

Pieter Wesseling

List of Publications by Year in descending order

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325
papers

39,925
citations

6233

80
h-index

3094

187
g-index

336
all docs

336
docs citations

336
times ranked

37940
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of radiotherapy with concomitant and adjuvant temozolomide versus radiotherapy alone on survival in glioblastoma in a randomised phase III study: 5-year analysis of the EORTC-NCIC trial. <i>Lancet Oncology</i> , The, 2009, 10, 459-466.	5.1	6,451
2	The 2021 WHO Classification of Tumors of the Central Nervous System: a summary. <i>Neuro-Oncology</i> , 2021, 23, 1231-1251.	0.6	4,534
3	Immunotherapy of Diffuse Gliomas: Biological Background, Current Status and Future Developments. <i>Brain Pathology</i> , 2009, 19, 674-693.	2.1	2,884
4	DNA methylation-based classification of central nervous system tumours. <i>Nature</i> , 2018, 555, 469-474.	13.7	1,872
5	Analysis of BRAF V600E mutation in 1,320 nervous system tumors reveals high mutation frequencies in pleomorphic xanthoastrocytoma, ganglioglioma and extra-cerebellar pilocytic astrocytoma. <i>Acta Neuropathologica</i> , 2011, 121, 397-405.	3.9	914
6	Overcoming the blood-brain tumor barrier for effective glioblastoma treatment. <i>Drug Resistance Updates</i> , 2015, 19, 1-12.	6.5	706
7	New Brain Tumor Entities Emerge from Molecular Classification of CNS-PNETs. <i>Cell</i> , 2016, 164, 1060-1072.	13.5	702
8	RNA-Seq of Tumor-Educated Platelets Enables Blood-Based Pan-Cancer, Multiclass, and Molecular Pathway Cancer Diagnostics. <i>Cancer Cell</i> , 2015, 28, 666-676.	7.7	700
9	The immunosuppressive tumour network: myeloid-derived suppressor cells, regulatory T cells and natural killer T cells. <i>Immunology</i> , 2013, 138, 105-115.	2.0	643
10	WHO 2016 Classification of gliomas. <i>Neuropathology and Applied Neurobiology</i> , 2018, 44, 139-150.	1.8	612
11	Diffuse glioma growth: a guerilla war. <i>Acta Neuropathologica</i> , 2007, 114, 443-458.	3.9	513
12	International Society of NeuroPathology's Harmonized Consensus Guidelines for Nervous System Tumor Classification and Grading. <i>Brain Pathology</i> , 2014, 24, 429-435.	2.1	499
13	IDH1 and IDH2 Mutations Are Prognostic but not Predictive for Outcome in Anaplastic Oligodendroglial Tumors: A Report of the European Organization for Research and Treatment of Cancer Brain Tumor Group. <i>Clinical Cancer Research</i> , 2010, 16, 1597-1604.	3.2	364
14	cIMPACTNOW update 6: new entity and diagnostic principle recommendations of the cIMPACTNtrecht meeting on future CNS tumor classification and grading. <i>Brain Pathology</i> , 2020, 30, 844-856.	2.1	363
15	DNA copy number analysis of fresh and formalin-fixed specimens by shallow whole-genome sequencing with identification and exclusion of problematic regions in the genome assembly. <i>Genome Research</i> , 2014, 24, 2022-2032.	2.4	362
16	Germline Mutation of INI1/SMARCB1 in Familial Schwannomatosis. <i>American Journal of Human Genetics</i> , 2007, 80, 805-810.	2.6	360
17	EANO's ESMO Clinical Practice Guidelines for diagnosis, treatment and follow-up of patients with leptomeningeal metastasis from solid tumours. <i>Annals of Oncology</i> , 2017, 28, iv84-iv99.	0.6	331
18	Longitudinal molecular trajectories of diffuse glioma in adults. <i>Nature</i> , 2019, 576, 112-120.	13.7	320

