David A Solomon

List of Publications by Year
in descending order

122 papers	6,046 citations	76196 40 h-index	82410 72 g-index
126 all docs	126 docs citations	126 times ranked	9317 citing authors

#	Article	IF	Citations
1	EWSR1-BEND2 fusion defines an epigenetically distinct subtype of astroblastoma. Acta Neuropathologica, 2022, 143, 109-113.	3.9	11
2	Intracranial mesenchymal tumors with FETâ€CREB fusion are composed of at least two epigenetic subgroups distinct from meningioma and extracranial sarcomas. Brain Pathology, 2022, 32, e13037.	2.1	11
3	High-grade glioma with pleomorphic and pseudopapillary features (HPAP): a proposed type of circumscribed glioma in adults harboring frequent TP53 mutations and recurrent monosomy 13. Acta Neuropathologica, 2022, 143, 403-414.	3.9	13
4	A genetically distinct pediatric subtype of primary CNS large B-cell lymphoma is associated with favorable clinical outcome. Blood Advances, 2022, 6, 3189-3193.	2.5	7
5	PI3K/AKT/mTOR signaling pathway activity in IDH-mutant diffuse glioma and clinical implications. Neuro-Oncology, 2022, 24, 1471-1481.	0.6	14
6	Prospective genomically guided identification of â€œearly/evolvingâ€• and â€œundersampledâ€•IDH-wildtype glioblastoma leads to improved clinical outcomes. Neuro-Oncology, 2022, 24, 1749-1762.	0.6	10
7	Activating NTRK2 and ALK receptor tyrosine kinase fusions extend the molecular spectrum of pleomorphic xanthoastrocytomas of early childhood: a diagnostic overlap with infant-type hemispheric glioma. Acta Neuropathologica, 2022, 143, 283-286.	3.9	5
8	Combining radiomics and deep convolutional neural network features from preoperative MRI for predicting clinically relevant genetic biomarkers in glioblastoma. Neuro-Oncology Advances, 2022, 4, .	0.4	22
9	Meningioma DNA methylation groups identify biological drivers and therapeutic vulnerabilities. Nature Genetics, 2022, 54, 649-659.	9.4	93
10	CXCL14 Promotes a Robust Brain Tumor-Associated Immune Response in Glioma. Clinical Cancer Research, 2022, 28, 2898-2910.	3.2	16
11	Recurrent ACVR1 mutations in posterior fossa ependymoma. Acta Neuropathologica, 2022, 144, 373-376.	3.9	7
12	OTHR-41. Amplification of the PLAG family genes â€“ PLAGL1 and PLAGL2 â€“ is a key feature of a novel embryonal CNS tumor type. Neuro-Oncology, 2022, 24, i156-i156.	0.6	1
13	ETMR-06. Molecular and clinical characteristics of CNS tumors withBCOR(L1) fusion/internal tandem duplication. Neuro-Oncology, 2022, 24, i50-i50.	0.6	2
14	Targeted Next-Generation Sequencing Reveals Divergent Clonal Evolution in Components of Composite Pleomorphic Xanthoastrocytoma-Ganglioglioma. Journal of Neuropathology and Experimental Neurology, 2022, 81, 650-657.	0.9	5
15	Intratumor and informatic heterogeneity influence meningioma molecular classification. Acta Neuropathologica, 2022, 144, 579-583.	3.9	10
16	A Prognostic Gene-Expression Signature and Risk Score for Meningioma Recurrence After Resection. Neurosurgery, 2021, 88, 202-210.	0.6	19
17	Intracranial mesenchymal tumor with FETâ€CREB fusionâ€”A unifying diagnosis for the spectrum of intracranial myxoid mesenchymal tumors and angiomatoid fibrous histiocytomaâ€like neoplasms. Brain Pathology, 2021, 31, e12918.	2.1	44
18	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

