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List of Publications by Citations

229 papers	25,277 citations	79 h-index	157 g-index
248 ext. papers	31,039 ext. citations	13.5 avg, IF	5.85 L-index

#	Paper	IF	Citations
229	Driver mutations in histone H3.3 and chromatin remodelling genes in paediatric glioblastoma. *Nature*, **2012**, 482, 226-31	50.4	1655
228	Hotspot mutations in H3F3A and IDH1 define distinct epigenetic and biological subgroups of glioblastoma. *Cancer Cell*, **2012**, 22, 425-37	24.3	1243
227	DNA methylation-based classification of central nervous system tumours. *Nature*, **2018**, 555, 469-474	50.4	992
226	K27M mutation in histone H3.3 defines clinically and biologically distinct subgroups of pediatric diffuse intrinsic pontine gliomas. *Acta Neuropathologica*, **2012**, 124, 439-47	14.3	629
225	Dissecting the genomic complexity underlying medulloblastoma. *Nature*, **2012**, 488, 100-5	50.4	623
224	Genome sequencing of pediatric medulloblastoma links catastrophic DNA rearrangements with TP53 mutations. *Cell*, **2012**, 148, 59-71	56.2	600
223	Subgroup-specific structural variation across 1,000 medulloblastoma genomes. *Nature*, **2012**, 488, 49-56	50.4	596
222	Recurrent somatic alterations of FGFR1 and NTRK2 in pilocytic astrocytoma. *Nature Genetics*, **2013**, 45, 927-32	36.3	550
221	Immune Checkpoint Inhibition for Hypermutant Glioblastoma Multiforme Resulting From Germline Biallelic Mismatch Repair Deficiency. *Journal of Clinical Oncology*, **2016**, 34, 2206-11	2.2	537
220	Intertumoral Heterogeneity within Medulloblastoma Subgroups. *Cancer Cell*, **2017**, 31, 737-754.e6	24.3	511
219	New Brain Tumor Entities Emerge from Molecular Classification of CNS-PNETs. *Cell*, **2016**, 164, 1060-1072	56.2	483
218	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
217	The whole-genome landscape of medulloblastoma subtypes. *Nature*, **2017**, 547, 311-317	50.4	472
216	Genome sequencing of SHH medulloblastoma predicts genotype-related response to smoothened inhibition. *Cancer Cell*, **2014**, 25, 393-405	24.3	469
215	Epigenomic alterations define lethal CIMP-positive ependymomas of infancy. *Nature*, **2014**, 506, 445-50	50.4	434
214	Phosphoinositide 3-kinase gene mutation predisposes to respiratory infection and airway damage. *Science*, **2013**, 342, 866-71	33.3	424
213	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

212	Paediatric and adult glioblastoma: multiform (epi)genomic culprits emerge. *Nature Reviews Cancer*, **2014**, 14, 92-107	31.3	383
211	Griscelli disease maps to chromosome 15q21 and is associated with mutations in the myosin-Va gene. *Nature Genetics*, **1997**, 16, 289-92	36.3	372
210	Clonal selection drives genetic divergence of metastatic medulloblastoma. *Nature*, **2012**, 482, 529-33	50.4	322
209	Natural resistance to intracellular infections: natural resistance-associated macrophage protein 1 (Nramp1) functions as a pH-dependent manganese transporter at the phagosomal membrane. *Journal of Experimental Medicine*, **2000**, 192, 1237-48	16.6	322
208	Atypical Teratoid/Rhabdoid Tumors Are Comprised of Three Epigenetic Subgroups with Distinct Enhancer Landscapes. *Cancer Cell*, **2016**, 29, 379-393	24.3	319
207	Recurrent somatic mutations in ACVR1 in pediatric midline high-grade astrocytoma. *Nature Genetics*, **2014**, 46, 462-6	36.3	296
206	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
205	Subgroup-specific prognostic implications of TP53 mutation in medulloblastoma. *Journal of Clinical Oncology*, **2013**, 31, 2927-35	2.2	290
204	What can exome sequencing do for you?. *Journal of Medical Genetics*, **2011**, 48, 580-9	5.8	263