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19	Interim results from the CATNON trial (EORTC study 26053-22054) of treatment with concurrent and adjuvant temozolomide for 1p/19q non-co-deleted anaplastic glioma: a phase 3, randomised, open-label intergroup study. <i>Lancet, The</i> , 2017, 390, 1645-1653.	6.3	307
20	Clinical and pathologic abnormalities in a family with parkinsonism and <i>parkin</i> gene mutations. <i>Neurology</i> , 2001, 56, 555-557.	1.5	288
21	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.	3.9	281
22	IDH mutant diffuse and anaplastic astrocytomas have similar age at presentation and little difference in survival: a grading problem for WHO. <i>Acta Neuropathologica</i> , 2015, 129, 867-873.	3.9	272
23	IDH mutation status and role of WHO grade and mitotic index in overall survival in grade II-III diffuse gliomas. <i>Acta Neuropathologica</i> , 2015, 129, 585-596.	3.9	272
24	Molecular diagnostics of gliomas: state of the art. <i>Acta Neuropathologica</i> , 2010, 120, 567-584.	3.9	243
25	In Silico Analysis of Kinase Expression Identifies WEE1 as a Gatekeeper against Mitotic Catastrophe in Glioblastoma. <i>Cancer Cell</i> , 2010, 18, 244-257.	7.7	238
26	Sarcoma classification by DNA methylation profiling. <i>Nature Communications</i> , 2021, 12, 498.	5.8	237
27	Swarm Intelligence-Enhanced Detection of Non-Small-Cell Lung Cancer Using Tumor-Educated Platelets. <i>Cancer Cell</i> , 2017, 32, 238-252.e9.	7.7	235
28	Development and developmental disorders of the human cerebellum. <i>Journal of Neurology</i> , 2003, 250, 1025-1036.	1.8	223
29	Glioma: experimental models and reality. <i>Acta Neuropathologica</i> , 2017, 133, 263-282.	3.9	223
30	Development of a decision support system for diagnosis and grading of brain tumours using in vivo magnetic resonance single voxel spectra. <i>NMR in Biomedicine</i> , 2006, 19, 411-434.	1.6	216
31	Antiangiogenic Therapy of Cerebral Melanoma Metastases Results in Sustained Tumor Progression via Vessel Co-Option. <i>Clinical Cancer Research</i> , 2004, 10, 6222-6230.	3.2	213
32	Regulatory T cells and the PD-L1/PD-1 pathway mediate immune suppression in malignant human brain tumors. <i>Neuro-Oncology</i> , 2009, 11, 394-402.	0.6	203
33	Angiogenesis in brain tumors; pathobiological and clinical aspects. <i>Journal of Neuro-Oncology</i> , 1997, 32, 253-265.	1.4	202
34	CD4+FoxP3+ regulatory T cells gradually accumulate in gliomas during tumor growth and efficiently suppress anti-glioma immune responses in vivo. <i>International Journal of Cancer</i> , 2007, 121, 95-105.	2.3	199
35	Specific association of small heat shock proteins with the pathological hallmarks of Alzheimer's disease brains. <i>Neuropathology and Applied Neurobiology</i> , 2006, 32, 119-130.	1.8	197
36	Heparan sulphate proteoglycans in Alzheimer's disease and amyloid-related disorders. <i>Lancet Neurology, The</i> , 2003, 2, 482-492.	4.9	192

