

Pieter Wesseling

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

316 papers	24,965 citations	74 h-index	151 g-index
336 ext. papers	31,601 ext. citations	7.9 avg, IF	6.79 L-index

#	Paper	IF	Citations
316	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, The</i> , 2009 , 10, 459-66	21.7	5111
315	DNA methylation-based classification of central nervous system tumours. <i>Nature</i> , 2018 , 555, 469-474	50.4	992
314	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	14.3	771
313	The 2021 WHO Classification of Tumors of the Central Nervous System: a summary. <i>Neuro-Oncology</i> , 2021 , 23, 1231-1251	1	708
312	Overcoming the blood-brain tumor barrier for effective glioblastoma treatment. <i>Drug Resistance Updates</i> , 2015 , 19, 1-12	23.2	503
311	The immunosuppressive tumour network: myeloid-derived suppressor cells, regulatory T cells and natural killer T cells. <i>Immunology</i> , 2013 , 138, 105-15	7.8	491
310	New Brain Tumor Entities Emerge from Molecular Classification of CNS-PNETs. <i>Cell</i> , 2016 , 164, 1060-1073	36.2	483
309	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	24.3	480
308	Diffuse glioma growth: a guerilla war. <i>Acta Neuropathologica</i> , 2007 , 114, 443-58	14.3	422
307	International Society Of Neuropathology--Haarlem consensus guidelines for nervous system tumor classification and grading. <i>Brain Pathology</i> , 2014 , 24, 429-35	6	408
306	WHO 2016 Classification of gliomas. <i>Neuropathology and Applied Neurobiology</i> , 2018 , 44, 139-150	5.2	331
305	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, 1597-604	12.9	328
304	Germline mutation of INI1/SMARCB1 in familial schwannomatosis. <i>American Journal of Human Genetics</i> , 2007 , 80, 805-10	11	307
303	Clinical and pathologic abnormalities in a family with parkinsonism and parkin gene mutations. <i>Neurology</i> , 2001 , 56, 555-7	6.5	268
302	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	40	225
301	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, 585-96	14.3	211
300	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, 2022-32	9.7	210

299	Molecular diagnostics of gliomas: state of the art. <i>Acta Neuropathologica</i> , 2010 , 120, 567-84	14.3	208
298	In silico analysis of kinase expression identifies WEE1 as a gatekeeper against mitotic catastrophe in glioblastoma. <i>Cancer Cell</i> , 2010 , 18, 244-57	24.3	203
297	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, 867-73	14.3	200
296	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
295	Antiangiogenic therapy of cerebral melanoma metastases results in sustained tumor progression via vessel co-option. <i>Clinical Cancer Research</i> , 2004 , 10, 6222-30	12.9	194
294	Development and developmental disorders of the human cerebellum. <i>Journal of Neurology</i> , 2003 , 250, 1025-36	5.5	188
293	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
292	Angiogenesis in brain tumors; pathobiological and clinical aspects. <i>Journal of Neuro-Oncology</i> , 1997 , 32, 253-65	4.8	186
291	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, 411-34	4.4	178
290	CD4+FoxP3+ regulatory T cells gradually accumulate in gliomas during tumor growth and efficiently suppress antiglioma immune responses in vivo. <i>International Journal of Cancer</i> , 2007 , 121, 95-105	7.5	174
289	Specific association of small heat shock proteins with the pathological hallmarks of Alzheimer's disease brains. <i>Neuropathology and Applied Neurobiology</i> , 2006 , 32, 119-30	5.2	171
288	Heparan sulphate proteoglycans in Alzheimer's disease and amyloid-related disorders. <i>Lancet Neurology</i> , 2003 , 2, 482-92	24.1	168
287	Glioma: experimental models and reality. <i>Acta Neuropathologica</i> , 2017 , 133, 263-282	14.3	165
286	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	164
285	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	10.3	157
284	Receptor conversion in distant breast cancer metastases. <i>Breast Cancer Research</i> , 2010 , 12, R75	8.3	157
283	Prognostic significance and mechanism of Treg infiltration in human brain tumors. <i>Journal of Neuroimmunology</i> , 2010 , 225, 195-9	3.5	152
282	Longitudinal molecular trajectories of diffuse glioma in adults. <i>Nature</i> , 2019 , 576, 112-120	50.4	151

