David T W Jones

List of Publications by Citations

270 papers	34,967 citations	83 h-index	185 g-index
285 ext. papers	44,438 ext. citations	14.4 avg, IF	6.33 L-index

#	Paper	IF	Citations
270	Signatures of mutational processes in human cancer. *Nature*, **2013**, 500, 415-21	50.4	5895
269	Driver mutations in histone H3.3 and chromatin remodelling genes in paediatric glioblastoma. *Nature*, **2012**, 482, 226-31	50.4	1655
268	Hotspot mutations in H3F3A and IDH1 define distinct epigenetic and biological subgroups of glioblastoma. *Cancer Cell*, **2012**, 22, 425-37	24.3	1243
267	DNA methylation-based classification of central nervous system tumours. *Nature*, **2018**, 555, 469-474	50.4	992
266	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, 473-84	14.3	678
265	Molecular Classification of Ependymal Tumors across All CNS Compartments, Histopathological Grades, and Age Groups. *Cancer Cell*, **2015**, 27, 728-43	24.3	672
264	Tandem duplication producing a novel oncogenic BRAF fusion gene defines the majority of pilocytic astrocytomas. *Cancer Research*, **2008**, 68, 8673-7	10.1	658
263	Dissecting the genomic complexity underlying medulloblastoma. *Nature*, **2012**, 488, 100-5	50.4	623
262	The landscape of genomic alterations across childhood cancers. *Nature*, **2018**, 555, 321-327	50.4	603
261	Genome sequencing of pediatric medulloblastoma links catastrophic DNA rearrangements with TP53 mutations. *Cell*, **2012**, 148, 59-71	56.2	600
260	Subgroup-specific structural variation across 1,000 medulloblastoma genomes. *Nature*, **2012**, 488, 49-56	50.4	596
259	Medulloblastoma exome sequencing uncovers subtype-specific somatic mutations. *Nature*, **2012**, 488, 106-10	50.4	552
258	Recurrent somatic alterations of FGFR1 and NTRK2 in pilocytic astrocytoma. *Nature Genetics*, **2013**, 45, 927-32	36.3	550
257	New Brain Tumor Entities Emerge from Molecular Classification of CNS-PNETs. *Cell*, **2016**, 164, 1060-1072	36.2	483
256	Reduced H3K27me3 and DNA hypomethylation are major drivers of gene expression in K27M mutant pediatric high-grade gliomas. *Cancer Cell*, **2013**, 24, 660-72	24.3	478
255	The whole-genome landscape of medulloblastoma subtypes. *Nature*, **2017**, 547, 311-317	50.4	472
254	Genome sequencing of SHH medulloblastoma predicts genotype-related response to smoothened inhibition. *Cancer Cell*, **2014**, 25, 393-405	24.3	469

253	Medulloblastomics: the end of the beginning. *Nature Reviews Cancer*, **2012**, 12, 818-34	31.3	443
252	IDH1 mutations are present in the majority of common adult gliomas but rare in primary glioblastomas. *Neuro-Oncology*, **2009**, 11, 341-7	1	435
251	Epigenomic alterations define lethal CIMP-positive ependymomas of infancy. *Nature*, **2014**, 506, 445-50	50.4	434
250	Integrated Molecular Meta-Analysis of 1,000 Pediatric High-Grade and Diffuse Intrinsic Pontine Glioma. *Cancer Cell*, **2017**, 32, 520-537.e5	24.3	423
249	Delineation of two clinically and molecularly distinct subgroups of posterior fossa ependymoma. *Cancer Cell*, **2011**, 20, 143-57	24.3	395
248	Paediatric and adult glioblastoma: multiform (epi)genomic culprits emerge. *Nature Reviews Cancer*, **2014**, 14, 92-107	31.3	383
247	Enhancer hijacking activates GFI1 family oncogenes in medulloblastoma. *Nature*, **2014**, 511, 428-34	50.4	377
246	DNA methylation-based classification and grading system for meningioma: a multicentre, retrospective analysis. *Lancet Oncology, The*, **2017**, 18, 682-694	21.7	336
245	Atypical Teratoid/Rhabdoid Tumors Are Comprised of Three Epigenetic Subgroups with Distinct Enhancer Landscapes. *Cancer Cell*, **2016**, 29, 379-393	24.3	319
244	ATRX and IDH1-R132H immunohistochemistry with subsequent copy number analysis and IDH sequencing as a basis for an "integrated" diagnostic approach for adult astrocytoma, oligodendroglioma and glioblastoma. *Acta Neuropathologica*, **2015**, 129, 133-46	14.3	313
243	Decoding the regulatory landscape of medulloblastoma using DNA methylation sequencing. *Nature* , **2014**, 510, 537-41	50.4	296
242	Recurrent somatic mutations in ACVR1 in pediatric midline high-grade astrocytoma. *Nature Genetics*, **2014**, 46, 462-6	36.3	296
241	Frequent ATRX mutations and loss of expression in adult diffuse astrocytic tumors carrying IDH1/IDH2 and TP53 mutations. *Acta Neuropathologica*, **2012**, 124, 615-25	14.3	295
240	Subgroup-specific prognostic implications of TP53 mutation in medulloblastoma. *Journal of Clinical Oncology*, **2013**, 31, 2927-35	2.2	290
239	Challenges to curing primary brain tumours. *Nature Reviews Clinical Oncology*, **2019**, 16, 509-520	19.4	284
238	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, 651-8	14.3	247
237	Active medulloblastoma enhancers reveal subgroup-specific cellular origins. *Nature*, **2016**, 530, 57-62	50.4	234
236	Pilocytic astrocytoma: pathology, molecular mechanisms and markers. *Acta Neuropathologica*, **2015** , 129, 775-88	14.3	229

