

Pieter Wesseling

List of Publications by Year in descending order

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325
papers

39,925
citations

6254

80
h-index

3106

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.	10.7	6,451
2	The 2021 WHO Classification of Tumors of the Central Nervous System: a summary. <i>Neuro-Oncology</i> , 2021, 23, 1231-1251.	1.2	4,534
3	Immunotherapy of Diffuse Gliomas: Biological Background, Current Status and Future Developments. <i>Brain Pathology</i> , 2009, 19, 674-693.	4.1	2,884
4	DNA methylation-based classification of central nervous system tumours. <i>Nature</i> , 2018, 555, 469-474.	27.8	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.	7.7	914
6	Overcoming the blood-brain tumor barrier for effective glioblastoma treatment. <i>Drug Resistance Updates</i> , 2015, 19, 1-12.	14.4	706
7	New Brain Tumor Entities Emerge from Molecular Classification of CNS-PNETs. <i>Cell</i> , 2016, 164, 1060-1072.	28.9	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.	16.8	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.	4.4	643
10	WHO 2016 Classification of gliomas. <i>Neuropathology and Applied Neurobiology</i> , 2018, 44, 139-150.	3.2	612
11	Diffuse glioma growth: a guerilla war. <i>Acta Neuropathologica</i> , 2007, 114, 443-458.	7.7	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.	4.1	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.	7.0	364
14	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.	4.1	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.	5.5	362
16	Germline Mutation of INI1/SMARCB1 in Familial Schwannomatosis. <i>American Journal of Human Genetics</i> , 2007, 80, 805-810.	6.2	360
17	EANO-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.	1.2	331
18	Longitudinal molecular trajectories of diffuse glioma in adults. <i>Nature</i> , 2019, 576, 112-120.	27.8	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.	13.7	307
20	Clinical and pathologic abnormalities in a family with parkinsonism and <i>parkin</i> gene mutations. <i>Neurology</i> , 2001, 56, 555-557.	1.1	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.	7.7	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.	7.7	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.	7.7	272
24	Molecular diagnostics of gliomas: state of the art. <i>Acta Neuropathologica</i> , 2010, 120, 567-584.	7.7	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.	16.8	238
26	Sarcoma classification by DNA methylation profiling. <i>Nature Communications</i> , 2021, 12, 498.	12.8	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.	16.8	235
28	Development and developmental disorders of the human cerebellum. <i>Journal of Neurology</i> , 2003, 250, 1025-1036.	3.6	223
29	Glioma: experimental models and reality. <i>Acta Neuropathologica</i> , 2017, 133, 263-282.	7.7	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.	2.8	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.	7.0	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.	1.2	203
33	Angiogenesis in brain tumors; pathobiological and clinical aspects. <i>Journal of Neuro-Oncology</i> , 1997, 32, 253-265.	2.9	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.	5.1	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.	3.2	197
36	Heparan sulphate proteoglycans in Alzheimer's disease and amyloid-related disorders. <i>Lancet Neurology, The</i> , 2003, 2, 482-492.	10.2	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.	1.8	190
38	Receptor conversion in distant breast cancer metastases. Breast Cancer Research, 2010, 12, R75.	5.0	189
39	Tumor-Educated Platelets as a Noninvasive Biomarker Source for Cancer Detection and Progression Monitoring. Cancer Research, 2018, 78, 3407-3412.	0.9	188
40	Prognostic significance and mechanism of Treg infiltration in human brain tumors. Journal of Neuroimmunology, 2010, 225, 195-199.	2.3	180
41	Oligodendroglioma: pathology, molecular mechanisms and markers. Acta Neuropathologica, 2015, 129, 809-827.	7.7	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.	3.7	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.	1.2	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.	3.8	155
45	Cerebrotendinous Xanthomatosis: The Spectrum of Imaging Findings and the Correlation with Neuropathologic Findings. Radiology, 2000, 217, 869-876.	7.3	147
46	cIMPACT-NOW update 1: Not Otherwise Specified (NOS) and Not Elsewhere Classified (NEC). Acta Neuropathologica, 2018, 135, 481-484.	7.7	145
47	Evolution of DNA repair defects during malignant progression of low-grade gliomas after temozolomide treatment. Acta Neuropathologica, 2015, 129, 597-607.	7.7	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.	1.2	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.	1.7	132
50	Aminopeptidase A is a functional target in angiogenic blood vessels. Cancer Cell, 2004, 5, 151-162.	16.8	132
51	Adjuvant and concurrent temozolomide for 1p/19q non-co-deleted anaplastic glioma (CATNON; EORTC) Tj ETQq1 1 0.784314 rgBT /Ove Oncology, The, 2021, 22, 813-823.	10.7	132
52	Molecular pathology of tumors of the central nervous system. Annals of Oncology, 2019, 30, 1265-1278.	1.2	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.	7.7	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.	0.9	128