281	Swarm Intelligence-Enhanced Detection of Non-Small-Cell Lung Cancer Using Tumor-Educated Platelets. <i>Cancer Cell</i> , 2017 , 32, 238-252.e9	24.3	150
280	MS-MLPA: an attractive alternative laboratory assay for robust, reliable, and semiquantitative detection of MGMT promoter hypermethylation in gliomas. <i>Laboratory Investigation</i> , 2007 , 87, 1055-65	5.9	149
279	Induction of alpha-smooth muscle actin expression in cultured human brain pericytes by transforming growth factor-beta 1. <i>American Journal of Pathology</i> , 1994 , 144, 372-82	5.8	149
278	Oligodendroglioma: pathology, molecular mechanisms and markers. <i>Acta Neuropathologica</i> , 2015 , 129, 809-27	14.3	128
277	Aminopeptidase A is a functional target in angiogenic blood vessels. <i>Cancer Cell</i> , 2004 , 5, 151-62	24.3	124
276	The combination of IDH1 mutations and MGMT methylation status predicts survival in glioblastoma better than either IDH1 or MGMT alone. <i>Neuro-Oncology</i> , 2014 , 16, 1263-73	1	123
275	Cerebrotendinous xanthomatosis: the spectrum of imaging findings and the correlation with neuropathologic findings. <i>Radiology</i> , 2000 , 217, 869-76	20.5	119
274	Evolution of DNA repair defects during malignant progression of low-grade gliomas after temozolomide treatment. <i>Acta Neuropathologica</i> , 2015 , 129, 597-607	14.3	118
273	Histologic classification of gliomas. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2016 , 134, 71-95	3	118
272	Early and extensive contribution of pericytes/vascular smooth muscle cells to microvascular proliferation in glioblastoma multiforme: an immuno-light and immuno-electron microscopic study. <i>Journal of Neuropathology and Experimental Neurology</i> , 1995 , 54, 304-10	3.1	117
271	Vascular endothelial growth factor-A(165) induces progression of melanoma brain metastases without induction of sprouting angiogenesis. <i>Cancer Research</i> , 2002 , 62, 341-5	10.1	117
270	Agrin is a major heparan sulfate proteoglycan accumulating in Alzheimer's disease brain. <i>American Journal of Pathology</i> , 1999 , 155, 2115-25	5.8	113
269	Tumor-Educated Platelets as a Noninvasive Biomarker Source for Cancer Detection and Progression Monitoring. <i>Cancer Research</i> , 2018 , 78, 3407-3412	10.1	109
268	Activating mutations of the GNAQ gene: a frequent event in primary melanocytic neoplasms of the central nervous system. <i>Acta Neuropathologica</i> , 2010 , 119, 317-23	14.3	103
267	Molecular classification of anaplastic oligodendroglioma using next-generation sequencing: a report of the prospective randomized EORTC Brain Tumor Group 26951 phase III trial. <i>Neuro-Oncology</i> , 2016 , 18, 388-400	1	102
266	Development and malformations of the human pyramidal tract. <i>Journal of Neurology</i> , 2004 , 251, 1429-42	5.5	95
265	Digital PCR quantification of MGMT methylation refines prediction of clinical benefit from alkylating agents in glioblastoma and metastatic colorectal cancer. <i>Annals of Oncology</i> , 2015 , 26, 1994-1999	18.3	93
264	A hypermethylated phenotype is a better predictor of survival than MGMT methylation in anaplastic oligodendroglial brain tumors: a report from EORTC study 26951. <i>Clinical Cancer Research</i> , 2011 , 17, 7148-55	12.9	93

