

Melike Pekmezci

List of Publications by Year in descending order

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74
papers

4,474
citations

172457

29
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110387

64
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75
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75
docs citations

75
times ranked

7428
citing authors

#	ARTICLE	IF	CITATIONS
1	Glioma Groups Based on 1p/19q, IDH, and TERT Promoter Mutations in Tumors. <i>New England Journal of Medicine</i> , 2015, 372, 2499-2508.	27.0	1,632
2	Adult infiltrating gliomas with WHO 2016 integrated diagnosis: additional prognostic roles of ATRX and TERT. <i>Acta Neuropathologica</i> , 2017, 133, 1001-1016.	7.7	245
3	Immunohistochemical analysis of H3K27me3 demonstrates global reduction in group-A childhood posterior fossa ependymoma and is a powerful predictor of outcome. <i>Acta Neuropathologica</i> , 2017, 134, 705-714.	7.7	168
4	Variants near TERT and TERC influencing telomere length are associated with high-grade glioma risk. <i>Nature Genetics</i> , 2014, 46, 731-735.	21.4	161
5	Lowered H3K27me3 and DNA hypomethylation define poorly prognostic pediatric posterior fossa ependymomas. <i>Science Translational Medicine</i> , 2016, 8, 366ra161.	12.4	144
6	Morphologic and immunohistochemical features of malignant peripheral nerve sheath tumors and cellular schwannomas. <i>Modern Pathology</i> , 2015, 28, 187-200.	5.5	134
7	The genetic landscape of ganglioglioma. <i>Acta Neuropathologica Communications</i> , 2018, 6, 47.	5.2	130
8	Comprehensive Molecular Profiling Identifies FOXM1 as a Key Transcription Factor for Meningioma Proliferation. <i>Cell Reports</i> , 2018, 22, 3672-3683.	6.4	95
9	The genetic landscape of anaplastic pleomorphic xanthoastrocytoma. <i>Brain Pathology</i> , 2019, 29, 85-96.	4.1	88
10	Diagnostic utility of SOX10 to distinguish malignant peripheral nerve sheath tumor from synovial sarcoma, including intraneural synovial sarcoma. <i>Modern Pathology</i> , 2014, 27, 55-61.	5.5	79
11	HIGD1A Regulates Oxygen Consumption, ROS Production, and AMPK Activity during Glucose Deprivation to Modulate Cell Survival and Tumor Growth. <i>Cell Reports</i> , 2015, 10, 891-899.	6.4	79
12	Neuropathology of brain metastases. , 2013, 4, 245.		72
13	High-grade neuroepithelial tumor with BCOR exon 15 internal tandem duplication—a comprehensive clinical, radiographic, pathologic, and genomic analysis. <i>Brain Pathology</i> , 2020, 30, 46-62.	4.1	69
14	Integrated models incorporating radiologic and radiomic features predict meningioma grade, local failure, and overall survival. <i>Neuro-Oncology Advances</i> , 2019, 1, vdz011.	0.7	64
15	The genetic landscape of gliomas arising after therapeutic radiation. <i>Acta Neuropathologica</i> , 2019, 137, 139-150.	7.7	57
16	Multiplatform genomic profiling and magnetic resonance imaging identify mechanisms underlying intratumor heterogeneity in meningioma. <i>Nature Communications</i> , 2020, 11, 4803.	12.8	56
17	Multinodular and vacuolating neuronal tumor of the cerebrum is a clonal neoplasm defined by genetic alterations that activate the MAP kinase signaling pathway. <i>Acta Neuropathologica</i> , 2018, 135, 485-488.	7.7	54
18	Significance of H3K27me3 loss in the diagnosis of malignant peripheral nerve sheath tumors. <i>Modern Pathology</i> , 2017, 30, 1710-1719.	5.5	52