203	Early and prolonged intravenous immunoglobulin replacement therapy in childhood agammaglobulinemia: a retrospective survey of 31 patients. *Journal of Pediatrics*, **1999**, 134, 589-96	3.6	245
202	Utility of whole-exome sequencing for those near the end of the diagnostic odyssey: time to address gaps in care. *Clinical Genetics*, **2016**, 89, 275-84	4	243
201	Recurrence patterns across medulloblastoma subgroups: an integrated clinical and molecular analysis. *Lancet Oncology, The*, **2013**, 14, 1200-7	21.7	226
200	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
199	Histone H3K36 mutations promote sarcomagenesis through altered histone methylation landscape. *Science*, **2016**, 352, 844-9	33.3	219
198	Divergent clonal selection dominates medulloblastoma at recurrence. *Nature*, **2016**, 529, 351-7	50.4	206
197	Mutations in SETD2 and genes affecting histone H3K36 methylation target hemispheric high-grade gliomas. *Acta Neuropathologica*, **2013**, 125, 659-69	14.3	201
196	Cytogenetic prognostication within medulloblastoma subgroups. *Journal of Clinical Oncology*, **2014**, 32, 886-96	2.2	199
195	Frequency and Severity of Central Nervous System Lesions in Hemophagocytic Lymphohistiocytosis. *Blood*, **1997**, 89, 794-800	2.2	197

194	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
193	BRAF-KIAA1549 fusion predicts better clinical outcome in pediatric low-grade astrocytoma. *Clinical Cancer Research*, **2011**, 17, 4790-8	12.9	178
192	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
191	Molecular profiling identifies prognostic subgroups of pediatric glioblastoma and shows increased YB-1 expression in tumors. *Journal of Clinical Oncology*, **2007**, 25, 1196-208	2.2	172
190	The histone mark H3K36me2 recruits DNMT3A and shapes the intergenic DNA methylation landscape. *Nature*, **2019**, 573, 281-286	50.4	161
189	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
188	Pediatric and adult sonic hedgehog medulloblastomas are clinically and molecularly distinct. *Acta Neuropathologica*, **2011**, 122, 231-40	14.3	159
187	MYB-QKI rearrangements in angiocentric glioma drive tumorigenicity through a tripartite mechanism. *Nature Genetics*, **2016**, 48, 273-82	36.3	154
186	Therapeutic and Prognostic Implications of BRAF V600E in Pediatric Low-Grade Gliomas. *Journal of Clinical Oncology*, **2017**, 35, 2934-2941	2.2	153
185	Spatial and temporal homogeneity of driver mutations in diffuse intrinsic pontine glioma. *Nature Communications*, **2016**, 7, 11185	17.4	152
184	Nramp 2 (DCT1/DMT1) expressed at the plasma membrane transports iron and other divalent cations into a calcein-accessible cytoplasmic pool. *Journal of Biological Chemistry*, **2000**, 275, 35738-45	5.4	152
183	Childhood cerebellar tumours mirror conserved fetal transcriptional programs. *Nature*, **2019**, 572, 67-73	50.4	149
182	Central nervous system atypical teratoid rhabdoid tumours: the Canadian Paediatric Brain Tumour Consortium experience. *European Journal of Cancer*, **2012**, 48, 353-9	7.5	146
181	Duplication of 7q34 is specific to juvenile pilocytic astrocytomas and a hallmark of cerebellar and optic pathway tumours. *British Journal of Cancer*, **2009**, 101, 722-33	8.7	141
180	Integrated (epi)-Genomic Analyses Identify Subgroup-Specific Therapeutic Targets in CNS Rhabdoid Tumors. *Cancer Cell*, **2016**, 30, 891-908	24.3	135
179	Impaired H3K36 methylation defines a subset of head and neck squamous cell carcinomas. *Nature Genetics*, **2017**, 49, 180-185	36.3	132
178	CTP synthase 1 deficiency in humans reveals its central role in lymphocyte proliferation. *Nature*, **2014**, 510, 288-92	50.4	131
177	Fusion of TTYH1 with the C19MC microRNA cluster drives expression of a brain-specific DNMT3B isoform in the embryonal brain tumor ETMR. *Nature Genetics*, **2014**, 46, 39-44	36.3	131