263	Multiplex ligation-dependent probe amplification: a diagnostic tool for simultaneous identification of different genetic markers in glial tumors. <i>Journal of Molecular Diagnostics</i> , 2006 , 8, 433-43	5.1	92
262	MGMT-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, 5513-22	12.9	89
261	Collision sellar lesions: experience with eight cases and review of the literature. <i>Pituitary</i> , 2010 , 13, 8-17	4.3	89
260	Quantitative immunohistological analysis of the microvasculature in untreated human glioblastoma multiforme. Computer-assisted image analysis of whole-tumor sections. <i>Journal of Neurosurgery</i> , 1994 , 81, 902-9	3.2	89
259	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, 1253-64	1	87
258	RAS/RAF pathway activation in gliomas: the result of copy number gains rather than activating mutations. <i>Acta Neuropathologica</i> , 2007 , 114, 121-33	14.3	87
257	Quantitative analysis of microvascular changes in diffuse astrocytic neoplasms with increasing grade of malignancy. <i>Human Pathology</i> , 1998 , 29, 352-8	3.7	86
256	Antiangiogenic compounds interfere with chemotherapy of brain tumors due to vessel normalization. <i>Molecular Cancer Therapeutics</i> , 2008 , 7, 71-8	6.1	86
255	Heparan sulfate proteoglycan expression in cerebrovascular amyloid beta deposits in Alzheimer's disease and hereditary cerebral hemorrhage with amyloidosis (Dutch) brains. <i>Acta Neuropathologica</i> , 2001 , 102, 604-14	14.3	85
254	Molecular pathogenesis of oligodendroglial tumors. <i>Journal of Neuro-Oncology</i> , 2004 , 70, 161-81	4.8	84
253	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	3.7	84
252	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, 338-347	2.2	80
251	Significance of complete 1p/19q co-deletion, IDH1 mutation and MGMT promoter methylation in gliomas: use with caution. <i>Modern Pathology</i> , 2013 , 26, 922-9	9.8	79
250	cIMPACT-NOW update 1: Not Otherwise Specified (NOS) and Not Elsewhere Classified (NEC). <i>Acta Neuropathologica</i> , 2018 , 135, 481-484	14.3	78
249	GE-08 * TARGETED NEXT GENERATION SEQUENCING OF ARCHIVAL FFPE SAMPLES FROM EORTC STUDY 26951 SHOWS STRONG PROGNOSTIC VALUE OF A MOLECULAR CLASSIFICATION IN LOCALLY DIAGNOSED GRADE III OLIGODENDROGLIOMA. <i>Neuro-Oncology</i> , 2014 , 16, v97-v97	1	78
248	SURG-13. THIRD HARMONIC GENERATION (THG) IMAGING: A NOVEL TOOL FOR INTRA-OPERATIVE HISTOLOGIC ANALYSIS OF FRESH HUMAN GLIOMA TISSUE. <i>Neuro-Oncology</i> , 2018 , 20, vi253-vi253	1	78
247	MBRS-36. IDENTIFICATION OF TWO PROTEIN-SIGNALING STATES DELINEATING TRANSCRIPTIONALLY HETEROGENEOUS HUMAN MEDULLOBLASTOMA. <i>Neuro-Oncology</i> , 2018 , 20, i1136-i1136	1	78
246	Myc-associated zinc finger protein (MAZ) is regulated by miR-125b and mediates VEGF-induced angiogenesis in glioblastoma. <i>FASEB Journal</i> , 2012 , 26, 2639-47	0.9	75