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19	Temozolomide-induced hypermutation is associated with distant recurrence and reduced survival after high-grade transformation of low-grade IDH-mutant gliomas. Neuro-Oncology, 2021, 23, 1872-1884.	0.6	48
20	Molecular characterisation of sporadic endolymphatic sac tumours and comparison to von Hippelâ€“Lindau diseaseâ€related tumours. Neuropathology and Applied Neurobiology, 2021, 47, 756-767.	1.8	2
21	Sarcomatous Meningioma: Diagnostic Pitfalls and the Utility of Molecular Testing. Journal of Neuropathology and Experimental Neurology, 2021, 80, 764-768.	0.9	4
22	Low-grade glioneuronal tumors with FGFR2 fusion resolve into a single epigenetic group corresponding to â€˜Polymorphous low-grade neuroepithelial tumor of the youngâ€™. Acta Neuropathologica, 2021, 142, 595-599.	3.9	16
23	Deconvoluting Mechanisms of Acquired Resistance to RAF Inhibitors in BRAFV600E-Mutant Human Glioma. Clinical Cancer Research, 2021, 27, 6197-6208.	3.2	20
24	Tumor DNA requirements for accurate epigenetic-based classification of CNS neoplasia. Neuro-Oncology, 2021, 23, 1798-1800.	0.6	2
25	A multicenter analysis of the prognostic value of histone H3 K27M mutation in adult high-grade spinal glioma. Journal of Neurosurgery: Spine, 2021, 35, 834-843.	0.9	13
26	Diffuse hemispheric glioma, H3 G34-mutant: Genomic landscape of a new tumor entity and prospects for targeted therapy. Neuro-Oncology, 2021, 23, 1974-1976.	0.6	12
27	Eye-sparing Treatment of Localized Orbital Medulloepithelioma With Neoadjuvant Chemoradiation. Ophthalmic Plastic and Reconstructive Surgery, 2021, 37, e13-e16.	0.4	1
28	Systemic and Craniospinal Rosai Dorfman Disease with Intraparenchymal, Intramedullary and Leptomeningeal Disease. International Journal of Hematology-Oncology and Stem Cell Research, 2021, 15, 260-264.	0.3	0
29	Genetic and epigenetic characterization of posterior pituitary tumors. Acta Neuropathologica, 2021, 142, 1025-1043.	3.9	7
30	Adjuvant Maintenance Larotrectinib Therapy in 2 Children With NTRK Fusion-positive High-grade Cancers. Journal of Pediatric Hematology/Oncology, 2021, 43, e987-e990.	0.3	4
31	Highâ€grade neuroepithelial tumor with BCOR exon 15 internal tandem duplicationâ€”a comprehensive clinical, radiographic, pathologic, and genomic analysis. Brain Pathology, 2020, 30, 46-62.	2.1	69
32	Myxoid glioneuronal tumor, PDGFRA p.K385â€mutant: clinical, radiologic, and histopathologic features. Brain Pathology, 2020, 30, 479-494.	2.1	46
33	A review of recently described genetic alterations in central nervous system tumors. Human Pathology, 2020, 96, 56-66.	1.1	8
34	Loss of H3K27 trimethylation by immunohistochemistry is frequent in oligodendroglioma, IDH-mutant and 1p/19q-codeleted, but is neither a sensitive nor a specific marker. Acta Neuropathologica, 2020, 139, 597-600.	3.9	9
35	Multiregion exome sequencing of ovarian immature teratomas reveals 2N near-diploid genomes, paucity of somatic mutations, and extensive allelic imbalances shared across mature, immature, and disseminated components. Modern Pathology, 2020, 33, 1193-1206.	2.9	25
36	Clinicopathologic and molecular features of intracranial desmoplastic small round cell tumors. Brain Pathology, 2020, 30, 213-225.	2.1	20

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37	Next-Generation Sequencing of Retinoblastoma Identifies Pathogenic Alterations beyond RB1 Inactivation That Correlate with Aggressive Histopathologic Features. Ophthalmology, 2020, 127, 804-813.	2.5	39