235	Recurrence patterns across medulloblastoma subgroups: an integrated clinical and molecular analysis. *Lancet Oncology, The*, **2013**, 14, 1200-7	21.7	226
234	Integrated analysis of pediatric glioblastoma reveals a subset of biologically favorable tumors with associated molecular prognostic markers. *Acta Neuropathologica*, **2015**, 129, 669-78	14.3	220
233	Distribution of TERT promoter mutations in pediatric and adult tumors of the nervous system. *Acta Neuropathologica*, **2013**, 126, 907-15	14.3	211
232	Divergent clonal selection dominates medulloblastoma at recurrence. *Nature*, **2016**, 529, 351-7	50.4	206
231	Mutations in SETD2 and genes affecting histone H3K36 methylation target hemispheric high-grade gliomas. *Acta Neuropathologica*, **2013**, 125, 659-69	14.3	201
230	Farewell to oligoastrocytoma: in situ molecular genetics favor classification as either oligodendroglioma or astrocytoma. *Acta Neuropathologica*, **2014**, 128, 551-9	14.3	200
229	Cytogenetic prognostication within medulloblastoma subgroups. *Journal of Clinical Oncology*, **2014**, 32, 886-96	2.2	199
228	A comprehensive assessment of somatic mutation detection in cancer using whole-genome sequencing. *Nature Communications*, **2015**, 6, 10001	17.4	199
227	Adult IDH wild type astrocytomas biologically and clinically resolve into other tumor entities. *Acta Neuropathologica*, **2015**, 130, 407-17	14.3	194
226	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, 913-6	14.3	194
225	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	21.7	187
224	Next-generation personalised medicine for high-risk paediatric cancer patients - The INFORM pilot study. *European Journal of Cancer*, **2016**, 65, 91-101	7.5	186
223	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	21.7	182
222	Somatic CRISPR/Cas9-mediated tumour suppressor disruption enables versatile brain tumour modelling. *Nature Communications*, **2015**, 6, 7391	17.4	181
221	Oncogenic FAM131B-BRAF fusion resulting from 7q34 deletion comprises an alternative mechanism of MAPK pathway activation in pilocytic astrocytoma. *Acta Neuropathologica*, **2011**, 121, 763-74	14.3	176
220	Methylation of the TERT promoter and risk stratification of childhood brain tumours: an integrative genomic and molecular study. *Lancet Oncology, The*, **2013**, 14, 534-42	21.7	169
219	Comprehensive analysis of chromothripsis in 2,658 human cancers using whole-genome sequencing. *Nature Genetics*, **2020**, 52, 331-341	36.3	168
218	Novel, improved grading system(s) for IDH-mutant astrocytic gliomas. *Acta Neuropathologica*, **2018**, 136, 153-166	14.3	162