176	Preclinical evaluation of radiation and perifosine in a genetically and histologically accurate model of brainstem glioma. *Cancer Research*, **2010**, 70, 2548-57	10.1	127
175	Linkage of familial hemophagocytic lymphohistiocytosis to 10q21-22 and evidence for heterogeneity. *American Journal of Human Genetics*, **1999**, 64, 172-9	11	126
174	Pediatric high-grade glioma: biologically and clinically in need of new thinking. *Neuro-Oncology*, **2017**, 19, 153-161	1	125
173	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
172	H3.3 Cooperates with Trp53 Loss and PDGFRA Gain in Mouse Embryonic Neural Progenitor Cells to Induce Invasive High-Grade Gliomas. *Cancer Cell*, **2017**, 32, 684-700.e9	24.3	121
171	Invasive pulmonary infection due to Scedosporium apiospermum in two children with chronic granulomatous disease. *Clinical Infectious Diseases*, **1998**, 27, 1437-41	11.6	120
170	Molecular subgroups of atypical teratoid rhabdoid tumours in children: an integrated genomic and clinicopathological analysis. *Lancet Oncology, The*, **2015**, 16, 569-82	21.7	117
169	Therapeutic targeting of ependymoma as informed by oncogenic enhancer profiling. *Nature*, **2018**, 553, 101-105	50.4	116
168	TERT promoter mutations are highly recurrent in SHH subgroup medulloblastoma. *Acta Neuropathologica*, **2013**, 126, 917-29	14.3	115
167	Immunohistochemical analysis of H3K27me3 demonstrates global reduction in group-A childhood posterior fossa ependymoma and is a powerful predictor of outcome. *Acta Neuropathologica*, **2017**, 134, 705-714	14.3	114
166	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
165	Human RTEL1 deficiency causes Hoyeraal-Hreidarsson syndrome with short telomeres and genome instability. *Human Molecular Genetics*, **2013**, 22, 3239-49	5.6	113
164	Whole-exome sequencing identifies Coronin-1A deficiency in 3 siblings with immunodeficiency and EBV-associated B-cell lymphoproliferation. *Journal of Allergy and Clinical Immunology*, **2013**, 131, 1594-603	11.5	111
163	A recurrent PDGFRB mutation causes familial infantile myofibromatosis. *American Journal of Human Genetics*, **2013**, 92, 996-1000	11	108
162	Treatment of Familial Hemophagocytic Lymphohistiocytosis With Bone Marrow Transplantation From HLA Genetically Nonidentical Donors. *Blood*, **1997**, 90, 4743-4748	2.2	106
161	Phase II Weekly Vinblastine for Chemotherapy-Naïve Children With Progressive Low-Grade Glioma: A Canadian Pediatric Brain Tumor Consortium Study. *Journal of Clinical Oncology*, **2016**, 34, 3537-3543	2.2	105
160	Germline and somatic FGFR1 abnormalities in dysembryoplastic neuroepithelial tumors. *Acta Neuropathologica*, **2016**, 131, 847-63	14.3	105
159	H3K27M induces defective chromatin spread of PRC2-mediated repressive H3K27me2/me3 and is essential for glioma tumorigenesis. *Nature Communications*, **2019**, 10, 1262	17.4	104

158	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
157	Unexpected allelic heterogeneity and spectrum of mutations in Fowler syndrome revealed by next-generation exome sequencing. *Human Mutation*, **2010**, 31, 918-23	4.7	100
156	Specific detection of methionine 27 mutation in histone 3 variants (H3K27M) in fixed tissue from high-grade astrocytomas. *Acta Neuropathologica*, **2014**, 128, 733-41	14.3	96
155	A multi-disciplinary consensus statement concerning surgical approaches to low-grade, high-grade astrocytomas and diffuse intrinsic pontine gliomas in childhood (CPN Paris 2011) using the Delphi method. *Neuro-Oncology*, **2013**, 15, 462-8	1	93
154	FOXP3 forkhead domain mutation and regulatory T cells in the IPEX syndrome. *New England Journal of Medicine*, **2009**, 361, 1710-3	59.2	91
153	New technologies for the detection of circulating tumour cells. *British Medical Bulletin*, **2010**, 94, 49-64	5.4	89
