Arie Perry

List of Publications by Citations

419 papers	37,752 citations	89 h-index	186 g-index
450 ext. papers	47,111 ext. citations	6.8 avg, IF	7.38 L-index

#	Paper	IF	Citations
419	The 2016 World Health Organization Classification of Tumors of the Central Nervous System: a summary. *Acta Neuropathologica*, **2016**, 131, 803-20	14.3	8580
418	Glioma Groups Based on 1p/19q, IDH, and TERT Promoter Mutations in Tumors. *New England Journal of Medicine*, **2015**, 372, 2499-508	59.2	1181
417	DNA methylation-based classification of central nervous system tumours. *Nature*, **2018**, 555, 469-474	50.4	992
416	Alterations of chromosome arms 1p and 19q as predictors of survival in oligodendrogliomas, astrocytomas, and mixed oligoastrocytomas. *Journal of Clinical Oncology*, **2000**, 18, 636-45	2.2	899
415	The 2021 WHO Classification of Tumors of the Central Nervous System: a summary. *Neuro-Oncology* , **2021**, 23, 1231-1251	1	708
414	Meningioma grading: an analysis of histologic parameters. *American Journal of Surgical Pathology*, **1997**, 21, 1455-65	6.7	500
413	New Brain Tumor Entities Emerge from Molecular Classification of CNS-PNETs. *Cell*, **2016**, 164, 1060-1072	36.2	483
412	Primary brain tumours in adults. *Lancet, The*, **2018**, 392, 432-446	40	469
411	Genome sequencing of SHH medulloblastoma predicts genotype-related response to smoothened inhibition. *Cancer Cell*, **2014**, 25, 393-405	24.3	469
410	International Society Of Neuropathology--Haarlem consensus guidelines for nervous system tumor classification and grading. *Brain Pathology*, **2014**, 24, 429-35	6	408
409	"Malignancy" in meningiomas: a clinicopathologic study of 116 patients, with grading implications. *Cancer*, **1999**, 85, 2046-56	6.4	406
408	Pathology of peripheral nerve sheath tumors: diagnostic overview and update on selected diagnostic problems. *Acta Neuropathologica*, **2012**, 123, 295-319	14.3	401
407	Medulloblastoma: clinicopathological correlates of SHH, WNT, and non-SHH/WNT molecular subgroups. *Acta Neuropathologica*, **2011**, 121, 381-96	14.3	376
406	Malignancy in meningiomas. *Cancer*, **1999**, 85, 2046-2056	6.4	374
405	cIMPACT-NOW update 3: recommended diagnostic criteria for "Diffuse astrocytic glioma, IDH-wildtype, with molecular features of glioblastoma, WHO grade IV". *Acta Neuropathologica*, **2018**, 136, 805-810	14.3	367
404	Histological classification and molecular genetics of meningiomas. *Lancet Neurology, The*, **2006**, 5, 1045-54	14.1	351
403	Notch1 and notch2 have opposite effects on embryonal brain tumor growth. *Cancer Research*, **2004** , 64, 7787-93	10.1	339

402	Localization of common deletion regions on 1p and 19q in human gliomas and their association with histological subtype. *Oncogene*, **1999**, 18, 4144-52	9.2	311
401	Evaluating pediatric brain tumor cellularity with diffusion-tensor imaging. *American Journal of Roentgenology*, **2001**, 177, 449-54	5.4	307
400	Pathological classification and molecular genetics of meningiomas. *Journal of Neuro-Oncology*, **2010**, 99, 379-91	4.8	289
399	Orally administered colony stimulating factor 1 receptor inhibitor PLX3397 in recurrent glioblastoma: an Ivy Foundation Early Phase Clinical Trials Consortium phase II study. *Neuro-Oncology*, **2016**, 18, 557-64	1	284
398	Diffuse Midline Gliomas with Histone H3-K27M Mutation: A Series of 47 Cases Assessing the Spectrum of Morphologic Variation and Associated Genetic Alterations. *Brain Pathology*, **2016**, 26, 569-80	6	243
