathological variations on a theme?. Journal of Clinical Neuroscience, 2018, 50, 144-148.	1.5	7
96	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.	1.2	65
97	A Novel Method for Rapid Molecular Subgrouping of Medulloblastoma. Clinical Cancer Research, 2018, 24, 1355-1363.	7.0	24
98	Feasibility of real-time molecular profiling for patients with newly diagnosed glioblastoma without MGMT promoter hypermethylationâ€"the NCT Neuro Master Match (N2M2) pilot study. Neuro-Oncology, 2018, 20, 826-837.	1.2	32
99	Therapeutic targeting of ependymoma as informed by oncogenic enhancer profiling. Nature, 2018, 553, 101-105.	27.8	170
100	Systematic identification of suspected anthelmintic benzimidazole metabolites using LCâ€"MS/MS. Journal of Pharmaceutical and Biomedical Analysis, 2018, 151, 151-158.	2.8	9
101	DNA methylation-based reclassification of olfactory neuroblastoma. Acta Neuropathologica, 2018, 136, 255-271.	7.7	59
102	DNA methylation-based classification of central nervous system tumours. Nature, 2018, 555, 469-474.	27.8	1,872
103	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.	7.7	190
104	Molecular characterization of medulloblastomas with extensive nodularity (MBEN). Acta Neuropathologica, 2018, 136, 303-313.	7.7	20
105	Array-based DNA-methylation profiling in sarcomas with small blue round cell histology provides valuable diagnostic information. Modern Pathology, 2018, 31, 1246-1256.	5.5	76
106	Methylation profiling of paediatric pilocytic astrocytoma reveals variants specifically associated with tumour location and predictive of recurrence. Molecular Oncology, 2018, 12, 1219-1232.	4.6	14
107	Multicenter pilot study of radiochemotherapy as first-line treatment for adults with medulloblastoma (NOA-07). Neuro-Oncology, 2018, 20, 400-410.	1.2	56
108	Radiomic subtyping improves disease stratification beyond key molecular, clinical, and standard imaging characteristics in patients with glioblastoma. Neuro-Oncology, 2018, 20, 848-857.	1.2	170

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109	The case for DNA methylation based molecular profiling to improve diagnostic accuracy for central nervous system embryonal tumors (not otherwise specified) in adults. Journal of Clinical Neuroscience, 2018, 47, 163-167.	1.5	8
110	Epithelioid glioblastomas stratify into established diagnostic subsets upon integrated molecular analysis. Brain Pathology, 2018, 28, 656-662.	4.1	89
111	Pediatric low-grade gliomas: next biologically driven steps. Neuro-Oncology, 2018, 20, 160-173.	1.2	116
112	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.	1.6	250
113	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.	1.6	58
114	BRAF V600E Status Alone Is Not Sufficient as a Prognostic Biomarker in Pediatric Low-Grade Glioma. Journal of Clinical Oncology, 2018, 36, 96-96.	1.6	15
115	Defective DNA damage repair leads to frequent catastrophic genomic events in murine and human tumors. Nature Communications, 2018, 9, 4760.	12.8	66
116	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.	5.2	83
117	Over-expressed, N-terminally truncated BRAF is detected in the nucleus of cells with nuclear phosphorylated MEK and ERK. Heliyon, 2018, 4, e01065.	3.2	1
118	Modern Principles of CNS Tumor Classification. , 2018, , 117-129.		0
119	Chordoid meningiomas can be sub-stratified into prognostically distinct DNA methylation classes and are enriched for heterozygous deletions of chromosomal arm 2p. Acta Neuropathologica, 2018, 136, 975-978.	7.7	11
120	A biobank of patient-derived pediatric brain tumor models. Nature Medicine, 2018, 24, 1752-1761.	30.7	124
121	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.	10.7	151
122	Molecularly defined diffuse leptomeningeal glioneuronal tumor (DLGNT) comprises two subgroups with distinct clinical and genetic features. Acta Neuropathologica, 2018, 136, 239-253.	7.7	118
123	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.	16.8	140
124	Duplications of KIAA1549 and BRAF screening by Droplet Digital PCR from formalin-fixed paraffin-embedded DNA is an accurate alternative for KIAA1549-BRAF fusion detection in pilocytic astrocytomas. Modern Pathology, 2018, 31, 1490-1501.	5.5	29
125	FGFR1:TACC1 fusion is a frequent event in molecularly defined extraventricular neurocytoma. Acta Neuropathologica, 2018, 136, 293-302.	7.7	56
126	Practical implementation of DNA methylation and copy-number-based CNS tumor diagnostics: the Heidelberg experience. Acta Neuropathologica, 2018, 136, 181-210.	7.7	308