38	A novel PARD3B-NUTM1 fusion in an aggressive primary CNS embryonal tumor in a young adult. Acta Neuropathologica Communications, 2020, 8, 112.	2.4	5
39	The immunohistochemical, DNA methylation, and chromosomal copy number profile of cauda equina paraganglioma is distinct from extra-spinal paraganglioma. Acta Neuropathologica, 2020, 140, 907-917.	3.9	13
40	Comprehensive analysis of diverse low-grade neuroepithelial tumors with FGFR1 alterations reveals a distinct molecular signature of rosette-forming glioneuronal tumor. Acta Neuropathologica Communications, 2020, 8, 151.	2.4	35
41	Clinical, radiologic, and genetic characteristics of histone H3 K27M-mutant diffuse midline gliomas in adults. Neuro-Oncology Advances, 2020, 2, vdaa142.	0.4	35
42	Pathology of meningiomas. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2020, 169, 87-99.	1.0	10
43	DNA methylation profiling demonstrates superior diagnostic classification to RNA-sequencing in a case of metastatic meningioma. Acta Neuropathologica Communications, 2020, 8, 82.	2.4	10
44	Gliomas arising in the setting of Li-Fraumeni syndrome stratify into two molecular subgroups with divergent clinicopathologic features. Acta Neuropathologica, 2020, 139, 953-957.	3.9	18
45	Catastrophic stroke burden in a patient with uncontrolled psoriasis and psoriatic arthritis: a case report. BMC Neurology, 2020, 20, 106.	0.8	4
46	An update on the central nervous system manifestations of familial tumor predisposition syndromes. Acta Neuropathologica, 2020, 139, 609-612.	3.9	0
47	Pediatric bithalamic gliomas have a distinct epigenetic signature and frequent EGFR exon 20 insertions resulting in potential sensitivity to targeted kinase inhibition. Acta Neuropathologica, 2020, 139, 1071-1088.	3.9	50
48	cIMPACTâ€NOW update 6: new entity and diagnostic principle recommendations of the cIMPACTâ€Utrecht meeting on future CNS tumor classification and grading. Brain Pathology, 2020, 30, 844-856.	2.1	363
49	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
50	EPEN-07. PATTERNS OF EXTRANEURAL METASTASES IN PEDIATRIC SUPRATENTORIAL EPENDYMOMA: CASE SERIES AND REVIEW OF THE LITERATURE. Neuro-Oncology, 2020, 22, iii309-iii309.	0.6	0
51	The genetic landscape of anaplastic pleomorphic xanthoastrocytoma. Brain Pathology, 2019, 29, 85-96.	2.1	88
52	An unusual recurrent high-grade glioneuronal tumor with MAP2K1 mutation and CDKN2A/B homozygous deletion. Acta Neuropathologica Communications, 2019, 7, 110.	2.4	4
53	Loss of ZNF750 in ocular and cutaneous sebaceous carcinoma. Journal of Cutaneous Pathology, 2019, 46, 736-741.	0.7	5
54	Diffusion Characteristics of Pediatric Diffuse Midline Gliomas with Histone H3-K27M Mutation Using Apparent Diffusion Coefficient Histogram Analysis. American Journal of Neuroradiology, 2019, 40, 1804-1810.	1.2	27

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55	Neuroglial stem cell-derived inflammatory pseudotumor (n-SCIPT): clinicopathologic characterization of a novel lesion of the lumbosacral spinal cord and nerve roots following intrathecal allogeneic stem cell intervention. Acta Neuropathologica, 2019, 138, 1103-1106.	3.9	1
56	A case of recurrent epilepsyâ€associated rosetteâ€forming glioneuronal tumor with anaplastic transformation in the absence of therapy. Neuropathology, 2019, 39, 389-393.	0.7	8