397	Primarily resected meningiomas: outcome and prognostic factors in 581 Mayo Clinic patients, 1978 through 1988. *Mayo Clinic Proceedings*, **1998**, 73, 936-42	6.4	232
396	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
395	Molecular pathogenesis of meningiomas. *Journal of Neuro-Oncology*, **2004**, 70, 183-202	4.8	220
394	Rituximab-associated progressive multifocal leukoencephalopathy in rheumatoid arthritis. *Archives of Neurology*, **2011**, 68, 1156-64		215
393	Genetic alterations in uncommon low-grade neuroepithelial tumors: BRAF, FGFR1, and MYB mutations occur at high frequency and align with morphology. *Acta Neuropathologica*, **2016**, 131, 833-45	14.3	209
392	Optic nerve glioma in mice requires astrocyte Nf1 gene inactivation and Nf1 brain heterozygosity. *Cancer Research*, **2003**, 63, 8573-7	10.1	199
391	Immunogenomics of Hypermutated Glioblastoma: A Patient with Germline POLE Deficiency Treated with Checkpoint Blockade Immunotherapy. *Cancer Discovery*, **2016**, 6, 1230-1236	24.4	196
390	cIMPACT-NOW update 6: new entity and diagnostic principle recommendations of the cIMPACT-Utrecht meeting on future CNS tumor classification and grading. *Brain Pathology*, **2020**, 30, 844-856	6	196
389	Cancer therapy-associated CNS neuropathology: an update and review of the literature. *Acta Neuropathologica*, **2006**, 111, 197-212	14.3	194
388	Adult infiltrating gliomas with WHO 2016 integrated diagnosis: additional prognostic roles of ATRX and TERT. *Acta Neuropathologica*, **2017**, 133, 1001-1016	14.3	185
387	A phase I trial of the MEK inhibitor selumetinib (AZD6244) in pediatric patients with recurrent or refractory low-grade glioma: a Pediatric Brain Tumor Consortium (PBTC) study. *Neuro-Oncology*, **2017**, 19, 1135-1144	1	180
386	The immunophenotypic spectrum of meningeal hemangiopericytoma: a comparison with fibrous meningioma and solitary fibrous tumor of meninges. *American Journal of Surgical Pathology*, **1997**, 21, 1354-60	6.7	180
385	The prognostic significance of MIB-1, p53, and DNA flow cytometry in completely resected primary meningiomas **1998**, 82, 2262-2269		178

384	Adult medulloblastoma comprises three major molecular variants. *Journal of Clinical Oncology*, **2011**, 29, 2717-23	2.2	176
383	Soft-tissue perineurioma. Evidence for an abnormality of chromosome 22, criteria for diagnosis, and review of the literature. *American Journal of Surgical Pathology*, **1997**, 21, 164-73	6.7	176
382	Integrative genomic analysis identifies NDRG2 as a candidate tumor suppressor gene frequently inactivated in clinically aggressive meningioma. *Cancer Research*, **2005**, 65, 7121-6	10.1	174
381	Large-scale molecular comparison of human schwann cells to malignant peripheral nerve sheath tumor cell lines and tissues. *Cancer Research*, **2006**, 66, 2584-91	10.1	171
380	cIMPACT-NOW update 5: recommended grading criteria and terminologies for IDH-mutant astrocytomas. *Acta Neuropathologica*, **2020**, 139, 603-608	14.3	170
379	Histopathologic evaluation of atypical neurofibromatous tumors and their transformation into malignant peripheral nerve sheath tumor in patients with neurofibromatosis 1-a consensus overview. *Human Pathology*, **2017**, 67, 1-10	3.7	169
378	Prognostic value of 1p, 19q, 9p, 10q, and EGFR-FISH analyses in recurrent oligodendrogliomas. *Journal of Neuropathology and Experimental Neurology*, **2004**, 63, 314-22	3.1	169
