

David N Louis

List of Publications by Citations

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77
papers

28,489
citations

42
h-index

96
g-index

96
ext. papers

36,651
ext. citations

12.4
avg, IF

6.95
L-index

#	Paper	IF	Citations
77	The 2016 World Health Organization Classification of Tumors of the Central Nervous System: a summary. <i>Acta Neuropathologica</i> , 2016 , 131, 803-20	14.3	8580
76	The 2007 WHO classification of tumours of the central nervous system. <i>Acta Neuropathologica</i> , 2007 , 114, 97-109	14.3	8119
75	Single-cell RNA-seq highlights intratumoral heterogeneity in primary glioblastoma. <i>Science</i> , 2014 , 344, 1396-401	33.3	2401
74	The 2021 WHO Classification of Tumors of the Central Nervous System: a summary. <i>Neuro-Oncology</i> , 2021 , 23, 1231-1251	1	708
73	Genomic Characterization of Brain Metastases Reveals Branched Evolution and Potential Therapeutic Targets. <i>Cancer Discovery</i> , 2015 , 5, 1164-1177	24.4	581
72	Single-cell RNA-seq supports a developmental hierarchy in human oligodendroglioma. <i>Nature</i> , 2016 , 539, 309-313	50.4	561
71	An Integrative Model of Cellular States, Plasticity, and Genetics for Glioblastoma. <i>Cell</i> , 2019 , 178, 835-849	49.21	556
70	Reconstructing and reprogramming the tumor-propagating potential of glioblastoma stem-like cells. <i>Cell</i> , 2014 , 157, 580-94	56.2	549
69	Subsets of glioblastoma multiforme defined by molecular genetic analysis. <i>Brain Pathology</i> , 1993 , 3, 19-26	6	520
68	Molecular pathology of malignant gliomas. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2006 , 1, 97-117	34	478
67	Decoupling genetics, lineages, and microenvironment in IDH-mutant gliomas by single-cell RNA-seq. <i>Science</i> , 2017 , 355,	33.3	455
66	International Society Of Neuropathology--Haarlem consensus guidelines for nervous system tumor classification and grading. <i>Brain Pathology</i> , 2014 , 24, 429-35	6	408
65	cIMPACT-NOW update 3: recommended diagnostic criteria for "Diffuse astrocytic glioma, IDH-wildtype, with molecular features of glioblastoma, WHO grade IV". <i>Acta Neuropathologica</i> , 2018 , 136, 805-810	14.3	367
64	Exome sequencing identifies BRAF mutations in papillary craniopharyngiomas. <i>Nature Genetics</i> , 2014 , 46, 161-5	36.3	320
63	Oncolytic virus therapy of multiple tumors in the brain requires suppression of innate and elicited antiviral responses. <i>Nature Medicine</i> , 1999 , 5, 881-7	50.5	278
62	Shared allelic losses on chromosomes 1p and 19q suggest a common origin of oligodendroglioma and oligoastrocytoma. <i>Journal of Neuropathology and Experimental Neurology</i> , 1995 , 54, 91-5	3.1	266
61	Developmental and oncogenic programs in H3K27M gliomas dissected by single-cell RNA-seq. <i>Science</i> , 2018 , 360, 331-335	33.3	255