245	Identification of subgroups of high-grade oligodendroglial tumors by comparative genomic hybridization. <i>Journal of Neuropathology and Experimental Neurology</i> , 1999 , 58, 606-12	3.1	75
244	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	3.1	74
243	Expression pattern of apoptosis-related markers in Huntington's disease. <i>Acta Neuropathologica</i> , 2005 , 109, 321-8	14.3	74
242	Sarcoma classification by DNA methylation profiling. <i>Nature Communications</i> , 2021 , 12, 498	17.4	74
241	Immunotherapy of diffuse gliomas: biological background, current status and future developments. <i>Brain Pathology</i> , 2009 , 19, 674-93	6	73
240	Prognostic value of estrogen receptor and progesterone receptor conversion in distant breast cancer metastases. <i>Cancer</i> , 2012 , 118, 4929-35	6.4	72
239	Mapping of the SCA23 locus involved in autosomal dominant cerebellar ataxia to chromosome region 20p13-12.3. <i>Brain</i> , 2004 , 127, 2551-7	11.2	70
238	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	5.8	69
237	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, 841-52	14.3	68
236	Aminopeptidase a is a constituent of activated pericytes in angiogenesis. <i>Journal of Pathology</i> , 1996 , 179, 436-42	9.4	67
235	Primary melanocytic tumors of the central nervous system: a review with focus on molecular aspects. <i>Brain Pathology</i> , 2015 , 25, 209-26	6	64
234	Molecular pathology of tumors of the central nervous system. <i>Annals of Oncology</i> , 2019 , 30, 1265-1278	10.3	63
233	Glioma through the looking GLASS: molecular evolution of diffuse gliomas and the Glioma Longitudinal Analysis Consortium. <i>Neuro-Oncology</i> , 2018 , 20, 873-884	1	63
232	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	3.7	63
231	Liquid biopsies in patients with diffuse glioma. <i>Acta Neuropathologica</i> , 2015 , 129, 849-65	14.3	62
230	Molecular analysis of anaplastic oligodendroglial tumors in a prospective randomized study: A report from EORTC study 26951. <i>Neuro-Oncology</i> , 2009 , 11, 737-46	1	62
229	Robust detection of EGFR copy number changes and EGFR variant III: technical aspects and relevance for glioma diagnostics. <i>Brain Pathology</i> , 2009 , 19, 661-71	6	61
228	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, 474-9	8.7	61

227	Correlation between localization, age, and chromosomal imbalances in ependymal tumours as detected by CGH. <i>Journal of Pathology</i> , 2002 , 197, 238-44	9.4	61
226	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	10.1	61
225	Accurate classification of childhood brain tumours by in vivo ^1H MRS - a multi-centre study. <i>European Journal of Cancer</i> , 2013 , 49, 658-67	7.5	60
224	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, 423-33	6	60
223	Accumulation of heparan sulfate proteoglycans in cerebellar senile plaques. <i>Neurobiology of Aging</i> , 2002 , 23, 537-45	5.6	60
222	Vascular endothelial growth factor-A determines detectability of experimental melanoma brain metastasis in GD-DTPA-enhanced MRI. <i>International Journal of Cancer</i> , 2003 , 105, 437-43	7.5	59
221	Successful treatment of Fusarium keratitis with cornea transplantation and topical and systemic voriconazole. <i>Clinical Infectious Diseases</i> , 2005 , 40, e110-2	11.6	57
220	Spinal xanthomatosis: a variant of cerebrotendinous xanthomatosis. <i>Brain</i> , 1999 , 122 (Pt 8), 1589-95	11.2	55
219	Protein tyrosine phosphatases in glioma biology. <i>Acta Neuropathologica</i> , 2010 , 119, 157-75	14.3	54
218	Vascular density in melanoma xenografts correlates with vascular permeability factor expression but not with metastatic potential. <i>British Journal of Cancer</i> , 1997 , 76, 561-70	8.7	54
217	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, 456-62	6	54
216	Keratitis caused by <i>Scedosporium apiospermum</i> successfully treated with a cornea transplant and voriconazole. <i>Journal of Clinical Microbiology</i> , 2003 , 41, 2261-4	9.7	54
215	Histological effects of fibrin glue on nervous tissue: a safety study in rats. <i>World Neurosurgery</i> , 2002 , 57, 415-22; discussion 422		54
214	Improved discrimination of melanotic schwannoma from melanocytic lesions by combined morphological and GNAQ mutational analysis. <i>Acta Neuropathologica</i> , 2010 , 120, 755-64	14.3	53
213	Subventricular spread of diffuse intrinsic pontine glioma. <i>Acta Neuropathologica</i> , 2014 , 128, 605-7	14.3	52
212	Human pontine glioma cells can induce murine tumors. <i>Acta Neuropathologica</i> , 2014 , 127, 897-909	14.3	51
211	Optical clearing and fluorescence deep-tissue imaging for 3D quantitative analysis of the brain tumor microenvironment. <i>Angiogenesis</i> , 2017 , 20, 533-546	10.6	50
210	Primary melanoma of the CNS in children is driven by congenital expression of oncogenic NRAS in melanocytes. <i>Cancer Discovery</i> , 2013 , 3, 458-469	24.4	50