377	Pituitary blastoma: a pathognomonic feature of germ-line DICER1 mutations. *Acta Neuropathologica*, **2014**, 128, 111-22	14.3	160
376	Gene expression profile identifies tyrosine kinase c-Met as a targetable mediator of antiangiogenic therapy resistance. *Clinical Cancer Research*, **2013**, 19, 1773-83	12.9	160
375	"Rhabdoid" meningioma: an aggressive variant. *American Journal of Surgical Pathology*, **1998**, 22, 1482-90	6.7	160
374	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
373	Aggressive phenotypic and genotypic features in pediatric and NF2-associated meningiomas: a clinicopathologic study of 53 cases. *Journal of Neuropathology and Experimental Neurology*, **2001**, 60, 994-1003	3.1	156
372	Glioblastoma. *Archives of Pathology and Laboratory Medicine*, **2007**, 131, 397-406	5	155
371	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
370	Distinct genetic signatures among pilocytic astrocytomas relate to their brain region origin. *Cancer Research*, **2007**, 67, 890-900	10.1	148
369	Molecular diagnosis of Ewing sarcoma/primitive neuroectodermal tumor in routinely processed tissue: a comparison of two FISH strategies and RT-PCR in malignant round cell tumors. *Modern Pathology*, **2006**, 19, 1-8	9.8	144
368	Distinct neural stem cell populations give rise to disparate brain tumors in response to N-MYC. *Cancer Cell*, **2012**, 21, 601-613	24.3	141
367	Significance of necrosis in grading of oligodendroglial neoplasms: a clinicopathologic and genetic study of newly diagnosed high-grade gliomas. *Journal of Clinical Oncology*, **2006**, 24, 5419-26	2.2	140

366	Gliomas in neurofibromatosis type 1: a clinicopathologic study of 100 patients. *Journal of Neuropathology and Experimental Neurology*, **2008**, 67, 240-9	3.1	137
365	Oligodendrogliomas with neurocytic differentiation. A report of 4 cases with diagnostic and histogenetic implications. *Journal of Neuropathology and Experimental Neurology*, **2002**, 61, 947-55	3.1	136
364	Merlin, DAL-1, and progesterone receptor expression in clinicopathologic subsets of meningioma: a correlative immunohistochemical study of 175 cases. *Journal of Neuropathology and Experimental Neurology*, **2000**, 59, 872-9	3.1	132
363	Malignant gliomas with primitive neuroectodermal tumor-like components: a clinicopathologic and genetic study of 53 cases. *Brain Pathology*, **2009**, 19, 81-90	6	129
362	Oligodendroglioma: pathology, molecular mechanisms and markers. *Acta Neuropathologica*, **2015**, 129, 809-27	14.3	128
361	Transcriptomic versus chromosomal prognostic markers and clinical outcome in uveal melanoma. *Clinical Cancer Research*, **2007**, 13, 1466-71	12.9	127
360	INI1 expression is retained in composite rhabdoid tumors, including rhabdoid meningiomas. *Modern Pathology*, **2005**, 18, 951-8	9.8	126
359	Preclinical cancer therapy in a mouse model of neurofibromatosis-1 optic glioma. *Cancer Research*, **2008**, 68, 1520-8	10.1	120
358	Intermediate-risk meningioma: initial outcomes from NRG Oncology RTOG 0539. *Journal of Neurosurgery*, **2018**, 129, 35-47	3.2	119
357	Targeted next-generation sequencing of pediatric neuro-oncology patients improves diagnosis, identifies pathogenic germline mutations, and directs targeted therapy. *Neuro-Oncology*, **2017**, 19, 699-709	7	118
356	Histologic classification of gliomas. *Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn*, **2016**, 134, 71-95	3	118