152	Spatial heterogeneity in medulloblastoma. *Nature Genetics*, **2017**, 49, 780-788	36.3	80
151	Circulating tumor cells: detection, molecular profiling and future prospects. *Expert Review of Proteomics*, **2007**, 4, 741-56	4.2	80
150	A new gene involved in DNA double-strand break repair and V(D)J recombination is located on human chromosome 10p. *Human Molecular Genetics*, **2000**, 9, 583-8	5.6	79
149	Tissue factor expression provokes escape from tumor dormancy and leads to genomic alterations. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 3544-9	11.5	78
148	ETMR-17. SINGLE-CELL TRANSCRIPTOME ANALYSIS OF ETMR PATIENT SAMPLES. *Neuro-Oncology*, **2020**, 22, iii326-iii326	1	78
147	LGG-35. FUNCTIONAL GENOMIC APPROACHES TO IDENTIFY THERAPEUTIC TARGETS IN MYB AND MYBL1 EXPRESSING PEDIATRIC LOW-GRADE GLIOMAS. *Neuro-Oncology*, **2020**, 22, iii373-iii373	1	78
146	Recurrent noncoding U1 snRNA mutations drive cryptic splicing in SHH medulloblastoma. *Nature*, **2019**, 574, 707-711	50.4	78
145	PFA ependymoma-associated protein EZHIP inhibits PRC2 activity through a H3 K27M-like mechanism. *Nature Communications*, **2019**, 10, 2146	17.4	76
144	Pediatric low-grade gliomas: next biologically driven steps. *Neuro-Oncology*, **2018**, 20, 160-173	1	76
143	Germline HAVCR2 mutations altering TIM-3 characterize subcutaneous panniculitis-like T cell lymphomas with hemophagocytic lymphohistiocytic syndrome. *Nature Genetics*, **2018**, 50, 1650-1657	36.3	74
142	Differential expression and methylation of brain developmental genes define location-specific subsets of pilocytic astrocytoma. *Acta Neuropathologica*, **2013**, 126, 291-301	14.3	70
141	Nramp1 modifies the fusion of Salmonella typhimurium-containing vacuoles with cellular endomembranes in macrophages. *Journal of Biological Chemistry*, **2002**, 277, 2258-65	5.4	68

140	Attitudes of parents toward the return of targeted and incidental genomic research findings in children. *Genetics in Medicine*, **2014**, 16, 633-40	8.1	67
139	Protein truncation test of LYST reveals heterogenous mutations in patients with Chediak-Higashi syndrome. *Blood*, **2000**, 95, 979-83	2.2	65
138	MLL5 Orchestrates a Cancer Self-Renewal State by Repressing the Histone Variant H3.3 and Globally Reorganizing Chromatin. *Cancer Cell*, **2015**, 28, 715-729	24.3	64
137	Chromatin remodeling defects in pediatric and young adult glioblastoma: a tale of a variant histone 3 tail. *Brain Pathology*, **2013**, 23, 210-6	6	64
136	Molecular characterization of choroid plexus tumors reveals novel clinically relevant subgroups. *Clinical Cancer Research*, **2015**, 21, 184-92	12.9	63
135	Inhibition of medulloblastoma cell invasion by Slit. *Oncogene*, **2006**, 25, 5103-12	9.2	62
134	Genome-wide profiling using single-nucleotide polymorphism arrays identifies novel chromosomal imbalances in pediatric glioblastomas. *Neuro-Oncology*, **2010**, 12, 153-63	1	60
133	Diffuse intrinsic pontine gliomas-current management and new biologic insights. Is there a glimmer of hope?. *Neuro-Oncology*, **2017**, 19, 1025-1034	1	58
132	Stalled developmental programs at the root of pediatric brain tumors. *Nature Genetics*, **2019**, 51, 1702-1713	30.5	58
131	Barriers to horizontal cell transformation by extracellular vesicles containing oncogenic H-ras. *Oncotarget*, **2016**, 7, 51991-52002	3.3	57
130	Iron transporter Nramp2/DMT-1 is associated with the membrane of phagosomes in macrophages and Sertoli cells. *Blood*, **2002**, 100, 2617-22	2.2	56
129	Gene expression profiling from formalin-fixed paraffin-embedded tumors of pediatric glioblastoma. *Clinical Cancer Research*, **2007**, 13, 6284-92	12.9	55