60	cIMPACT-NOW update 6: new entity and diagnostic principle recommendations of the cIMPACT-Utrecht meeting on future CNS tumor classification and grading. <i>Brain Pathology</i> , 2020 , 30, 844-856	6	196
59	The retinoblastoma gene is involved in malignant progression of astrocytomas. <i>Annals of Neurology</i> , 1994 , 36, 714-21	9.4	193
58	cIMPACT-NOW update 2: diagnostic clarifications for diffuse midline glioma, H3 K27M-mutant and diffuse astrocytoma/anaplastic astrocytoma, IDH-mutant. <i>Acta Neuropathologica</i> , 2018 , 135, 639-642	14.3	186
57	cIMPACT-NOW update 5: recommended grading criteria and terminologies for IDH-mutant astrocytomas. <i>Acta Neuropathologica</i> , 2020 , 139, 603-608	14.3	170
56	Novel, improved grading system(s) for IDH-mutant astrocytic gliomas. <i>Acta Neuropathologica</i> , 2018 , 136, 153-166	14.3	162
55	Brain tumor cells in circulation are enriched for mesenchymal gene expression. <i>Cancer Discovery</i> , 2014 , 4, 1299-309	24.4	159
54	Dramatic Response of BRAF V600E Mutant Papillary Craniopharyngioma to Targeted Therapy. <i>Journal of the National Cancer Institute</i> , 2016 , 108,	9.7	144
53	Adult medulloblastoma: prognostic factors and patterns of relapse. <i>Neurosurgery</i> , 2000 , 47, 623-31; discussion 631-2	3.2	133
52	Focus on central nervous system neoplasia. <i>Cancer Cell</i> , 2002 , 1, 125-8	24.3	115
51	cIMPACT-NOW update 4: diffuse gliomas characterized by MYB, MYBL1, or FGFR1 alterations or BRAF mutation. <i>Acta Neuropathologica</i> , 2019 , 137, 683-687	14.3	92
50	Deletions on the long arm of chromosome 17 in pilocytic astrocytoma. <i>Acta Neuropathologica</i> , 1993 , 86, 81-5	14.3	86
49	cIMPACT-NOW update 1: Not Otherwise Specified (NOS) and Not Elsewhere Classified (NEC). <i>Acta Neuropathologica</i> , 2018 , 135, 481-484	14.3	78
48	PATH-32. BRAIN TUMOR CLASSIFICATION UPDATES FROM cIMPACT-NOW, THE CONSORTIUM TO INFORM MOLECULAR AND PRACTICAL APPROACHES TO CNS TUMOR CLASSIFICATION. <i>Neuro-Oncology</i> , 2018 , 20, vi165-vi165	1	78
47	Use of MIB-1 (Ki-67) immunoreactivity in differentiating grade II and grade III gliomas. <i>Journal of Neuropathology and Experimental Neurology</i> , 1997 , 56, 857-65	3.1	73
46	Polysomy for chromosomes 1 and 19 predicts earlier recurrence in anaplastic oligodendrogliomas with concurrent 1p/19q loss. <i>Clinical Cancer Research</i> , 2009 , 15, 6430-7	12.9	72
45	Germline and somatic BAP1 mutations in high-grade rhabdoid meningiomas. <i>Neuro-Oncology</i> , 2017 , 19, 535-545	1	60
44	The Diagnostic Use of Immunohistochemical Surrogates for Signature Molecular Genetic Alterations in Gliomas. <i>Journal of Neuropathology and Experimental Neurology</i> , 2016 , 75, 4-18	3.1	59
43	Inhibitory CD161 receptor identified in glioma-infiltrating T α cells by single-cell analysis. <i>Cell</i> , 2021 , 184, 1281-1298.e26	56.2	55

42	Rapid Intraoperative Molecular Characterization of Glioma. <i>JAMA Oncology</i> , 2015 , 1, 662-7	13.4	53
41	cIMPACT-NOW update 7: advancing the molecular classification of ependymal tumors. <i>Brain Pathology</i> , 2020 , 30, 863-866	6	51
40	Co-expression of Fas and Fas ligand in malignant glial tumors and cell lines. <i>Acta Neuropathologica</i> , 1998 , 95, 287-90	14.3	47
39	Implementing the DICOM Standard for Digital Pathology. <i>Journal of Pathology Informatics</i> , 2018 , 9, 37	4.4	45
38	Cross-reactivity of the BRAF VE1 antibody with epitopes in axonemal dyneins leads to staining of cilia. <i>Modern Pathology</i> , 2015 , 28, 596-606	9.8	43
37	A recurrent kinase domain mutation in PRKCA defines chordoid glioma of the third ventricle. <i>Nature Communications</i> , 2018 , 9, 810	17.4	42
36	The 2016 WHO classification of central nervous system tumors: what neurologists need to know. <i>Current Opinion in Neurology</i> , 2017 , 30, 643-649	7.1	42
35	High Seroprevalence of Anti-SARS-CoV-2 Antibodies in Chelsea, Massachusetts. <i>Journal of Infectious Diseases</i> , 2020 , 222, 1955-1959	7	39
34	Glioma test array for use with formalin-fixed, paraffin-embedded tissue: array comparative genomic hybridization correlates with loss of heterozygosity and fluorescence in situ hybridization. <i>Journal of Molecular Diagnostics</i> , 2006 , 8, 268-76	5.1	38
33	Cost-effectiveness of IDH testing in diffuse gliomas according to the 2016 WHO classification of tumors of the central nervous system recommendations. <i>Neuro-Oncology</i> , 2017 , 19, 1640-1650	1	36
32	cIMPACT-NOW (the consortium to inform molecular and practical approaches to CNS tumor taxonomy): a new initiative in advancing nervous system tumor classification. <i>Brain Pathology</i> , 2017 , 27, 851-852	6	36
31	Molecular background of oligodendroglioma: 1p/19q, IDH, TERT, CIC and FUBP1. <i>CNS Oncology</i> , 2015 , 4, 287-94	4	34
30	The role of neuropathology in the management of patients with diffuse low grade glioma: A systematic review and evidence-based clinical practice guideline. <i>Journal of Neuro-Oncology</i> , 2015 , 125, 531-49	4.8	29
29	Completeness of required site-specific factors for brain and CNS tumors in the Surveillance, Epidemiology and End Results (SEER) 18 database (2004-2012, varying). <i>Journal of Neuro-Oncology</i> , 2016 , 130, 31-42	4.8	29
28	Evidence for subarachnoid spread in the development of multiple meningiomas. <i>Brain Pathology</i> , 1995 , 5, 11-4	6	28
27	Multicenter phase II study of temozolomide and myeloablative chemotherapy with autologous stem cell transplant for newly diagnosed anaplastic oligodendroglioma. <i>Neuro-Oncology</i> , 2017 , 19, 1380-1390	1	20
26	Grading of Diffuse Astrocytic Gliomas: A Review of Studies Before and After the Advent of IDH Testing. <i>Seminars in Neurology</i> , 2018 , 38, 19-23	3.2	18
25	Multicolumn infusion of gene therapy cells into human brain tumors: technical report. <i>Neurosurgery</i> , 2000 , 46, 663-8; discussion 668-9	3.2	16