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37	Histologic classification of gliomas. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2016, 134, 71-95.	1.0	190
38	Receptor conversion in distant breast cancer metastases. Breast Cancer Research, 2010, 12, R75.	2.2	189
39	Tumor-Educated Platelets as a Noninvasive Biomarker Source for Cancer Detection and Progression Monitoring. Cancer Research, 2018, 78, 3407-3412.	0.4	188
40	Prognostic significance and mechanism of Treg infiltration in human brain tumors. Journal of Neuroimmunology, 2010, 225, 195-199.	1.1	180
41	Oligodendroglioma: pathology, molecular mechanisms and markers. Acta Neuropathologica, 2015, 129, 809-827.	3.9	162
42	MS-MLPA: an attractive alternative laboratory assay for robust, reliable, and semiquantitative detection of MGMT promoter hypermethylation in gliomas. Laboratory Investigation, 2007, 87, 1055-1065.	1.7	161
43	The combination of IDH1 mutations and MGMT methylation status predicts survival in glioblastoma better than either IDH1 or MGMT alone. Neuro-Oncology, 2014, 16, 1263-1273.	0.6	159
44	Induction of alpha-smooth muscle actin expression in cultured human brain pericytes by transforming growth factor-beta 1. American Journal of Pathology, 1994, 144, 372-82.	1.9	155
45	Cerebrotendinous Xanthomatosis: The Spectrum of Imaging Findings and the Correlation with Neuropathologic Findings. Radiology, 2000, 217, 869-876.	3.6	147
46	cIMPACT-NOW update 1: Not Otherwise Specified (NOS) and Not Elsewhere Classified (NEC). Acta Neuropathologica, 2018, 135, 481-484.	3.9	145
47	Evolution of DNA repair defects during malignant progression of low-grade gliomas after temozolomide treatment. Acta Neuropathologica, 2015, 129, 597-607.	3.9	143
48	Molecular classification of anaplastic oligodendroglioma using next-generation sequencing: a report of the prospective randomized EORTC Brain Tumor Group 26951 phase III trial. Neuro-Oncology, 2016, 18, 388-400.	0.6	143
49	Early and Extensive Contribution of Pericytes/Vascular Smooth Muscle Cells to Microvascular Proliferation in Glioblastoma Multiforme. Journal of Neuropathology and Experimental Neurology, 1995, 54, 304-310.	0.9	132
50	Aminopeptidase A is a functional target in angiogenic blood vessels. Cancer Cell, 2004, 5, 151-162.	7.7	132
51	Adjuvant and concurrent temozolomide for 1p/19q non-co-deleted anaplastic glioma (CATNON; EORTC) Tj ETQq1 1 0.784314 rgBT /Oncology, The, 2021, 22, 813-823.	5.1	132
52	Molecular pathology of tumors of the central nervous system. Annals of Oncology, 2019, 30, 1265-1278.	0.6	129
53	Activating mutations of the GNAQ gene: a frequent event in primary melanocytic neoplasms of the central nervous system. Acta Neuropathologica, 2010, 119, 317-323.	3.9	128
54	Vascular endothelial growth factor-A(165) induces progression of melanoma brain metastases without induction of sprouting angiogenesis. Cancer Research, 2002, 62, 341-5.	0.4	128

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55	Comparison between neuroimaging classifications and histopathological diagnoses using an international multicenter brain tumor magnetic resonance imaging database. <i>Journal of Neurosurgery</i> , 2006, 105, 6-14.	0.9	126
56	Agria Is a Major Heparan Sulfate Proteoglycan Accumulating in Alzheimer's Disease Brain. <i>American Journal of Pathology</i> , 1999, 155, 2115-2125.	1.9	123
57	Announcing cIMPACT-NOW: the Consortium to Inform Molecular and Practical Approaches to CNS Tumor Taxonomy. <i>Acta Neuropathologica</i> , 2017, 133, 1-3.	3.9	120
58	Elevated levels of polymorphonuclear myeloid-derived suppressor cells in patients with glioblastoma highly express S100A8/9 and arginase and suppress T cell function. <i>Neuro-Oncology</i> , 2016, 18, 1253-1264.	0.6	119
59	Glioma through the looking GLASS: molecular evolution of diffuse gliomas and the Glioma Longitudinal Analysis Consortium. <i>Neuro-Oncology</i> , 2018, 20, 873-884.	0.6	119
60	Development and malformations of the human pyramidal tract. <i>Journal of Neurology</i> , 2004, 251, 1429-1442.	1.8	117
61	In Vitro Drug Response and Efflux Transporters Associated with Drug Resistance in Pediatric High Grade Glioma and Diffuse Intrinsic Pontine Glioma. <i>PLoS ONE</i> , 2013, 8, e61512.	1.1	108
62	Collision sellar lesions: experience with eight cases and review of the literature. <i>Pituitary</i> , 2010, 13, 8-17.	1.6	107
63	A Hypermethylated Phenotype Is a Better Predictor of Survival than <i>MGMT</i> Methylation in Anaplastic Oligodendroglial Brain Tumors: A Report from EORTC Study 26951. <i>Clinical Cancer Research</i> , 2011, 17, 7148-7155.	3.2	107
64	<i>MGMT</i> -STP27 Methylation Status as Predictive Marker for Response to PCV in Anaplastic Oligodendrogliomas and Oligoastrocytomas. A Report from EORTC Study 26951. <i>Clinical Cancer Research</i> , 2013, 19, 5513-5522.	3.2	106
65	Multiplex Ligation-Dependent Probe Amplification. <i>Journal of Molecular Diagnostics</i> , 2006, 8, 433-443.	1.2	105
66	RAS/RAF pathway activation in gliomas: the result of copy number gains rather than activating mutations. <i>Acta Neuropathologica</i> , 2007, 114, 121-133.	3.9	105
67	Digital PCR quantification of <i>MGMT</i> methylation refines prediction of clinical benefit from alkylating agents in glioblastoma and metastatic colorectal cancer. <i>Annals of Oncology</i> , 2015, 26, 1994-1999.	0.6	105
68	Quantitative immunohistological analysis of the microvasculature in untreated human glioblastoma multiforme. <i>Journal of Neurosurgery</i> , 1994, 81, 902-909.	0.9	101
69	Significance of complete 1p/19q co-deletion, IDH1 mutation and <i>MGMT</i> promoter methylation in gliomas: use with caution. <i>Modern Pathology</i> , 2013, 26, 922-929.	2.9	100
70	Molecular pathogenesis of oligodendroglial tumors. <i>Journal of Neuro-Oncology</i> , 2004, 70, 161-181.	1.4	99
71	Intrinsic Molecular Subtypes of Glioma Are Prognostic and Predict Benefit From Adjuvant Procarbazine, Lomustine, and Vincristine Chemotherapy in Combination With Other Prognostic Factors in Anaplastic Oligodendroglial Brain Tumors: A Report From EORTC Study 26951. <i>Journal of Clinical Oncology</i> , 2013, 31, 328-336.	0.8	99
72	Antiangiogenic compounds interfere with chemotherapy of brain tumors due to vessel normalization. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 71-78.	1.9	98