355	Clinicopathologic and genetic profile of intracranial marginal zone lymphoma: a primary low-grade CNS lymphoma that mimics meningioma. *Journal of Clinical Oncology*, **2005**, 23, 5718-27	2.2	118
354	Loss of neurofibromatosis 1 (NF1) gene expression in NF1-associated pilocytic astrocytomas. *Neuropathology and Applied Neurobiology*, **2000**, 26, 361-7	5.2	118
353	Blocking CXCR4-mediated cyclic AMP suppression inhibits brain tumor growth in vivo. *Cancer Research*, **2007**, 67, 651-8	10.1	116
352	Chromosome 1p and 14q FISH analysis in clinicopathologic subsets of meningioma: diagnostic and prognostic implications. *Journal of Neuropathology and Experimental Neurology*, **2001**, 60, 628-36	3.1	116
351	Composite pleomorphic xanthoastrocytoma and ganglioglioma: report of four cases and review of the literature. *American Journal of Surgical Pathology*, **1997**, 21, 763-71	6.7	114
350	Small cell astrocytoma: an aggressive variant that is clinicopathologically and genetically distinct from anaplastic oligodendroglioma. *Cancer*, **2004**, 101, 2318-26	6.4	113
349	Clinicopathologic aspects of 1p/19q loss and the diagnosis of oligodendroglioma. *Archives of Pathology and Laboratory Medicine*, **2007**, 131, 242-51	5	113

348	A role for chromosome 9p21 deletions in the malignant progression of meningiomas and the prognosis of anaplastic meningiomas. *Brain Pathology*, **2002**, 12, 183-90	6	112
347	CNS-PNETs with C19MC amplification and/or LIN28 expression comprise a distinct histogenetic diagnostic and therapeutic entity. *Acta Neuropathologica*, **2014**, 128, 291-303	14.3	111
346	Methylation-based classification of benign and malignant peripheral nerve sheath tumors. *Acta Neuropathologica*, **2016**, 131, 877-87	14.3	110
345	NF1 deletions in S-100 protein-positive and negative cells of sporadic and neurofibromatosis 1 (NF1)-associated plexiform neurofibromas and malignant peripheral nerve sheath tumors. *American Journal of Pathology*, **2001**, 159, 57-61	5.8	110
344	Ancillary FISH analysis for 1p and 19q status: preliminary observations in 287 gliomas and oligodendroglioma mimics. *Frontiers in Bioscience - Landmark*, **2003**, 8, a1-9	2.8	109
343	Disseminated oligodendroglial-like leptomeningeal tumor of childhood: a distinctive clinicopathologic entity. *Acta Neuropathologica*, **2012**, 124, 627-41	14.3	107
342	Germ-line and somatic DICER1 mutations in pineoblastoma. *Acta Neuropathologica*, **2014**, 128, 583-95	14.3	103
341	Morphologic and immunohistochemical features of malignant peripheral nerve sheath tumors and cellular schwannomas. *Modern Pathology*, **2015**, 28, 187-200	9.8	97
340	A sensitive and specific histopathologic prognostic marker for H3F3A K27M mutant pediatric glioblastomas. *Acta Neuropathologica*, **2014**, 128, 743-53	14.3	96
339	Molecular characterization of human meningiomas by gene expression profiling using high-density oligonucleotide microarrays. *American Journal of Pathology*, **2002**, 161, 665-72	5.8	96
338	Immunohistochemical analysis supports a role for INI1/SMARCB1 in hereditary forms of schwannomas, but not in solitary, sporadic schwannomas. *Brain Pathology*, **2008**, 18, 517-9	6	95
337	Differential NF1, p16, and EGFR patterns by interphase cytogenetics (FISH) in malignant peripheral nerve sheath tumor (MPNST) and morphologically similar spindle cell neoplasms. *Journal of Neuropathology and Experimental Neurology*, **2002**, 61, 702-9	3.1	95
336	Targeted inhibition of cyclic AMP phosphodiesterase-4 promotes brain tumor regression. *Clinical Cancer Research*, **2008**, 14, 7717-25	12.9	94