217	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	21.7	159
216	Secretory meningiomas are defined by combined KLF4 K409Q and TRAF7 mutations. *Acta Neuropathologica*, **2013**, 125, 351-8	14.3	158
215	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, 279-89	14.3	152
214	MAPK pathway activation in pilocytic astrocytoma. *Cellular and Molecular Life Sciences*, **2012**, 69, 1799-811	10.3	152
213	Next-generation sequencing in routine brain tumor diagnostics enables an integrated diagnosis and identifies actionable targets. *Acta Neuropathologica*, **2016**, 131, 903-10	14.3	151
212	Integrated DNA methylation and copy-number profiling identify three clinically and biologically relevant groups of anaplastic glioma. *Acta Neuropathologica*, **2014**, 128, 561-71	14.3	148
211	Practical implementation of DNA methylation and copy-number-based CNS tumor diagnostics: the Heidelberg experience. *Acta Neuropathologica*, **2018**, 136, 181-210	14.3	148
210	Phase II study of sorafenib in children with recurrent or progressive low-grade astrocytomas. *Neuro-Oncology*, **2014**, 16, 1408-16	1	140
209	Recurrent MET fusion genes represent a drug target in pediatric glioblastoma. *Nature Medicine*, **2016**, 22, 1314-1320	50.5	137
208	Pediatric Gliomas: Current Concepts on Diagnosis, Biology, and Clinical Management. *Journal of Clinical Oncology*, **2017**, 35, 2370-2377	2.2	129
207	Aberrant patterns of H3K4 and H3K27 histone lysine methylation occur across subgroups in medulloblastoma. *Acta Neuropathologica*, **2013**, 125, 373-84	14.3	126
206	Pediatric high-grade glioma: biologically and clinically in need of new thinking. *Neuro-Oncology*, **2017**, 19, 153-161	1	125
205	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	2.2	125
204	Therapeutic targeting of ependymoma as informed by oncogenic enhancer profiling. *Nature*, **2018**, 553, 101-105	50.4	116
203	TERT promoter mutations are highly recurrent in SHH subgroup medulloblastoma. *Acta Neuropathologica*, **2013**, 126, 917-29	14.3	115
202	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, 2468-77	2.2	113
201	Radiomic subtyping improves disease stratification beyond key molecular, clinical, and standard imaging characteristics in patients with glioblastoma. *Neuro-Oncology*, **2018**, 20, 848-857	1	111
200	Molecular heterogeneity and CXorf67 alterations in posterior fossa group A (PFA) ependymomas. *Acta Neuropathologica*, **2018**, 136, 211-226	14.3	111

199	Methylation-based classification of benign and malignant peripheral nerve sheath tumors. *Acta Neuropathologica*, **2016**, 131, 877-87	14.3	110
198	Genetic aberrations leading to MAPK pathway activation mediate oncogene-induced senescence in sporadic pilocytic astrocytomas. *Clinical Cancer Research*, **2011**, 17, 4650-60	12.9	103
197	Histologically distinct neuroepithelial tumors with histone 3 G34 mutation are molecularly similar and comprise a single nosologic entity. *Acta Neuropathologica*, **2016**, 131, 137-46	14.3	102
196	Adamantinomatous and papillary craniopharyngiomas are characterized by distinct epigenomic as well as mutational and transcriptomic profiles. *Acta Neuropathologica Communications*, **2016**, 4, 20	7.3	101
195	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	14.3	99
194	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	14.3	96
193	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	21.7	95
192	Prognostic significance of clinical, histopathological, and molecular characteristics of medulloblastomas in the prospective HIT2000 multicenter clinical trial cohort. *Acta Neuropathologica*, **2014**, 128, 137-49	14.3	93
191	cIMPACT-NOW update 4: diffuse gliomas characterized by MYB, MYBL1, or FGFR1 alterations or BRAF mutation. *Acta Neuropathologica*, **2019**, 137, 683-687	14.3	92
190	Poorly differentiated chordoma with SMARCB1/INI1 loss: a distinct molecular entity with dismal prognosis. *Acta Neuropathologica*, **2016**, 132, 149-51	14.3	89
189	LIN28A immunoreactivity is a potent diagnostic marker of embryonal tumor with multilayered rosettes (ETMR). *Acta Neuropathologica*, **2012**, 124, 875-81	14.3	87
188	Nuclear relocation of STAT6 reliably predicts NAB2-STAT6 fusion for the diagnosis of solitary fibrous tumour. *Histopathology*, **2014**, 65, 613-22	7.3	83
187	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	24.3	81
186	Spatial heterogeneity in medulloblastoma. *Nature Genetics*, **2017**, 49, 780-788	36.3	80
185	Global epigenetic profiling identifies methylation subgroups associated with recurrence-free survival in meningioma. *Acta Neuropathologica*, **2017**, 133, 431-444	14.3	78
184	Pediatric low-grade gliomas: next biologically driven steps. *Neuro-Oncology*, **2018**, 20, 160-173	1	76
183	Chd7 is indispensable for mammalian brain development through activation of a neuronal differentiation programme. *Nature Communications*, **2017**, 8, 14758	17.4	75
182	Sarcoma classification by DNA methylation profiling. *Nature Communications*, **2021**, 12, 498	17.4	74