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19	Clinicopathological Characteristics of Adamantinomatous and Papillary Craniopharyngiomas: University of California, San Francisco Experience 1985-2005. <i>Neurosurgery</i> , 2010, 67, 1341-1349.	1.1	51
20	Pediatric bithalamic gliomas have a distinct epigenetic signature and frequent EGFR exon 20 insertions resulting in potential sensitivity to targeted kinase inhibition. <i>Acta Neuropathologica</i> , 2020, 139, 1071-1088.	7.7	50
21	Myxoid glioneuronal tumor, <i>PDGFRA</i> p.K385â€mutant: clinical, radiologic, and histopathologic features. <i>Brain Pathology</i> , 2020, 30, 479-494.	4.1	46
22	Identification of high-risk human papillomavirus and Rb/E2F pathway genomic alterations in mutually exclusive subsets of colorectal neuroendocrine carcinoma. <i>Modern Pathology</i> , 2019, 32, 290-305.	5.5	45
23	Intracranial mesenchymal tumor with FETâ€CREB fusionâ€”A unifying diagnosis for the spectrum of intracranial myxoid mesenchymal tumors and angiomatoid fibrous histiocytomaâ€like neoplasms. <i>Brain Pathology</i> , 2021, 31, e12918.	4.1	44
24	Anterior Segment Optical Coherence Tomography as a Screening Tool for the Assessment of the Anterior Segment Angle. <i>Ophthalmic Surgery Lasers and Imaging Retina</i> , 2009, 40, 389-398.	0.7	43
25	Spinal Myxopapillary Ependymomas Demonstrate a Warburg Phenotype. <i>Clinical Cancer Research</i> , 2015, 21, 3750-3758.	7.0	40
26	Next-Generation Sequencing of Retinoblastoma Identifies Pathogenic Alterations beyond RB1 Inactivation That Correlate with Aggressive Histopathologic Features. <i>Ophthalmology</i> , 2020, 127, 804-813.	5.2	39
27	Myxoid glioneuronal tumor of the septum pellucidum and lateral ventricle is defined by a recurrent PDGFRA p.K385 mutation and DNT-like methylation profile. <i>Acta Neuropathologica</i> , 2018, 136, 339-343.	7.7	37
28	Comprehensive analysis of diverse low-grade neuroepithelial tumors with FGFR1 alterations reveals a distinct molecular signature of rosette-forming glioneuronal tumor. <i>Acta Neuropathologica Communications</i> , 2020, 8, 151.	5.2	35
29	Clinical, radiologic, and genetic characteristics of histone H3 K27M-mutant diffuse midline gliomas in adults. <i>Neuro-Oncology Advances</i> , 2020, 2, vdaa142.	0.7	35
30	Histologic Changes Following Continuous Wave and Micropulse Transscleral Cyclophotocoagulation: A Randomized Comparative Study. <i>Translational Vision Science and Technology</i> , 2020, 9, 22.	2.2	35
31	Pituitary neuroendocrine tumors (PitNETs): nomenclature evolution, not clinical revolution. <i>Pituitary</i> , 2020, 23, 322-325.	2.9	34
32	Clear cell meningiomas are defined by a highly distinct DNA methylation profile and mutations in SMARCE1. <i>Acta Neuropathologica</i> , 2021, 141, 281-290.	7.7	31
33	The Meningioma Enhancer Landscape Delineates Novel Subgroups and Drives Druggable Dependencies. <i>Cancer Discovery</i> , 2020, 10, 1722-1741.	9.4	30
34	Detection of glioma infiltration at the tumor margin using quantitative stimulated Raman scattering histology. <i>Scientific Reports</i> , 2021, 11, 12162.	3.3	28
35	Effect of Measurement Order Between Right and Left Eyes on Intraocular Pressure Measurement. <i>JAMA Ophthalmology</i> , 2011, 129, 276.	2.4	27
36	Apparent diffusion coefficient and pituitary macroadenomas: pre-operative assessment of tumor atypia. <i>Pituitary</i> , 2017, 20, 195-200.	2.9	25

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37	Clinicopathologic features of anaplastic myxopapillary ependymomas. <i>Brain Pathology</i> , 2019, 29, 75-84.	4.1	25
38	Low-grade small round cell tumor of the cauda equina with EWSR1-WT1 fusion and indolent clinical course. <i>Human Pathology</i> , 2015, 46, 153-158.	2.0	23
39	Using germline variants to estimate glioma and subtype risks. <i>Neuro-Oncology</i> , 2019, 21, 451-461.	1.2	23
40	Recurrent non-canonical histone H3 mutations in spinal cord diffuse gliomas. <i>Acta Neuropathologica</i> , 2019, 138, 877-881.	7.7	21
41	Surgical resection of fourth ventricular ependymomas: case series and technical nuances. <i>Journal of Neuro-Oncology</i> , 2016, 130, 341-349.	2.9	20
42	Clinicopathologic and molecular features of intracranial desmoplastic small round cell tumors. <i>Brain Pathology</i> , 2020, 30, 213-225.	4.1	20
43	SOX10 Distinguishes Pilocytic and Piloxyoid Astrocytomas From Ependymomas but Shows No Differences in Expression Level in Ependymomas From Infants Versus Older Children or Among Molecular Subgroups. <i>Journal of Neuropathology and Experimental Neurology</i> , 2016, 75, 295-298.	1.7	19
44	A Prognostic Gene-Expression Signature and Risk Score for Meningioma Recurrence After Resection. <i>Neurosurgery</i> , 2021, 88, 202-210.	1.1	19
45	Adult diffuse glioma GWAS by molecular subtype identifies variants in <i>D2HGDH</i> and <i>FAM20C</i> . <i>Neuro-Oncology</i> , 2020, 22, 1602-1613.	1.2	19
46	Molecular features and clinical outcomes in surgically treated low-grade diffuse gliomas in patients over the age of 60. <i>Journal of Neuro-Oncology</i> , 2019, 141, 383-391.	2.9	18
47	Gliomas arising in the setting of Li-Fraumeni syndrome stratify into two molecular subgroups with divergent clinicopathologic features. <i>Acta Neuropathologica</i> , 2020, 139, 953-957.	7.7	18
48	Pediatric meningioma: a clinicopathologic and molecular study with potential grading implications. <i>Brain Pathology</i> , 2020, 30, 1134-1143.	4.1	17
49	Utility of Pit-1 Immunostaining in Distinguishing Pituitary Adenomas of Primitive Differentiation from Null Cell Adenomas. <i>Endocrine Pathology</i> , 2017, 28, 287-292.	9.0	16
50	Genetic predisposition to longer telomere length and risk of childhood, adolescent and adult-onset ependymoma. <i>Acta Neuropathologica Communications</i> , 2020, 8, 173.	5.2	15
51	The immunohistochemical, DNA methylation, and chromosomal copy number profile of cauda equina paraganglioma is distinct from extra-spinal paraganglioma. <i>Acta Neuropathologica</i> , 2020, 140, 907-917.	7.7	13
52	Telomere alterations in neurofibromatosis type 1-associated solid tumors. <i>Acta Neuropathologica Communications</i> , 2019, 7, 139.	5.2	12
53	Pitfalls in the use of whole slide imaging for the diagnosis of central nervous system tumors: A pilot study in surgical neuropathology. <i>Journal of Pathology Informatics</i> , 2016, 7, 25.	1.7	11
54	Intracranial mesenchymal tumors with FET- CREB fusion are composed of at least two epigenetic subgroups distinct from meningioma and extracranial sarcomas. <i>Brain Pathology</i> , 2022, 32, e13037.	4.1	11