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73	Myc-associated zinc finger protein (MAZ) is regulated by miR-125b and mediates VEGF-induced angiogenesis in glioblastoma. <i>FASEB Journal</i> , 2012, 26, 2639-2647.	0.2	98
74	Increase in Both CD14-Positive and CD15-Positive Myeloid-Derived Suppressor Cell Subpopulations in the Blood of Patients With Glioma But Predominance of CD15-Positive Myeloid-Derived Suppressor Cells in Glioma Tissue. <i>Journal of Neuropathology and Experimental Neurology</i> , 2015, 74, 390-400.	0.9	98
75	Quantitative analysis of microvascular changes in diffuse astrocytic neoplasms with increasing grade of malignancy. <i>Human Pathology</i> , 1998, 29, 352-358.	1.1	95
76	The molecular landscape of ETMR at diagnosis and relapse. <i>Nature</i> , 2019, 576, 274-280.	13.7	94
77	Heparan sulfate proteoglycan expression in cerebrovascular amyloid β^2 deposits in Alzheimer's disease and hereditary cerebral hemorrhage with amyloidosis (Dutch) brains. <i>Acta Neuropathologica</i> , 2001, 102, 604-614.	3.9	93
78	Primary Melanocytic Tumors of the Central Nervous System: a Review with Focus on Molecular Aspects. <i>Brain Pathology</i> , 2015, 25, 209-226.	2.1	88
79	Expression pattern of apoptosis-related markers in Huntington's disease. <i>Acta Neuropathologica</i> , 2005, 109, 321-328.	3.9	87
80	Identification of Subgroups of High-grade Oligodendroglial Tumors by Comparative Genomic Hybridization. <i>Journal of Neuropathology and Experimental Neurology</i> , 1999, 58, 606-612.	0.9	83
81	Prognostic value of estrogen receptor β and progesterone receptor conversion in distant breast cancer metastases. <i>Cancer</i> , 2012, 118, 4929-4935.	2.0	81
82	Liquid biopsies in patients with diffuse glioma. <i>Acta Neuropathologica</i> , 2015, 129, 849-865.	3.9	81
83	Hypoxia-Mediated Mechanisms Associated with Antiangiogenic Treatment Resistance in Glioblastomas. <i>American Journal of Pathology</i> , 2017, 187, 940-953.	1.9	80
84	Mapping of the SCA23 locus involved in autosomal dominant cerebellar ataxia to chromosome region 20p13-12.3. <i>Brain</i> , 2004, 127, 2551-2557.	3.7	79
85	p120-catenin-dependent collective brain infiltration by glioma cell networks. <i>Nature Cell Biology</i> , 2020, 22, 97-107.	4.6	79
86	Spinal xanthomatosis: a variant of cerebrotendinous xanthomatosis. <i>Brain</i> , 1999, 122, 1589-1595.	3.7	77
87	Presence of an oligodendroglioma-like component in newly diagnosed glioblastoma identifies a pathogenetically heterogeneous subgroup and lacks prognostic value: central pathology review of the EORTC_26981/NCIC_CE.3 trial. <i>Acta Neuropathologica</i> , 2012, 123, 841-852.	3.9	77
88	AMINOPEPTIDASE A IS A CONSTITUENT OF ACTIVATED PERICYTES IN ANGIOGENESIS. <i>Journal of Pathology</i> , 1996, 179, 436-442.	2.1	75
89	A subset of pediatric-type thalamic gliomas share a distinct DNA methylation profile, H3K27me3 loss and frequent alteration of <i>EGFR</i> . <i>Neuro-Oncology</i> , 2021, 23, 34-43.	0.6	75
90	Subventricular spread of diffuse intrinsic pontine glioma. <i>Acta Neuropathologica</i> , 2014, 128, 605-607.	3.9	74