335	Spatiotemporal differences in CXCL12 expression and cyclic AMP underlie the unique pattern of optic glioma growth in neurofibromatosis type 1. *Cancer Research*, **2007**, 67, 8588-95	10.1	92
334	CDKN2A loss is associated with shortened overall survival in lower-grade (World Health Organization Grades II-III) astrocytomas. *Journal of Neuropathology and Experimental Neurology*, **2015**, 74, 442-52	3.1	91
333	Chromosome 22q deletions in atypical teratoid/rhabdoid tumors in adults. *Brain Pathology*, **2005**, 15, 23-8	6	90
332	A role for fluorescence in situ hybridization detection of chromosome 22q dosage in distinguishing atypical teratoid/rhabdoid tumors from medulloblastoma/central primitive neuroectodermal tumors. *Human Pathology*, **2001**, 32, 156-62	3.7	90
331	Poorly differentiated chordoma with SMARCB1/INI1 loss: a distinct molecular entity with dismal prognosis. *Acta Neuropathologica*, **2016**, 132, 149-51	14.3	89

330	Array-based comparative genomic hybridization identifies CDK4 and FOXM1 alterations as independent predictors of survival in malignant peripheral nerve sheath tumor. *Clinical Cancer Research*, **2011**, 17, 1924-34	12.9	88
329	Widespread CXCR4 activation in astrocytomas revealed by phospho-CXCR4-specific antibodies. *Cancer Research*, **2005**, 65, 11392-9	10.1	88
328	LIN28A immunoreactivity is a potent diagnostic marker of embryonal tumor with multilayered rosettes (ETMR). *Acta Neuropathologica*, **2012**, 124, 875-81	14.3	87
327	Clinical utility of fluorescence in situ hybridization (FISH) in morphologically ambiguous gliomas with hybrid oligodendroglial/astrocytic features. *Journal of Neuropathology and Experimental Neurology*, **2003**, 62, 1118-28	3.1	86
326	Metastatic adenocarcinoma to the brain: an immunohistochemical approach. *Human Pathology*, **1997**, 28, 938-43	3.7	85
325	Meningiomas in pregnancy: a clinicopathologic study of 17 cases. *Neurosurgery*, **2012**, 71, 951-61	3.2	83
324	High-resolution, dual-platform aCGH analysis reveals frequent HIPK2 amplification and increased expression in pilocytic astrocytomas. *Oncogene*, **2008**, 27, 4745-51	9.2	82
323	The alternative lengthening of telomere phenotype is significantly associated with loss of ATRX expression in high-grade pediatric and adult astrocytomas: a multi-institutional study of 214 astrocytomas. *Modern Pathology*, **2013**, 26, 1425-32	9.8	81
322	DNA sequence of the translocation breakpoints in undifferentiated embryonal sarcoma arising in mesenchymal hamartoma of the liver harboring the t(11;19)(q11;q13.4) translocation. *Genes Chromosomes and Cancer*, **2007**, 46, 508-13	5	81
321	Pediatric oligodendrogliomas: a study of molecular alterations on 1p and 19q using fluorescence in situ hybridization. *Journal of Neuropathology and Experimental Neurology*, **2003**, 62, 530-7	3.1	81
320	Spindle cell oncocytoma of the adenohypophysis: report of two recurrent cases. *American Journal of Surgical Pathology*, **2005**, 29, 247-53	6.7	81
319	Epithelioid Glioblastomas and Anaplastic Epithelioid Pleomorphic Xanthoastrocytomas--Same Entity or First Cousins?. *Brain Pathology*, **2016**, 26, 215-23	6	80
318	Glioma formation in neurofibromatosis 1 reflects preferential activation of K-RAS in astrocytes. *Cancer Research*, **2005**, 65, 236-45	10.1	80
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316	A New Senior Editor. *Brain Pathology*, **2012**, 22, i-i	6	78