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127	EGFL7 enhances surface expression of integrin Î± ₅ Î² ₁ to promote angiogenesis in malignant brain tumors. EMBO Molecular Medicine, 2018, 10, .	6.9	33
128	Desmoplastic Infantile Ganglioglioma/Astrocytoma (DIG/DIA) Are Distinct Entities with Frequent BRAFV600 Mutations. Molecular Cancer Research, 2018, 16, 1491-1498.	3.4	39
129	Myxoid glioneuronal tumor of the septum pellucidum and lateral ventricle is defined by a recurrent PDGFRA p.K385 mutation and DNT-like methylation profile. Acta Neuropathologica, 2018, 136, 339-343.	7.7	37
130	Recurrent homozygous deletion of DROSHA and microduplication of PDE4DIP in pineoblastoma. Nature Communications, 2018, 9, 2868.	12.8	54
131	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.	10.7	268
132	Methylome analysis and whole-exome sequencing reveal that brain tumors associated with encephalocraniocutaneous lipomatosis are midline pilocytic astrocytomas. Acta Neuropathologica, 2018, 136, 657-660.	7.7	18
133	Voxel-wise radiogenomic mapping of tumor location with key molecular alterations in patients with glioma. Neuro-Oncology, 2018, 20, 1517-1524.	1.2	36
134	Primary intracranial spindle cell sarcoma with rhabdomyosarcoma-like features share a highly distinct methylation profile and DICER1 mutations. Acta Neuropathologica, 2018, 136, 327-337.	7.7	104
135	Molecular heterogeneity and CXorf67 alterations in posterior fossa group A (PFA) ependymomas. Acta Neuropathologica, 2018, 136, 211-226.	7.7	199
136	Recurrent intragenic rearrangements of EGFR and BRAF in soft tissue tumors of infants. Nature Communications, 2018, 9, 2378.	12.8	72
137	Pediatric low-grade gliomas: implications of the biologic era. Neuro-Oncology, 2017, 19, now209.	1.2	73
138	Pediatric high-grade glioma: biologically and clinically in need of new thinking. Neuro-Oncology, 2017, 19, now101.	1.2	217
139	Development of the SIOPE DIPG network, registry and imaging repository: a collaborative effort to optimize research into a rare and lethal disease. Journal of Neuro-Oncology, 2017, 132, 255-266.	2.9	42
140	Global epigenetic profiling identifies methylation subgroups associated with recurrence-free survival in meningioma. Acta Neuropathologica, 2017, 133, 431-444.	7.7	155
141	Genomic profiling of Acute lymphoblastic leukemia in ataxia telangiectasia patients reveals tight link between ATM mutations and chromothripsis. Leukemia, 2017, 31, 2048-2056.	7.2	47
142	Spatial heterogeneity in medulloblastoma. Nature Genetics, 2017, 49, 780-788.	21.4	112
143	H3-/IDH-wild type pediatric glioblastoma is comprised of molecularly and prognostically distinct subtypes with associated oncogenic drivers. Acta Neuropathologica, 2017, 134, 507-516.	7.7	144
144	Meningiomas induced by low-dose radiation carry structural variants of NF2 and a distinct mutational signature. Acta Neuropathologica, 2017, 134, 155-158.	7.7	26

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145	DNA methylation-based classification and grading system for meningioma: a multicentre, retrospective analysis. Lancet Oncology, The, 2017, 18, 682-694.	10.7	586
146	Chd7 is indispensable for mammalian brain development through activation of a neuronal differentiation programme. Nature Communications, 2017, 8, 14758.	12.8	118
147	Gain of 12p encompassing CCND2 is associated with gemistocytic histology in IDH mutant astrocytomas. Acta Neuropathologica, 2017, 133, 325-327.	7.7	12
148	Integrated Molecular Meta-Analysis of 1,000 Pediatric High-Grade and Diffuse Intrinsic Pontine Glioma. Cancer Cell, 2017, 32, 520-537.e5.	16.8	716
149	DNA-methylation profiling discloses significant advantages over NanoString method for molecular classification of medulloblastoma. Acta Neuropathologica, 2017, 134, 965-967.	7.7	38
150	The whole-genome landscape of medulloblastoma subtypes. Nature, 2017, 547, 311-317.	27.8	787
151	Imaging Biomarkers for Adult Medulloblastomas: Genetic Entities May Be Identified by Their MR Imaging Radiophenotype. American Journal of Neuroradiology, 2017, 38, 1892-1898.	2.4	21
152	Molecular Transition of an Adult Low-Grade Brain Tumor to an Atypical Teratoid/Rhabdoid Tumor Over a Time-Course of 14 Years. Journal of Neuropathology and Experimental Neurology, 2017, 76, 655-664.	1.7	13
153	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
154	From class waivers to precision medicine in paediatric oncology. Lancet Oncology, The, 2017, 18, e394-e404.	10.7	45
155	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.	7.7	172
156	Quantification of telomere features in tumor tissue sections by an automated 3D imaging-based workflow. Methods, 2017, 114, 60-73.	3.8	15
157	Cribriform neuroepithelial tumor: molecular characterization of a SMARCB1â€deficient nonâ€rhabdoid tumor with favorable longâ€term outcome. Brain Pathology, 2017, 27, 411-418.	4.1	58
158	confFuse: High-Confidence Fusion Gene Detection across Tumor Entities. Frontiers in Genetics, 2017, 8, 137.	2.3	9
159	Pediatric Gliomas: Current Concepts on Diagnosis, Biology, and Clinical Management. Journal of Clinical Oncology, 2017, 35, 2370-2377.	1.6	223
160	New Classification for Central Nervous System Tumors: Implications for Diagnosis and Therapy. American Society of Clinical Oncology Educational Book / ASCO American Society of Clinical Oncology Meeting, 2017, 37, 753-763.	3.8	9
161	New Classification for Central Nervous System Tumors: Implications for Diagnosis and Therapy. American Society of Clinical Oncology Educational Book / ASCO American Society of Clinical Oncology Meeting, 2017, 37, 753-763.	3.8	11
162	Droplet digital PCR is a powerful technique to demonstrate frequent FGFR1 duplication in dysembryoplastic neuroepithelial tumors. Oncotarget, 2017, 8, 2104-2113.	1.8	39

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