128	Frequency and severity of central nervous system lesions in hemophagocytic lymphohistiocytosis. *Blood*, **1997**, 89, 794-800	2.2	54
127	Pervasive H3K27 Acetylation Leads to ERV Expression and a Therapeutic Vulnerability in H3K27M Gliomas. *Cancer Cell*, **2019**, 35, 782-797.e8	24.3	52
126	Trametinib for progressive pediatric low-grade gliomas. *Journal of Neuro-Oncology*, **2018**, 140, 435-444	4.8	52
125	Severe combined immunodeficiency caused by deficiency in either the delta or the epsilon subunit of CD3. *Journal of Clinical Investigation*, **2004**, 114, 1512-7	15.9	52
124	Interaction of HIV gp120 and anti-CD4 antibodies with the CD4 molecule on human CD4+ T cells inhibits the binding activity of NF-AT, NF-kappa B and AP-1, three nuclear factors regulating interleukin-2 gene enhancer activity. *European Journal of Immunology*, **1994**, 24, 2646-52	6.1	51
123	Pediatric low-grade gliomas: implications of the biologic era. *Neuro-Oncology*, **2017**, 19, 750-761	1	47

122	A Hematogenous Route for Medulloblastoma Leptomeningeal Metastases. *Cell*, **2018**, 172, 1050-1062.e14	36.2	46
121	Inhibition of Y-box binding protein-1 slows the growth of glioblastoma multiforme and sensitizes to temozolomide independent O6-methylguanine-DNA methyltransferase. *Molecular Cancer Therapeutics*, **2009**, 8, 3276-84	6.1	46
120	Prevention of EBV-induced B-lymphoproliferative disorder by ex vivo marrow B-cell depletion in HLA-phenoidentical or non-identical T-depleted bone marrow transplantation. *British Journal of Haematology*, **1998**, 103, 543-51	4.5	46
119	The molecular landscape of ETMR at diagnosis and relapse. *Nature*, **2019**, 576, 274-280	50.4	46
118	X-linked primary immunodeficiency associated with hemizygous mutations in the moesin (MSN) gene. *Journal of Allergy and Clinical Immunology*, **2016**, 138, 1681-1689.e8	11.5	45
117	CD4 ligands inhibit the formation of multifunctional transduction complexes involved in T cell activation. *Journal of Immunology*, **1997**, 158, 94-103	5.3	44
116	Correction of Fas (CD95) deficiency by haploidentical bone marrow transplantation. *European Journal of Immunology*, **1997**, 27, 2043-7	6.1	42
115	Iron chelators modulate the fusogenic properties of Salmonella-containing phagosomes. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 6127-32	11.5	42
114	A phase 2 study of trametinib for patients with pediatric glioma or plexiform neurofibroma with refractory tumor and activation of the MAPK/ERK pathway: TRAM-01. *BMC Cancer*, **2019**, 19, 1250	4.8	42
113	Attitudes of Canadian researchers toward the return to participants of incidental and targeted genomic findings obtained in a pediatric research setting. *Genetics in Medicine*, **2013**, 15, 558-64	8.1	41
112	Preclinical target validation using patient-derived cells. *Nature Reviews Drug Discovery*, **2015**, 14, 149-50	64.1	40
111	Metabolic Regulation of the Epigenome Drives Lethal Infantile Ependymoma. *Cell*, **2020**, 181, 1329-1345.e24	36.2	40
110	A C19MC-LIN28A-MYCN Oncogenic Circuit Driven by Hijacked Super-enhancers Is a Distinct Therapeutic Vulnerability in ETMRs: A Lethal Brain Tumor. *Cancer Cell*, **2019**, 36, 51-67.e7	24.3	39
109	Alternative lengthening of telomeres is enriched in, and impacts survival of TP53 mutant pediatric malignant brain tumors. *Acta Neuropathologica*, **2014**, 128, 853-62	14.3	38
108	Impact of HLA matching on outcome of hematopoietic stem cell transplantation in children with inherited diseases: a single-center comparative analysis of genoidentical, haploidentical or unrelated donors. *Bone Marrow Transplantation*, **2004**, 33, 1089-95	4.4	36
107	Molecular analyses reveal close similarities between small cell carcinoma of the ovary, hypercalcemic type and atypical teratoid/rhabdoid tumor. *Oncotarget*, **2016**, 7, 1732-40	3.3	36