57	Recurrent non-canonical histone H3 mutations in spinal cord diffuse gliomas. Acta Neuropathologica, 2019, 138, 877-881.	3.9	21
58	ALK-positive histiocytosis with KIF5B-ALK fusion in the central nervous system. Acta Neuropathologica, 2019, 138, 335-337.	3.9	24
59	HGG-15. SUCCESSFUL TREATMENT OF AN NTRK-FUSION POSITIVE INFANTILE GLIOBLASTOMA WITH LAROTRECTINIB, A TARGETED TRK INHIBITOR. Neuro-Oncology, 2019, 21, ii89-ii90.	0.6	4
60	Preoperative MR Imaging to Differentiate Chordoid Meningiomas from Other Meningioma Histologic Subtypes. American Journal of Neuroradiology, 2019, 40, 433-439.	1.2	8
61	RecurrentEP300-BCORFusions in Pediatric Gliomas With Distinct Clinicopathologic Features. Journal of Neuropathology and Experimental Neurology, 2019, 78, 305-314.	0.9	29
62	A pilot precision medicine trial for children with diffuse intrinsic pontine gliomaâ€"PNOC003: A report from the Pacific Pediatric Neuroâ€Oncology Consortium. International Journal of Cancer, 2019, 145, 1889-1901.	2.3	84
63	Fertility treatment is associated with multiple meningiomas and younger age at diagnosis. Journal of Neuro-Oncology, 2019, 143, 137-144.	1.4	12
64	Recurrent KBTBD4 small in-frame insertions and absence of DROSHA deletion or DICER1 mutation differentiate pineal parenchymal tumor of intermediate differentiation (PPTID) from pineoblastoma. Acta Neuropathologica, 2019, 137, 851-854.	3.9	45
65	A requirement for STAG2 in replication fork progression creates a targetable synthetic lethality in cohesin-mutant cancers. Nature Communications, 2019, 10, 1686.	5.8	65
66	Well-differentiated papillary mesothelioma of the peritoneum is genetically defined by mutually exclusive mutations in TRAF7 and CDC42. Modern Pathology, 2019, 32, 88-99.	2.9	76
67	The genetic landscape of gliomas arising after therapeutic radiation. Acta Neuropathologica, 2019, 137, 139-150.	3.9	57
68	Clinicopathologic features of anaplastic myxopapillary ependymomas. Brain Pathology, 2019, 29, 75-84.	2.1	25
69	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
70	<scp>CRTC</scp>1â€“<scp>MAML</scp>2 fusion in mucoepidermoid carcinoma of the breast. Histopathology, 2019, 74, 463-473.	1.6	33
71	A recurrent kinase domain mutation in PRKCA defines chordoid glioma of the third ventricle. Nature Communications, 2018, 9, 810.	5.8	56
72	STAG2 deficiency induces interferon responses via cGAS-STING pathway and restricts virus infection. Nature Communications, 2018, 9, 1485.	5.8	68

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73	Multinodular and vacuolating neuronal tumor of the cerebrum is a clonal neoplasm defined by genetic alterations that activate the MAP kinase signaling pathway. Acta Neuropathologica, 2018, 135, 485-488.	3.9	54
74	Deep sequencing of WNT-activated medulloblastomas reveals secondary SHH pathway activation. Acta Neuropathologica, 2018, 135, 635-638.	3.9	17
75	Genomic analysis of the origins and evolution of multicentric diffuse lower-grade gliomas. Neuro-Oncology, 2018, 20, 632-641.	0.6	33
76	Multimodal molecular analysis of astroblastoma enables reclassification of most cases into more specific molecular entities. Brain Pathology, 2018, 28, 192-202.	2.1	56
77	Molecular testing for the clinical diagnosis of fibrolamellar carcinoma. Modern Pathology, 2018, 31, 141-149.	2.9	47
78	Familial Tumor Syndromes. , 2018, , 505-545.		5