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55	Comparison between neuroimaging classifications and histopathological diagnoses using an international multicenter brain tumor magnetic resonance imaging database. Journal of Neurosurgery, 2006, 105, 6-14.	1.6	126
56	Agrin Is a Major Heparan Sulfate Proteoglycan Accumulating in Alzheimer's Disease Brain. American Journal of Pathology, 1999, 155, 2115-2125.	3.8	123
57	Announcing cIMPACT-NOW: the Consortium to Inform Molecular and Practical Approaches to CNS Tumor Taxonomy. Acta Neuropathologica, 2017, 133, 1-3.	7.7	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. Neuro-Oncology, 2016, 18, 1253-1264.	1.2	119
59	Glioma through the looking GLASS: molecular evolution of diffuse gliomas and the Glioma Longitudinal Analysis Consortium. Neuro-Oncology, 2018, 20, 873-884.	1.2	119
60	Development and malformations of the human pyramidal tract. Journal of Neurology, 2004, 251, 1429-1442.	3.6	117
61	In Vitro Drug Response and Efflux Transporters Associated with Drug Resistance in Pediatric High Grade Glioma and Diffuse Intrinsic Pontine Glioma. PLoS ONE, 2013, 8, e61512.	2.5	108
62	Collision sellar lesions: experience with eight cases and review of the literature. Pituitary, 2010, 13, 8-17.	2.9	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. Clinical Cancer Research, 2011, 17, 7148-7155.	7.0	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. Clinical Cancer Research, 2013, 19, 5513-5522.	7.0	106
65	Multiplex Ligation-Dependent Probe Amplification. Journal of Molecular Diagnostics, 2006, 8, 433-443.	2.8	105
66	RAS/RAF pathway activation in gliomas: the result of copy number gains rather than activating mutations. Acta Neuropathologica, 2007, 114, 121-133.	7.7	105
67	Digital PCR quantification of <i>MGMT</i> methylation refines prediction of clinical benefit from alkylating agents in glioblastoma and metastatic colorectal cancer. Annals of Oncology, 2015, 26, 1994-1999.	1.2	105
68	Quantitative immunohistological analysis of the microvasculature in untreated human glioblastoma multiforme. Journal of Neurosurgery, 1994, 81, 902-909.	1.6	101
69	Significance of complete 1p/19q co-deletion, IDH1 mutation and <i>MGMT</i> promoter methylation in gliomas: use with caution. Modern Pathology, 2013, 26, 922-929.	5.5	100
70	Molecular pathogenesis of oligodendroglial tumors. Journal of Neuro-Oncology, 2004, 70, 161-181.	2.9	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. Journal of Clinical Oncology, 2013, 31, 328-336.	1.6	99
72	Antiangiogenic compounds interfere with chemotherapy of brain tumors due to vessel normalization. Molecular Cancer Therapeutics, 2008, 7, 71-78.	4.1	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.	0.5	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.	1.7	98
75	Quantitative analysis of microvascular changes in diffuse astrocytic neoplasms with increasing grade of malignancy. <i>Human Pathology</i> , 1998, 29, 352-358.	2.0	95
76	The molecular landscape of ETMR at diagnosis and relapse. <i>Nature</i> , 2019, 576, 274-280.	27.8	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.	7.7	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.	4.1	88
79	Expression pattern of apoptosis-related markers in Huntington's disease. <i>Acta Neuropathologica</i> , 2005, 109, 321-328.	7.7	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.	1.7	83
81	Prognostic value of estrogen receptor β and progesterone receptor conversion in distant breast cancer metastases. <i>Cancer</i> , 2012, 118, 4929-4935.	4.1	81
82	Liquid biopsies in patients with diffuse glioma. <i>Acta Neuropathologica</i> , 2015, 129, 849-865.	7.7	81
83	Hypoxia-Mediated Mechanisms Associated with Antiangiogenic Treatment Resistance in Glioblastomas. <i>American Journal of Pathology</i> , 2017, 187, 940-953.	3.8	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.	7.6	79
85	p120-catenin-dependent collective brain infiltration by glioma cell networks. <i>Nature Cell Biology</i> , 2020, 22, 97-107.	10.3	79
86	Spinal xanthomatosis: a variant of cerebrotendinous xanthomatosis. <i>Brain</i> , 1999, 122, 1589-1595.	7.6	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.	7.7	77
88	AMINOPEPTIDASE A IS A CONSTITUENT OF ACTIVATED PERICYTES IN ANGIOGENESIS. <i>Journal of Pathology</i> , 1996, 179, 436-442.	4.5	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.	1.2	75
90	Subventricular spread of diffuse intrinsic pontine glioma. <i>Acta Neuropathologica</i> , 2014, 128, 605-607.	7.7	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, 104-16.	3.8	74
92	Successful Treatment of Fusarium Keratitis with Cornea Transplantation and Topical and Systemic Voriconazole. <i>Clinical Infectious Diseases</i> , 2005, 40, e110-e112.	5.8	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.	0.9	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.	6.4	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.	1.2	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.	7.2	71
97	Accurate classification of childhood brain tumours by in vivo ¹ H MRS – A multi-centre study. <i>European Journal of Cancer</i> , 2013, 49, 658-667.	2.8	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.	2.5	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.	9.4	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.	4.1	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.	4.1	69