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91	Accumulation of intercellular adhesion molecule-1 in senile plaques in brain tissue of patients with Alzheimer's disease. <i>American Journal of Pathology</i> , 1994, 144, 104-116.	1.9	74
92	Successful Treatment of Fusarium Keratitis with Cornea Transplantation and Topical and Systemic Voriconazole. <i>Clinical Infectious Diseases</i> , 2005, 40, e110-e112.	2.9	73
93	Differential effects of vascular endothelial growth factor A isoforms in a mouse brain metastasis model of human melanoma. <i>Cancer Research</i> , 2003, 63, 5408-13.	0.4	72
94	Long-term survival and transmission of INI1-mutation via nonpenetrant males in a family with rhabdoid tumour predisposition syndrome. <i>British Journal of Cancer</i> , 2008, 98, 474-479.	2.9	71
95	Molecular analysis of anaplastic oligodendroglial tumors in a prospective randomized study: A report from EORTC study 26951. <i>Neuro-Oncology</i> , 2009, 11, 737-746.	0.6	71
96	Optical clearing and fluorescence deep-tissue imaging for 3D quantitative analysis of the brain tumor microenvironment. <i>Angiogenesis</i> , 2017, 20, 533-546.	3.7	71
97	Accurate classification of childhood brain tumours by in vivo 1H MRS – A multi-centre study. <i>European Journal of Cancer</i> , 2013, 49, 658-667.	1.3	70
98	Effects of Dual Targeting of Tumor Cells and Stroma in Human Glioblastoma Xenografts with a Tyrosine Kinase Inhibitor against c-MET and VEGFR2. <i>PLoS ONE</i> , 2013, 8, e58262.	1.1	70
99	A Summary of the Inaugural WHO Classification of Pediatric Tumors: Transitioning from the Optical into the Molecular Era. <i>Cancer Discovery</i> , 2022, 12, 331-355.	7.7	70
100	Collagen XVIII: a Novel Heparan Sulfate Proteoglycan Associated with Vascular Amyloid Depositions and Senile Plaques in Alzheimer's Disease Brains. <i>Brain Pathology</i> , 2002, 12, 456-462.	2.1	69
101	Robust Detection of EGFR Copy Number Changes and EGFR Variant III: Technical Aspects and Relevance for Glioma Diagnostics. <i>Brain Pathology</i> , 2009, 19, 661-671.	2.1	69
102	Keratitis Caused by <i>Scedosporium apiospermum</i> Successfully Treated with a Cornea Transplant and Voriconazole. <i>Journal of Clinical Microbiology</i> , 2003, 41, 2261-2264.	1.8	68
103	Phenotypic and Genotypic Characterization of Orthotopic Human Glioma Models and Its Relevance for the Study of Anti-glioma Therapy. <i>Brain Pathology</i> , 2008, 18, 423-433.	2.1	67
104	Correlation between localization, age, and chromosomal imbalances in ependymal tumours as detected by CGH. <i>Journal of Pathology</i> , 2002, 197, 238-244.	2.1	66
105	Accumulation of heparan sulfate proteoglycans in cerebellar senile plaques. <i>Neurobiology of Aging</i> , 2002, 23, 537-545.	1.5	64
106	Glycosylated extracellular vesicles released by glioblastoma cells are decorated by CCL18 allowing for cellular uptake via chemokine receptor CCR8. <i>Journal of Extracellular Vesicles</i> , 2018, 7, 1446660.	5.5	64
107	Human pontine glioma cells can induce murine tumors. <i>Acta Neuropathologica</i> , 2014, 127, 897-909.	3.9	63
108	Third harmonic generation imaging for fast, label-free pathology of human brain tumors. <i>Biomedical Optics Express</i> , 2016, 7, 1889.	1.5	63