106	Spinal Myxopapillary Ependymomas Demonstrate a Warburg Phenotype. *Clinical Cancer Research*, **2015**, 21, 3750-8	12.9	35
105	Preponderance of sonic hedgehog pathway activation characterizes adult medulloblastoma. *Acta Neuropathologica*, **2011**, 121, 229-39	14.3	34

104	Lymphoproliferative disorders in children with primary immunodeficiencies: immunological status may be more predictive of the outcome than other criteria. *Histopathology*, **2001**, 38, 146-59	7.3	33
103	White matter and information processing speed following treatment with cranial-spinal radiation for pediatric brain tumor. *Neuropsychology*, **2016**, 30, 425-38	3.8	33
102	Bone marrow transplantation from genetically HLA-nonidentical donors in children with fatal inherited disorders excluding severe combined immunodeficiencies: use of two monoclonal antibodies to prevent graft rejection. *Pediatrics*, **1996**, 98, 420-8	7.4	33
101	H3 K27M and EZHIP Impede H3K27-Methylation Spreading by Inhibiting Allosterically Stimulated PRC2. *Molecular Cell*, **2020**, 80, 726-735.e7	17.6	32
100	An inherited immunoglobulin class-switch recombination deficiency associated with a defect in the INO80 chromatin remodeling complex. *Journal of Allergy and Clinical Immunology*, **2015**, 135, 998-1007.e6	11.5	30
99	TRPV4 and KRAS and FGFR1 gain-of-function mutations drive giant cell lesions of the jaw. *Nature Communications*, **2018**, 9, 4572	17.4	30
98	Atypical teratoid rhabdoid tumor in the first year of life: the Canadian ATRT registry experience and review of the literature. *Journal of Neuro-Oncology*, **2017**, 132, 155-162	4.8	29
97	Epigenetic dysregulation: a novel pathway of oncogenesis in pediatric brain tumors. *Acta Neuropathologica*, **2014**, 128, 615-27	14.3	29
96	Histone H3.3G34-Mutant Interneuron Progenitors Co-opt PDGFRA for Gliomagenesis. *Cell*, **2020**, 183, 1617-1633.e22	56.2	29
95	Tissue Factor Regulation by miR-520g in Primitive Neuronal Brain Tumor Cells: A Possible Link between Oncomirs and the Vascular Tumor Microenvironment. *American Journal of Pathology*, **2016**, 186, 446-59	5.8	28
94	gp160 of HIV or anti-CD4 monoclonal antibody ligation of CD4 induces inhibition of JNK and ERK-2 activities in human peripheral CD4+ T lymphocytes. *European Journal of Immunology*, **1997**, 27, 397-404	6.1	28
93	Isolation of a natural inhibitor of human malignant glial cell invasion: inter alpha-trypsin inhibitor heavy chain 2. *Cancer Research*, **2006**, 66, 1464-72	10.1	28
92	Pineoblastoma segregates into molecular sub-groups with distinct clinico-pathologic features: a Rare Brain Tumor Consortium registry study. *Acta Neuropathologica*, **2020**, 139, 223-241	14.3	28
91	EZH2 expression is a prognostic factor in childhood intracranial ependymoma: a Canadian Pediatric Brain Tumor Consortium study. *Cancer*, **2015**, 121, 1499-507	6.4	27
90	Long-term therapy with aerosolized ribavirin for parainfluenza 3 virus respiratory tract infection in an infant with severe combined immunodeficiency. *Pediatric Transplantation*, **2007**, 11, 209-13	1.8	26
89	Histone H3.3 G34 mutations promote aberrant PRC2 activity and drive tumor progression. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 27354-27364	11.5	26
88	Sam68 association with p120GAP in CD4+ T cells is dependent on CD4 molecule expression. *Journal of Immunology*, **1998**, 161, 2798-803	5.3	26
87	YAP1-fusions in pediatric NF2-wildtype meningioma. *Acta Neuropathologica*, **2020**, 139, 215-218	14.3	24

86	Characterizing temporal genomic heterogeneity in pediatric high-grade gliomas. *Acta Neuropathologica Communications*, **2017**, 5, 78	7.3	23
85	Mutant H3 histones drive human pre-leukemic hematopoietic stem cell expansion and promote leukemic aggressiveness. *Nature Communications*, **2019**, 10, 2891	17.4	23