102	Keratitis Caused by <i>Scenedosporium apiospermum</i> Successfully Treated with a Cornea Transplant and Voriconazole. <i>Journal of Clinical Microbiology</i> , 2003, 41, 2261-2264.	3.9	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.	4.1	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.	4.5	66
105	Accumulation of heparan sulfate proteoglycans in cerebellar senile plaques. <i>Neurobiology of Aging</i> , 2002, 23, 537-545.	3.1	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.	12.2	64
107	Human pontine glioma cells can induce murine tumors. <i>Acta Neuropathologica</i> , 2014, 127, 897-909.	7.7	63
108	Third harmonic generation imaging for fast, label-free pathology of human brain tumors. <i>Biomedical Optics Express</i> , 2016, 7, 1889.	2.9	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.	4.1	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.	5.1	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.	7.7	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.	9.4	61
114	Reconstructing the molecular life history of gliomas. Acta Neuropathologica, 2018, 135, 649-670.	7.7	61
115	Counting mitoses: SI(ze) matters!. Modern Pathology, 2021, 34, 1651-1657.	5.5	61
116	Improved discrimination of melanotic schwannoma from melanocytic lesions by combined morphological and GNAQ mutational analysis. Acta Neuropathologica, 2010, 120, 755-764.	7.7	60
117	Improved detection of diffuse glioma infiltration with imaging combinations: a diagnostic accuracy study. Neuro-Oncology, 2020, 22, 412-422.	1.2	59
118	Chloroquine combined with concurrent radiotherapy and temozolomide for newly diagnosed glioblastoma: a phase IB trial. Autophagy, 2021, 17, 2604-2612.	9.1	59
119	Brain tumour diagnostics using a DNA methylationâ€œbased classifier as a diagnostic support tool. Neuropathology and Applied Neurobiology, 2020, 46, 478-492.	3.2	59
120	Glioblastomas exploit truncated O<i>-</i> linked glycans 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.	7.1	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.	6.4	56
122	Characterisation of tumour vasculature in mouse brain by USPIO contrast-enhanced MRI. British Journal of Cancer, 2008, 98, 1784-1789.	6.4	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.	0.4	56
124	Subtyping of oligo-astrocytic tumours by comparative genomic hybridization. Journal of Pathology, 2001, 194, 81-87.	4.5	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.	4.5	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.	5.2	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.	4.1	53
128	Giant cavernous hemangiomas: report of three cases. <i>Neurosurgical Review</i> , 2007, 30, 83-92.	2.4	52
129	Tumor-Educated Platelet RNA for the Detection and (Pseudo)progression Monitoring of Glioblastoma. <i>Cell Reports Medicine</i> , 2020, 1, 100101.	6.5	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.	7.7	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.	5.1	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.	4.1	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.	3.2	51
134	Expression profiling of immune inhibitory Siglecs and their ligands in patients with glioma. <i>Cancer Immunology, Immunotherapy</i> , 2019, 68, 937-949.	4.2	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.	7.6	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.	1.6	47
137	Micronodular transformation as a novel mechanism of VEGF-A-induced metastasis. <i>Oncogene</i> , 2007, 26, 5808-5815.	5.9	47
138	Discordance in ER α , PR and HER2 receptor status across different distant breast cancer metastases within the same patient. <i>Annals of Oncology</i> , 2013, 24, 3017-3023.	1.2	47
139	Experimental treatment of NRAS-mutated neurocutaneous melanocytosis with MEK162, a MEK-inhibitor. <i>Acta Neuropathologica Communications</i> , 2014, 2, 41.	5.2	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.	1.6	46
141	Non-invasive tumor genotyping using radiogenomic biomarkers, a systematic review and oncology-wide pathway analysis. <i>Oncotarget</i> , 2018, 9, 20134-20155.	1.8	46
142	Cellular components of microvascular proliferation in human glial and metastatic brain neoplasms. <i>Acta Neuropathologica</i> , 1993, 85, 508-14.	7.7	44
143	Conventional radiotherapy combined with carbogen breathing and nicotinamide for malignant gliomas. <i>Radiotherapy and Oncology</i> , 1995, 35, 118-122.	0.6	44
144	Preparing pathology for personalized medicine: possibilities for improvement of the pre-analytical phase. <i>Histopathology</i> , 2011, 59, 1-7.	2.9	44

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145	³ Deoxy- ³ F-Fluorothymidine PET-Derived Proliferative Volume Predicts Overall Survival in High-Grade Glioma Patients. <i>Journal of Nuclear Medicine</i> , 2012, 53, 1904-1910.	5.0	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.	3.8	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.	7.7	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.	3.3	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.	2.4	42
150	The cIMPACT-NOW updates and their significance to current neuro-oncology practice. <i>Neuro-Oncology Practice</i> , 2021, 8, 4-10.	1.6	42
151	EFEMP1 induces β -secretase/Notch-mediated temozolomide resistance in glioblastoma. <i>Oncotarget</i> , 2014, 5, 363-374.	1.8	41
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