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109	cIMPACTâ€œNOW (the consortium to inform molecular and practical approaches to CNS tumor) Tj ETQq1 1 0.784314 rgBT /Overlock 10 27, 851-852.	2.1	63
110	Vascular endothelial growth factor-A determines detectability of experimental melanoma brain metastasis in GD-DTPA-enhanced MRI.. International Journal of Cancer, 2003, 105, 437-443.	2.3	62
111	Histological effects of fibrin glue on nervous tissue. World Neurosurgery, 2002, 57, 415-422.	1.3	61
112	Protein tyrosine phosphatases in glioma biology. Acta Neuropathologica, 2010, 119, 157-175.	3.9	61
113	Primary Melanoma of the CNS in Children Is Driven by Congenital Expression of Oncogenic <i>NRAS</i> in Melanocytes. Cancer Discovery, 2013, 3, 458-469.	7.7	61
114	Reconstructing the molecular life history of gliomas. Acta Neuropathologica, 2018, 135, 649-670.	3.9	61
115	Counting mitoses: SI(ze) matters!. Modern Pathology, 2021, 34, 1651-1657.	2.9	61
116	Improved discrimination of melanotic schwannoma from melanocytic lesions by combined morphological and GNAQ mutational analysis. Acta Neuropathologica, 2010, 120, 755-764.	3.9	60
117	Improved detection of diffuse glioma infiltration with imaging combinations: a diagnostic accuracy study. Neuro-Oncology, 2020, 22, 412-422.	0.6	59
118	Chloroquine combined with concurrent radiotherapy and temozolomide for newly diagnosed glioblastoma: a phase IB trial. Autophagy, 2021, 17, 2604-2612.	4.3	59
119	Brain tumour diagnostics using a DNA methylationâ€œbased classifier as a diagnostic support tool. Neuropathology and Applied Neurobiology, 2020, 46, 478-492.	1.8	59
120	Glioblastomas exploit truncated O<i>-linked</i> glycan for local and distant immune modulation via the macrophage galactose-type lectin. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 3693-3703.	3.3	57
121	Vascular density in melanoma xenografts correlates with vascular permeability factor expression but not with metastatic potential. British Journal of Cancer, 1997, 76, 561-570.	2.9	56
122	Characterisation of tumour vasculature in mouse brain by USPIO contrast-enhanced MRI. British Journal of Cancer, 2008, 98, 1784-1789.	2.9	56
123	The pathological diagnosis of diffuse gliomas: towards a smart synthesis of microscopic and molecular information in a multidisciplinary context. Diagnostic Histopathology, 2011, 17, 486-494.	0.2	56
124	Subtyping of oligo-astrocytic tumours by comparative genomic hybridization. Journal of Pathology, 2001, 194, 81-87.	2.1	55
125	MAPK pathway activation through <i>BRAF</i> gene fusion in pilocytic astrocytomas; a novel oncogenic fusion gene with diagnostic, prognostic, and therapeutic potential. Journal of Pathology, 2010, 222, 324-328.	2.1	54
126	Increased mitochondrial activity in a novel IDH1-R132H mutant human oligodendroglioma xenograft model: in situ detection of 2-HG and Î±-KG. Acta Neuropathologica Communications, 2013, 1, 18.	2.4	54