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314	Clonal expansion and epigenetic reprogramming following deletion or amplification of mutant. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 10743-10748	11.5	78
313	The Juggler with Half the Balls on the Ground. *Brain Pathology*, **2010**, 20, i-i	6	78

312	Neuropathology, the Next Generation. *Brain Pathology*, **2010**, 20, iii-iii	6	78
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310	Job Hunting at the Neuropathology Blog?. *Brain Pathology*, **2009**, 20, i-i	6	78
309	Brain Pathology Impact Factor on the Rise. *Brain Pathology*, **2007**, 17, v-vi	6	78
308	EPEN-07. PATTERNS OF EXTRANEURAL METASTASES IN PEDIATRIC SUPRATENTORIAL EPENDYMOMA: CASE SERIES AND REVIEW OF THE LITERATURE. *Neuro-Oncology*, **2020**, 22, iii309-iii309	1	78
307	SURG-02. A NOVEL RISK MODEL TO DEFINE THE RELATIVE BENEFIT OF MAXIMAL EXTENT OF RESECTION WITHIN PROGNOSTIC GROUPS IN NEWLY DIAGNOSED GLIOBLASTOMA. *Neuro-Oncology*, **2018**, 20, vi250-vi250	1	78
306	PDTM-38. PEDIATRIC MENINGIOMAS ARE CHARACTERIZED BY DISTINCT METHYLATION PROFILES DIFFERENT FROM ADULT MENINGIOMAS. *Neuro-Oncology*, **2018**, 20, vi212-vi212	1	78
305	PATH-05. IMPLEMENTATION OF A TARGETED NEXT-GENERATION SEQUENCING PANEL FOR THE DIAGNOSIS AND PRECISION MEDICINE TREATMENT OF ADULT PATIENTS WITH WHO GRADE IV DIFFUSE GLIOMAS. *Neuro-Oncology*, **2018**, 20, vi158-vi159	1	78
304	MNGI-30. RADIOLOGIC FEATURES ARE PROGNOSTIC FOR CLINICAL OUTCOMES OF CHORDOID MENINGIOMA. *Neuro-Oncology*, **2018**, 20, vi155-vi155	1	78
303	Large cell/anaplastic medulloblastomas and medullomyoblastomas: clinicopathological and genetic features. *Journal of Neurosurgery*, **2001**, 95, 82-8	3.2	77
302	Gone FISHing: clinical lessons learned in brain tumor molecular diagnostics over the last decade. *Brain Pathology*, **2011**, 21, 57-73	6	76
301	Anaplastic meningioma versus meningeal hemangiopericytoma: immunohistochemical and genetic markers. *Human Pathology*, **2004**, 35, 1413-8	3.7	76
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297	Interobserver and intraobserver reproducibility in focal cortical dysplasia (malformations of cortical development). *Epilepsia*, **2009**, 50, 2593-8	6.4	72
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294	Primary intracerebral angiomatoid fibrous histiocytoma: report of a case with a t(12;22)(q13;q12) causing type 1 fusion of the EWS and ATF-1 genes. *American Journal of Surgical Pathology*, **2008**, 32, 478-84	6.7	70
293	Mapping of the chromosome 19 q-arm glioma tumor suppressor gene using fluorescence in situ hybridization and novel microsatellite markers. *Genes Chromosomes and Cancer*, **2000**, 29, 16-25	5	70
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286	Meningeal tumors of childhood and infancy. An update and literature review. *Brain Pathology*, **2003** , 13, 386-408	6	65
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281	Expression and prognostic impact of immune modulatory molecule PD-L1 in meningioma. *Journal of Neuro-Oncology*, **2016**, 130, 543-552	4.8	61
280	Pathology concordance levels for meningioma classification and grading in NRG Oncology RTOG Trial 0539. *Neuro-Oncology*, **2016**, 18, 565-74	1	61
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269	Histopathologic predictors of pilocytic astrocytoma event-free survival. *Acta Neuropathologica*, **2009**, 117, 657-65	14.3	56
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