84	Extracellular vesicles as prospective carriers of oncogenic protein signatures in adult and paediatric brain tumours. *Proteomics*, **2013**, 13, 1595-607	4.8	22
83	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	22
82	Treatment of familial hemophagocytic lymphohistiocytosis with bone marrow transplantation from HLA genetically nonidentical donors. *Blood*, **1997**, 90, 4743-8	2.2	21
81	Molecular Profiling of Hard-to-Treat Childhood and Adolescent Cancers. *JAMA Network Open*, **2019**, 2, e192906	10.4	18
80	Ligands of CD4 inhibit the association of phospholipase Cgamma1 with phosphoinositide 3 kinase in T cells: regulation of this association by the phosphoinositide 3 kinase activity. *European Journal of Immunology*, **1998**, 28, 3183-91	6.1	18
79	Pediatric high-grade astrocytomas: a distinct neuro-oncological paradigm. *Genome Medicine*, **2013**, 5, 66	14.4	17
78	Reduced in vitro functional activity of human NRAMP1 (SLC11A1) allele that predisposes to increased risk of pediatric tuberculosis disease. *Genes and Immunity*, **2007**, 8, 691-8	4.4	17
77	Dual targeting of polyamine synthesis and uptake in diffuse intrinsic pontine gliomas. *Nature Communications*, **2021**, 12, 971	17.4	17
76	Sustained complete response of recurrent glioblastoma to combined checkpoint inhibition in a young patient with constitutional mismatch repair deficiency. *Pediatric Blood and Cancer*, **2018**, 65, e27389	3	17
75	Pediatric glioblastoma cell line shows different patterns of expression of transmembrane ABC transporters after in vitro exposure to vinblastine. *Childs Nervous System*, **2009**, 25, 39-45	1.7	16
74	ZFTA-RELA Dictates Oncogenic Transcriptional Programs to Drive Aggressive Supratentorial Ependymoma. *Cancer Discovery*, **2021**, 11, 2200-2215	24.4	16
73	The role of resection alone in select children with intracranial ependymoma: the Canadian Pediatric Brain Tumour Consortium experience. *Childs Nervous System*, **2015**, 31, 57-65	1.7	15
72	A Novel Method for Rapid Molecular Subgrouping of Medulloblastoma. *Clinical Cancer Research*, **2018**, 24, 1355-1363	12.9	15
71	Iron refractory iron deficiency anemia: presentation with hyperferritinemia and response to oral iron therapy. *Pediatrics*, **2013**, 131, e620-5	7.4	15
70	Intestinal neoplasia induced by low dietary folate is associated with altered tumor expression profiles and decreased apoptosis in mouse normal intestine. *Journal of Nutrition*, **2009**, 139, 488-94	4.1	15
69	Diffuse glioneuronal tumour with oligodendroglioma-like features and nuclear clusters (DGONC) - a molecularly defined glioneuronal CNS tumour class displaying recurrent monosomy 14. *Neuropathology and Applied Neurobiology*, **2020**, 46, 422-430	5.2	15

68	H3K27M in Gliomas Causes a One-Step Decrease in H3K27 Methylation and Reduced Spreading within the Constraints of H3K36 Methylation. *Cell Reports*, **2020**, 33, 108390	10.6	14
67	H3.3 G34W Promotes Growth and Impedes Differentiation of Osteoblast-Like Mesenchymal Progenitors in Giant Cell Tumor of Bone. *Cancer Discovery*, **2020**, 10, 1968-1987	24.4	14
66	The Power of Human Cancer Genetics as Revealed by Low-Grade Gliomas. *Annual Review of Genetics*, **2019**, 53, 483-503	14.5	14
65	Glioblastoma cell populations with distinct oncogenic programs release podoplanin as procoagulant extracellular vesicles. *Blood Advances*, **2021**, 5, 1682-1694	7.8	13
64	Methylome analysis and whole-exome sequencing reveal that brain tumors associated with encephalocraniocutaneous lipomatosis are midline pilocytic astrocytomas. *Acta Neuropathologica*, **2018**, 136, 657-660	14.3	12
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