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55	Pathology of meningiomas. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2020, 169, 87-99.	1.8	10
56	Prospective genomically guided identification of "early/evolving" and "undersampled" IDH-wildtype glioblastoma leads to improved clinical outcomes. Neuro-Oncology, 2022, 24, 1749-1762.	1.2	10
57	Intratumor and informatic heterogeneity influence meningioma molecular classification. Acta Neuropathologica, 2022, 144, 579-583.	7.7	10
58	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.	7.7	9
59	Meningioma cells express primary cilia but do not transduce ciliary Hedgehog signals. Acta Neuropathologica Communications, 2020, 8, 114.	5.2	8
60	A genetically distinct pediatric subtype of primary CNS large B-cell lymphoma is associated with favorable clinical outcome. Blood Advances, 2022, 6, 3189-3193.	5.2	7
61	Comparison of New Diagnostic Tools for Malignant Peripheral Nerve Sheath Tumors. Pathology and Oncology Research, 2017, 23, 393-398.	1.9	6
62	Histopathologic findings in malignant peripheral nerve sheath tumor predict response to radiotherapy and overall survival. Neuro-Oncology Advances, 2020, 2, vdaa131.	0.7	6
63	Intracapsular High-Grade Ductal Carcinoma In-Situ Ex Pleomorphic Adenoma of the Lacrimal Gland. Ophthalmic Plastic and Reconstructive Surgery, 2020, 36, e1-e3.	0.8	5
64	Preferentially Expressed Antigen in Melanoma (PRAME) Expression in Malignant, but Not Benign, Peripheral Nerve Sheath Tumors. Journal of Neuropathology and Experimental Neurology, 2021, 80, 384-386.	1.7	5
65	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.	1.7	5
66	Simultaneous serum aquaporin-4 antibody and CSF NMDA receptor antibody "positive encephalitis. Neurology: Neuroimmunology and NeuroInflammation, 2015, 2, e101.	6.0	4
67	Practical Molecular Pathologic Diagnosis of Infiltrating Gliomas. Surgical Pathology Clinics, 2015, 8, 49-61.	1.7	3
68	Genetic Markers in Adult High-Grade Gliomas. Seminars in Radiation Oncology, 2014, 24, 235-239.	2.2	2
69	Choroidal Lymphoma Discovered on Ultrasound in a Patient with Suspected Corneal Tumor. Ocular Oncology and Pathology, 2018, 4, 318-321.	1.0	2
70	Loss of fidelity in scanned digital images compared to glass slides of brain tumors resected using cavitron ultrasonic surgical aspirator. Brain Pathology, 2021, 31, e12938.	4.1	2
71	Low-grade endometrial stromal sarcoma metastatic to the breast: Immunohistochemical and molecular characterization of an unusual mimic of mammary myofibroblastoma. Human Pathology: Case Reports, 2020, 22, 200447.	0.2	2
72	Iris and Ciliary Body Melanocytomas Are Defined by Solitary GNAQ Mutation Without Additional Oncogenic Alterations. Ophthalmology, 2022, 129, 1429-1439.	5.2	2

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73	TRAF7 somatic mosaicism in a patient with bilateral optic nerve sheath meningiomas: illustrative case. Journal of Neurosurgery Case Lessons, 2022, 3, .	0.3	1
74	Aggressive chemotherapy aimed at obviating radiation in two very young infants with disseminated anaplastic ependymoma. Pediatric Hematology Oncology Journal, 2021, , .	0.1	0