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127	Monitoring of Tumor Growth and Post-irradiation Recurrence in a Diffuse Intrinsic Pontine Glioma Mouse Model. <i>Brain Pathology</i> , 2011, 21, 441-451.	2.1	53
128	Giant cavernous hemangiomas: report of three cases. <i>Neurosurgical Review</i> , 2007, 30, 83-92.	1.2	52
129	Tumor-Educated Platelet RNA for the Detection and (Pseudo)progression Monitoring of Glioblastoma. <i>Cell Reports Medicine</i> , 2020, 1, 100101.	3.3	52
130	Primary mismatch repair deficient IDH-mutant astrocytoma (PMMRDIA) is a distinct type with a poor prognosis. <i>Acta Neuropathologica</i> , 2021, 141, 85-100.	3.9	52
131	Magnetic resonance imaging-based detection of glial brain tumors in mice after antiangiogenic treatment. <i>International Journal of Cancer</i> , 2008, 122, 1981-1986.	2.3	51
132	Bevacizumab Targeting Diffuse Intrinsic Pontine Glioma: Results of 89Zr-Bevacizumab PET Imaging in Brain Tumor Models. <i>Molecular Cancer Therapeutics</i> , 2016, 15, 2166-2174.	1.9	51
133	Diffuse glioneuronal tumour with oligodendroglioma-like features and nuclear clusters (DGONC) – a molecularly defined glioneuronal CNS tumour class displaying recurrent monosomy 14. <i>Neuropathology and Applied Neurobiology</i> , 2020, 46, 422-430.	1.8	51
134	Expression profiling of immune inhibitory Siglecs and their ligands in patients with glioma. <i>Cancer Immunology, Immunotherapy</i> , 2019, 68, 937-949.	2.0	49
135	Hypokinesia and presenile dementia in a Dutch family with a novel insertion in the prion protein gene. <i>Brain</i> , 1995, 118, 1565-1571.	3.7	47
136	Chromosomal imbalances in primary oligodendroglial tumors and their recurrences: clues about malignant progression detected using comparative genomic hybridization. <i>Journal of Neurosurgery</i> , 2002, 96, 559-564.	0.9	47
137	Micronodular transformation as a novel mechanism of VEGF-A-induced metastasis. <i>Oncogene</i> , 2007, 26, 5808-5815.	2.6	47
138	Discordance in ER \pm , PR and HER2 receptor status across different distant breast cancer metastases within the same patient. <i>Annals of Oncology</i> , 2013, 24, 3017-3023.	0.6	47
139	Experimental treatment of NRAS-mutated neurocutaneous melanocytosis with MEK162, a MEK-inhibitor. <i>Acta Neuropathologica Communications</i> , 2014, 2, 41.	2.4	47
140	Citrullination of central nervous system proteins during the development of experimental autoimmune encephalomyelitis. <i>Journal of Comparative Neurology</i> , 2005, 486, 243-253.	0.9	46
141	Non-invasive tumor genotyping using radiogenomic biomarkers, a systematic review and oncology-wide pathway analysis. <i>Oncotarget</i> , 2018, 9, 20134-20155.	0.8	46
142	Cellular components of microvascular proliferation in human glial and metastatic brain neoplasms. <i>Acta Neuropathologica</i> , 1993, 85, 508-14.	3.9	44
143	Conventional radiotherapy combined with carbogen breathing and nicotinamide for malignant gliomas. <i>Radiotherapy and Oncology</i> , 1995, 35, 118-122.	0.3	44
144	Preparing pathology for personalized medicine: possibilities for improvement of the pre-analytical phase. <i>Histopathology</i> , 2011, 59, 1-7.	1.6	44

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145	³ Deoxy- ¹⁸ F-Fluorothymidine PET-Derived Proliferative Volume Predicts Overall Survival in High-Grade Glioma Patients. <i>Journal of Nuclear Medicine</i> , 2012, 53, 1904-1910.	2.8	44
146	Amyloid-beta-induced Degeneration of Human Brain Pericytes Is Dependent on the Apolipoprotein E Genotype. <i>Annals of the New York Academy of Sciences</i> , 2000, 903, 187-199.	1.8	43
147	Identification of a novel MET mutation in high-grade glioma resulting in an auto-active intracellular protein. <i>Acta Neuropathologica</i> , 2015, 130, 131-144.	3.9	43
148	Progression of a Nelson's adenoma to pituitary carcinoma; a case report and review of the literature. <i>Journal of Endocrinological Investigation</i> , 1999, 22, 70-75.	1.8	42
149	Diagnostic Accuracy of Neuroimaging to Delineate Diffuse Gliomas within the Brain: A Meta-Analysis. <i>American Journal of Neuroradiology</i> , 2017, 38, 1884-1891.	1.2	42
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