181	Molecularly defined diffuse leptomeningeal glioneuronal tumor (DLGNT) comprises two subgroups with distinct clinical and genetic features. *Acta Neuropathologica*, **2018**, 136, 239-253	14.3	73
180	A biobank of patient-derived pediatric brain tumor models. *Nature Medicine*, **2018**, 24, 1752-1761	50.5	71
179	H3-/IDH-wild type pediatric glioblastoma is comprised of molecularly and prognostically distinct subtypes with associated oncogenic drivers. *Acta Neuropathologica*, **2017**, 134, 507-516	14.3	70
178	Differential expression and methylation of brain developmental genes define location-specific subsets of pilocytic astrocytoma. *Acta Neuropathologica*, **2013**, 126, 291-301	14.3	70
177	AKT1E17K mutations cluster with meningothelial and transitional meningiomas and can be detected by SFRP1 immunohistochemistry. *Acta Neuropathologica*, **2013**, 126, 757-62	14.3	69
176	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, 1049-58	3.1	68
175	Epithelioid glioblastomas stratify into established diagnostic subsets upon integrated molecular analysis. *Brain Pathology*, **2018**, 28, 656-662	6	65
174	Infant High-Grade Gliomas Comprise Multiple Subgroups Characterized by Novel Targetable Gene Fusions and Favorable Outcomes. *Cancer Discovery*, **2020**, 10, 942-963	24.4	65
173	Primary intracranial spindle cell sarcoma with rhabdomyosarcoma-like features share a highly distinct methylation profile and DICER1 mutations. *Acta Neuropathologica*, **2018**, 136, 327-337	14.3	63
172	Gliomatosis cerebri: no evidence for a separate brain tumor entity. *Acta Neuropathologica*, **2016**, 131, 309-319	14.3	59
171	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, 1630-8	7	59
170	Array-based DNA-methylation profiling in sarcomas with small blue round cell histology provides valuable diagnostic information. *Modern Pathology*, **2018**, 31, 1246-1256	9.8	58
169	Mechismo: predicting the mechanistic impact of mutations and modifications on molecular interactions. *Nucleic Acids Research*, **2015**, 43, e10	20.1	57
168	Biological and clinical heterogeneity of MYCN-amplified medulloblastoma. *Acta Neuropathologica*, **2012**, 123, 515-27	14.3	57
167	Evidence of H3 K27M mutations in posterior fossa ependymomas. *Acta Neuropathologica*, **2016**, 132, 635-7	14.3	55
166	MGMT CpG island is invariably methylated in adult astrocytic and oligodendroglial tumors with IDH1 or IDH2 mutations. *International Journal of Cancer*, **2012**, 131, 1104-13	7.5	55
165	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	55
164	Melanotic tumors of the nervous system are characterized by distinct mutational, chromosomal and epigenomic profiles. *Brain Pathology*, **2015**, 25, 202-8	6	54