79	Adenomatoid tumors of the male and female genital tract are defined by TRAF7 mutations that drive aberrant NF-kB pathway activation. Modern Pathology, 2018, 31, 660-673.	2.9	76
80	Early detection of recurrent medulloblastoma: the critical role of diffusion-weighted imaging. Neuro-Oncology Practice, 2018, 5, 234-240.	1.0	10
81	Oligodendrogliomas, IDH-mutant and 1p/19q-codeleted, arising during teenage years often lack TERT promoter mutation that is typical of their adult counterparts. Acta Neuropathologica Communications, 2018, 6, 95.	2.4	13
82	Cell of origin and mutation pattern define three clinically distinct classes of sebaceous carcinoma. Nature Communications, 2018, 9, 1894.	5.8	65
83	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.	3.9	37
84	The genetic landscape of ganglioglioma. Acta Neuropathologica Communications, 2018, 6, 47.	2.4	130
85	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
86	Targeted next-generation sequencing of pediatric neuro-oncology patients improves diagnosis, identifies pathogenic germline mutations, and directs targeted therapy. Neuro-Oncology, 2017, 19, now254.	0.6	155
87	Histopathologic review of pineal parenchymal tumors identifies novel morphologic subtypes and prognostic factors for outcome. Neuro-Oncology, 2017, 19, 78-88.	0.6	51
88	The role of histone modifications and telomere alterations in the pathogenesis of diffuse gliomas in adults and children. Journal of Neuro-Oncology, 2017, 132, 1-11.	1.4	35
89	Imaging Characteristics of Pediatric Diffuse Midline Gliomas with Histone H3 K27M Mutation. American Journal of Neuroradiology, 2017, 38, 795-800.	1.2	132
90	Genetic confirmation that ependymoma can arise as part of multiple endocrine neoplasia type 1 (MEN1) syndrome. Acta Neuropathologica, 2017, 133, 661-663.	3.9	11

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91	Genomic profiling of breast secretory carcinomas reveals distinct genetics from other breast cancers and similarity to mammary analog secretory carcinomas. Modern Pathology, 2017, 30, 1086-1099.	2.9	63
92	Chordoid glioma of the third ventricle: report of a rapidly progressive case. Journal of Neuro-Oncology, 2017, 132, 487-495.	1.4	10
93	Diffuse midline gliomas with subclonal H3F3A K27M mutation and mosaic H3.3 K27M mutant protein expression. Acta Neuropathologica, 2017, 134, 961-963.	3.9	17
94	Complete durable response of a pediatric anaplastic oligodendroglioma to temozolomide alone: Case report and review of literature. Pediatric Blood and Cancer, 2017, 64, e26708.	0.8	6
95	Angiocentric glioma with MYB-QKI fusion located in the brainstem, rather than cerebral cortex. Acta Neuropathologica, 2017, 134, 671-673.	3.9	22
96	Characterization of gliomas: from morphology to molecules. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2017, 471, 257-269.	1.4	86
97	Diffuse non-midline glioma with H3F3A K27M mutation: a prognostic and treatment dilemma. Acta Neuropathologica Communications, 2017, 5, 38.	2.4	41
98	Genomic profiling of malignant peritoneal mesothelioma reveals recurrent alterations in epigenetic regulatory genes BAP1, SETD2, and DDX3X. Modern Pathology, 2017, 30, 246-254.	2.9	95
99	Uveal Ganglioneuroma due to Germline <i>PTEN</i> Mutation (Cowden) Tj ETQq1 1 0.784314 rgBT /Ov 122-128.	0.5	9
100	Case-based review: pediatric medulloblastoma. Neuro-Oncology Practice, 2017, 4, 138-150.	1.0	22