24	Integrating molecular markers into the World Health Organization classification of CNS tumors: a survey of the neuro-oncology community. <i>Neuro-Oncology</i> , 2017 , 19, 336-344	1	15
23	Glioblastoma multiforme in four siblings: a cytogenetic and molecular genetic study. <i>Journal of Neuro-Oncology</i> , 1995 , 24, 251-8	4.8	14
22	The 2013 symposium on pathology data integration and clinical decision support and the current state of field. <i>Journal of Pathology Informatics</i> , 2014 , 5, 2	4.4	13
21	Financially effective test algorithm to identify an aggressive, EGFR-amplified variant of IDH-wildtype, lower-grade diffuse glioma. <i>Neuro-Oncology</i> , 2019 , 21, 596-605	1	13
20	Recursive partitioning analysis of prognostic variables in newly diagnosed anaplastic oligodendroglial tumors. <i>Neuro-Oncology</i> , 2014 , 16, 1541-6	1	12
19	Grading of diffuse astrocytic gliomas: Broders, Kernohan, Zluch, the WHO and Shakespeare. <i>Acta Neuropathologica</i> , 2017 , 134, 517-520	14.3	9
18	Data Sets for the Reporting of Tumors of the Central Nervous System: Recommendations From The International Collaboration on Cancer Reporting. <i>Archives of Pathology and Laboratory Medicine</i> , 2020 , 144, 196-206	5	9
17	Impact of histopathological transformation and overall survival in patients with progressive anaplastic glioma. <i>Journal of Clinical Neuroscience</i> , 2016 , 31, 99-105	2.2	8
16	An Ultra-High Speed Whole Slide Image Viewing System. <i>Analytical Cellular Pathology</i> , 2012 , 35, 65-73	3.4	7
15	Clear cell pleomorphic xanthoastrocytoma: case report. <i>Acta Neuropathologica</i> , 2001 , 102, 404-8	14.3	6
14	Angioleiomyoma of the falx. <i>Journal of Radiology Case Reports</i> , 2016 , 10, 8-15	1.1	4
13	Characterization of applicants for residency training in pathology: Does diversity exist?. <i>Annals of Diagnostic Pathology</i> , 2019 , 40, 23-25	2.2	3
12	Assignment of the human gene encoding eukaryotic initiation factor 4E (EIF4E) to the region q21-25 on chromosome 4. <i>Somatic Cell and Molecular Genetics</i> , 1997 , 23, 221-3		3
11	Case 38-2016. A 52-Year-Old Woman with Recurrent Oligodendroglioma. <i>New England Journal of Medicine</i> , 2016 , 375, 2381-2389	59.2	3
10	The flowering of pathology as a medical discipline in Boston, 1892-c.1950: W.T. Councilman, FB Mallory, JH Wright, SB Wolbach and their descendants. <i>Modern Pathology</i> , 2016 , 29, 944-61	9.8	2
9	The Utility of Expert Diagnosis in Surgical Neuropathology: Analysis of Consultations Reviewed at 5 National Comprehensive Cancer Network Institutions. <i>Journal of Neuropathology and Experimental Neurology</i> , 2017 , 76, 189-194	3.1	1
8	Association of PIK3CA-activating mutations with more disseminated disease at presentation and earlier recurrence in glioblastoma.. <i>Journal of Clinical Oncology</i> , 2013 , 31, 2029-2029	2.2	1
7	Mutant IDH Inhibitors Induce Lineage Differentiation in IDH-mutant Oligodendroglioma		1

6	RARE-08. GRADING CONSIDERATIONS FOR MENINGEAL SOLITARY FIBROUS TUMOR/HEMANGIOPERICYTOMA. <i>Neuro-Oncology</i> , 2018 , 20, vi237-vi238	1	1
5	A half century of change in diagnostic neuropathology: from the giants of yore to current brain tumor classification. <i>Human Pathology</i> , 2020 , 95, 161-168	3.7	0
4	Atretic cephalocele: Report of an infrequent dermatopathologic finding. <i>Journal of Cutaneous Pathology</i> , 2021 , 48, 1439-1441	1.7	0
3	Roses and rosettes-the two sides of James Homer Wright. <i>Baylor University Medical Center Proceedings</i> , 2020 , 33, 286-292	0.6	
2	Update on Glioma Treatments in the United States. <i>Japanese Journal of Neurosurgery</i> , 2013 , 22, 590-596	0	
1	Paul Kleihues (1936-2022), neuropathology innovator and entrepreneur.. <i>Brain Pathology</i> , 2022 , 32, e13073	0.73	