163	An activated mutant BRAF kinase domain is sufficient to induce pilocytic astrocytoma in mice. *Journal of Clinical Investigation*, **2011**, 121, 1344-8	15.9	54
162	Next-generation (epi)genetic drivers of childhood brain tumours and the outlook for targeted therapies. *Lancet Oncology, The*, **2015**, 16, e293-302	21.7	53
161	Molecular characteristics and therapeutic vulnerabilities across paediatric solid tumours. *Nature Reviews Cancer*, **2019**, 19, 420-438	31.3	52
160	MYCN amplification drives an aggressive form of spinal ependymoma. *Acta Neuropathologica*, **2019**, 138, 1075-1089	14.3	51
159	Recurrent intragenic rearrangements of EGFR and BRAF in soft tissue tumors of infants. *Nature Communications*, **2018**, 9, 2378	17.4	50
158	Hypermutation of the inactive X chromosome is a frequent event in cancer. *Cell*, **2013**, 155, 567-81	56.2	50
157	Methylation array profiling of adult brain tumours: diagnostic outcomes in a large, single centre. *Acta Neuropathologica Communications*, **2019**, 7, 24	7.3	49
156	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. *Acta Neuropathologica Communications*, **2018**, 6, 117	7.3	48
155	Germline Elongator mutations in Sonic Hedgehog medulloblastoma. *Nature*, **2020**, 580, 396-401	50.4	47
154	Pediatric low-grade gliomas: implications of the biologic era. *Neuro-Oncology*, **2017**, 19, 750-761	1	47
153	Methylation profiling of choroid plexus tumors reveals 3 clinically distinct subgroups. *Neuro-Oncology*, **2016**, 18, 790-6	1	46
152	Genomic and transcriptomic analyses match medulloblastoma mouse models to their human counterparts. *Acta Neuropathologica*, **2014**, 128, 123-36	14.3	46
151	The molecular landscape of ETMR at diagnosis and relapse. *Nature*, **2019**, 576, 274-280	50.4	46
150	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	10.3	45
149	Medulloblastoma-associated DDX3 variant selectively alters the translational response to stress. *Oncotarget*, **2016**, 7, 28169-82	3.3	44
148	FBW7 suppression leads to SOX9 stabilization and increased malignancy in medulloblastoma. *EMBO Journal*, **2016**, 35, 2192-2212	13	44
147	Genomic footprints of activated telomere maintenance mechanisms in cancer. *Nature Communications*, **2020**, 11, 733	17.4	40
146	Adult grade II diffuse astrocytomas are genetically distinct from and more aggressive than their paediatric counterparts. *Acta Neuropathologica*, **2011**, 121, 753-61	14.3	40

145	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	24.3	40
144	YAP1 subgroup supratentorial ependymoma requires TEAD and nuclear factor I-mediated transcriptional programmes for tumorigenesis. *Nature Communications*, **2019**, 10, 3914	17.4	39
143	Defective DNA damage repair leads to frequent catastrophic genomic events in murine and human tumors. *Nature Communications*, **2018**, 9, 4760	17.4	37
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	14.3	36
141	Multicenter pilot study of radiochemotherapy as first-line treatment for adults with medulloblastoma (NOA-07). *Neuro-Oncology*, **2018**, 20, 400-410	1	36
140	Transitioning from genotypes to epigenotypes: why the time has come for medulloblastoma epigenomics. *Neuroscience*, **2014**, 264, 171-85	3.9	36
139	DNA methylation-based reclassification of olfactory neuroblastoma. *Acta Neuropathologica*, **2018**, 136, 255-271	14.3	35
138	From class waivers to precision medicine in paediatric oncology. *Lancet Oncology, The*, **2017**, 18, e394-e404	24.7	35
137	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	14.3	35
136	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	4.8	34
135	Cribriform neuroepithelial tumor: molecular characterization of a SMARCB1-deficient non-rhabdoid tumor with favorable long-term outcome. *Brain Pathology*, **2017**, 27, 411-418	6	34
134	Machine learning workflows to estimate class probabilities for precision cancer diagnostics on DNA methylation microarray data. *Nature Protocols*, **2020**, 15, 479-512	18.8	34
133	Telomere dysfunction and chromothripsis. *International Journal of Cancer*, **2016**, 138, 2905-14	7.5	34
132	Extensive Molecular and Clinical Heterogeneity in Patients With Histologically Diagnosed CNS-PNET Treated as a Single Entity: A Report From the Children's Oncology Group Randomized ACNS0332 Trial. *Journal of Clinical Oncology*, **2018**, JCO2017764720	2.2	34
131	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	14.3	33
130	WNT activation by lithium abrogates TP53 mutation associated radiation resistance in medulloblastoma. *Acta Neuropathologica Communications*, **2014**, 2, 174	7.3	32
129	Recurrent homozygous deletion of DROSHA and microduplication of PDE4DIP in pineoblastoma. *Nature Communications*, **2018**, 9, 2868	17.4	31
128	The role of chromatin remodeling in medulloblastoma. *Brain Pathology*, **2013**, 23, 193-9	6	31