101	Familial melanoma-astrocytoma syndrome: synchronous diffuse astrocytoma and pleomorphic xanthoastrocytoma in a patient with germline CDKN2A/B deletion and a significant family history. , 2017, 36, 213-221.		32
102	Diffuse Midline Gliomas with Histone <scp>H3â€K27M</scp> Mutation: A Series of 47 Cases Assessing the Spectrum of Morphologic Variation and Associated Genetic Alterations. Brain Pathology, 2016, 26, 569-580.	2.1	334
103	Exploiting molecular biology for diagnosis and targeted management of pediatric low-grade gliomas. Future Oncology, 2016, 12, 1493-1506.	1.1	18
104	IDH1 mutation can be present in diffuse astrocytomas and giant cell glioblastomas of young children under 10Âyears of age. Acta Neuropathologica, 2016, 132, 153-155.	3.9	20
105	Pancreatic involvement by mesenchymal chondrosarcoma harboring the HEY1-NCOA2 gene fusion. Human Pathology, 2016, 58, 35-40.	1.1	11
106	Correlation of exon 3 Î²-catenin mutations with glutamine synthetase staining patterns in hepatocellular adenoma and hepatocellular carcinoma. Modern Pathology, 2016, 29, 1370-1380.	2.9	55
107	Activating NRF1-BRAF and ATG7-RAF1 fusions in anaplastic pleomorphic xanthoastrocytoma without BRAF p.V600E mutation. Acta Neuropathologica, 2016, 132, 757-760.	3.9	32
108	InactivatingMUTYHgermline mutations in pediatric patients with high-grade midline gliomas. Neuro-Oncology, 2016, 18, 752-753.	0.6	20

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109	Aneurysm of the Posterior Meningeal Artery Embedded Within a Dorsal Exophytic Medullary Hemangioblastoma: Surgical Management and Review of Literature. Journal of Cerebrovascular and Endovascular Neurosurgery, 2014, 16, 293.	0.2	3
110	The Genomic Landscape of the Ewing Sarcoma Family of Tumors Reveals Recurrent STAG2 Mutation. PLoS Genetics, 2014, 10, e1004475.	1.5	335
111	Clinicopathologic Features of a Second Patient With Ewing-like Sarcoma Harboring CIC-FOXO4 Gene Fusion. American Journal of Surgical Pathology, 2014, 38, 1724-1725.	2.1	67
112	Pharmacologic inhibition of histone demethylation as a therapy for pediatric brainstem glioma. Nature Medicine, 2014, 20, 1394-1396.	15.2	411
113	Cohesin gene mutations in tumorigenesis: from discovery to clinical significance. BMB Reports, 2014, 47, 299-310.	1.1	55
114	Frequent truncating mutations of STAG2 in bladder cancer. Nature Genetics, 2013, 45, 1428-1430.	9.4	164
115	Hemosiderotic Fibrolipomatous Tumor, Not an Entirely Benign Entity. American Journal of Surgical Pathology, 2013, 37, 1627-1630.	2.1	27
116	Mutational Inactivation of STAG2 Causes Aneuploidy in Human Cancer. Science, 2011, 333, 1039-1043.	6.0	397
117	Sample Type Bias in the Analysis of Cancer Genomes. Cancer Research, 2009, 69, 5630-5633.	0.4	29
118	Conspirators in a Capital Crime: Co-deletion of p18INK4c and p16INK4a/p14ARF/p15INK4b in Glioblastoma Multiforme: Figure 1.. Cancer Research, 2008, 68, 8657-8660.	0.4	40
119	Identification of p18INK4c as a Tumor Suppressor Gene in Glioblastoma Multiforme. Cancer Research, 2008, 68, 2564-2569.	0.4	48
120	Mutational Inactivation of PTPRD in Glioblastoma Multiforme and Malignant Melanoma. Cancer Research, 2008, 68, 10300-10306.	0.4	114
121	Dynamic targeting of the replication machinery to sites of DNA damage. Journal of Cell Biology, 2004, 166, 455-463.	2.3	63
122	Cell of the month: Heterochromatic domains in a mouse nucleus. Nature Cell Biology, 2004, 6, 295-295.	4.6	0