127	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	2.5	30
126	Genomic profiling of Acute lymphoblastic leukemia in ataxia telangiectasia patients reveals tight link between ATM mutations and chromothripsis. *Leukemia*, **2017**, 31, 2048-2056	10.7	29
125	DNA methylation profiling distinguishes Ewing-like sarcoma with EWSR1-NFATc2 fusion from Ewing sarcoma. *Journal of Cancer Research and Clinical Oncology*, **2019**, 145, 1273-1281	4.9	29
124	Comparative integrated molecular analysis of intraocular medulloepitheliomas and central nervous system embryonal tumors with multilayered rosettes confirms that they are distinct nosologic entities. *Neuropathology*, **2015**, 35, 538-44	2	29
123	Histone H3.3G34-Mutant Interneuron Progenitors Co-opt PDGFRA for Gliomagenesis. *Cell*, **2020**, 183, 1617-1633.e22	56.2	29
122	Somatic mutations of DICER1 and KMT2D are frequent in intraocular medulloepitheliomas. *Genes Chromosomes and Cancer*, **2016**, 55, 418-27	5	29
121	EWSR1-PATZ1 gene fusion may define a new glioneuronal tumor entity. *Brain Pathology*, **2019**, 29, 53-626		29
120	FGFR1:TACC1 fusion is a frequent event in molecularly defined extraventricular neurocytoma. *Acta Neuropathologica*, **2018**, 136, 293-302	14.3	29
119	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	7.5	28
118	Whole exome sequencing reveals that the majority of schwannomatosis cases remain unexplained after excluding SMARCB1 and LZTR1 germline variants. *Acta Neuropathologica*, **2014**, 128, 449-52	14.3	28
117	Establishment and application of a novel patient-derived KIAA1549:BRAF-driven pediatric pilocytic astrocytoma model for preclinical drug testing. *Oncotarget*, **2017**, 8, 11460-11479	3.3	28
116	Papillary glioneuronal tumor (PGNT) exhibits a characteristic methylation profile and fusions involving PRKCA. *Acta Neuropathologica*, **2019**, 137, 837-846	14.3	28
115	Mutational patterns and regulatory networks in epigenetic subgroups of meningioma. *Acta Neuropathologica*, **2019**, 138, 295-308	14.3	27
114	Feasibility of real-time molecular profiling for patients with newly diagnosed glioblastoma without MGMT promoter hypermethylation-the NCT Neuro Master Match (N2M2) pilot study. *Neuro-Oncology*, **2018**, 20, 826-837	1	27
113	CDKN2A/B homozygous deletion is associated with early recurrence in meningiomas. *Acta Neuropathologica*, **2020**, 140, 409-413	14.3	26
112	The Senescence-associated Secretory Phenotype Mediates Oncogene-induced Senescence in Pediatric Pilocytic Astrocytoma. *Clinical Cancer Research*, **2019**, 25, 1851-1866	12.9	26
111	Arhgap36-dependent activation of Gli transcription factors. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 11061-6	11.5	25
110	Droplet digital PCR is a powerful technique to demonstrate frequent FGFR1 duplication in dysembryoplastic neuroepithelial tumors. *Oncotarget*, **2017**, 8, 2104-2113	3.3	25

109	Papillary Tumor of the Pineal Region: A Distinct Molecular Entity. *Brain Pathology*, **2016**, 26, 199-205	6	25
108	TelomereHunter - in silico estimation of telomere content and composition from cancer genomes. *BMC Bioinformatics*, **2019**, 20, 272	3.6	24
107	EGFL7 enhances surface expression of integrin 1to promote angiogenesis in malignant brain tumors. *EMBO Molecular Medicine*, **2018**, 10,	12	24
106	Voxel-wise radiogenomic mapping of tumor location with key molecular alterations in patients with glioma. *Neuro-Oncology*, **2018**, 20, 1517-1524	1	24
105	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	14.3	24
104	YAP1-fusions in pediatric NF2-wildtype meningioma. *Acta Neuropathologica*, **2020**, 139, 215-218	14.3	24
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