209	Subtyping of oligo-astrocytic tumours by comparative genomic hybridization. <i>Journal of Pathology</i> , 2001 , 194, 81-7	9.4	50
208	Characterisation of tumour vasculature in mouse brain by USPIO contrast-enhanced MRI. <i>British Journal of Cancer</i> , 2008 , 98, 1784-9	8.7	49
207	Monitoring of tumor growth and post-irradiation recurrence in a diffuse intrinsic pontine glioma mouse model. <i>Brain Pathology</i> , 2011 , 21, 441-51	6	48
206	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	3.2	48
205	Magnetic resonance imaging-based detection of glial brain tumors in mice after antiangiogenic treatment. <i>International Journal of Cancer</i> , 2008 , 122, 1981-6	7.5	47
204	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	16.4	46
203	The molecular landscape of ETMR at diagnosis and relapse. <i>Nature</i> , 2019 , 576, 274-280	50.4	46
202	Hypoxia-Mediated Mechanisms Associated with Antiangiogenic Treatment Resistance in Glioblastomas. <i>American Journal of Pathology</i> , 2017 , 187, 940-953	5.8	45
201	Reconstructing the molecular life history of gliomas. <i>Acta Neuropathologica</i> , 2018 , 135, 649-670	14.3	44
200	Increased mitochondrial activity in a novel IDH1-R132H mutant human oligodendroglioma xenograft model: in situ detection of 2-HG and EKG. <i>Acta Neuropathologica Communications</i> , 2013 , 1, 18	7.3	44
199	MAPK pathway activation through BRAF gene fusion in pilocytic astrocytomas; a novel oncogenic fusion gene with diagnostic, prognostic, and therapeutic potential. <i>Journal of Pathology</i> , 2010 , 222, 324-8	8.4	44
198	Micronodular transformation as a novel mechanism of VEGF-A-induced metastasis. <i>Oncogene</i> , 2007 , 26, 5808-15	9.2	44
197	Citrullination of central nervous system proteins during the development of experimental autoimmune encephalomyelitis. <i>Journal of Comparative Neurology</i> , 2005 , 486, 243-53	3.4	43
196	Experimental treatment of NRAS-mutated neurocutaneous melanocytosis with MEK162, a MEK-inhibitor. <i>Acta Neuropathologica Communications</i> , 2014 , 2, 41	7.3	42
195	Conventional radiotherapy combined with carbogen breathing and nicotinamide for malignant gliomas. <i>Radiotherapy and Oncology</i> , 1995 , 35, 118-22	5.3	42
194	Cellular components of microvascular proliferation in human glial and metastatic brain neoplasms. A light microscopic and immunohistochemical study of formalin-fixed, routinely processed material. <i>Acta Neuropathologica</i> , 1993 , 85, 508-14	14.3	42
193	The pathological diagnosis of diffuse gliomas: towards a smart synthesis of microscopic and molecular information in a multidisciplinary context. <i>Diagnostic Histopathology</i> , 2011 , 17, 486-494	0.7	41
192	Giant cavernous hemangiomas: report of three cases. <i>Neurosurgical Review</i> , 2007 , 30, 83-92; discussion 92	3.9	41

191	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, 559-64	3.2	41
190	Hypokinesia and presenile dementia in a Dutch family with a novel insertion in the prion protein gene. <i>Brain</i> , 1995 , 118 (Pt 6), 1565-71	11.2	40
189	Choroid plexus carcinoma: a report of two cases and review of the literature. <i>Neuropediatrics</i> , 1996 , 27, 143-8	1.6	39
188	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, 70-5	5.2	38
187	Bevacizumab Targeting Diffuse Intrinsic Pontine Glioma: Results of 89Zr-Bevacizumab PET Imaging in Brain Tumor Models. <i>Molecular Cancer Therapeutics</i> , 2016 , 15, 2166-74	6.1	37
186	³ H-Deoxy-3H-18F-fluorothymidine PET-derived proliferative volume predicts overall survival in high-grade glioma patients. <i>Journal of Nuclear Medicine</i> , 2012 , 53, 1904-10	8.9	37
185	Hypoxia in a human intracerebral glioma model. <i>Journal of Neurosurgery</i> , 2000 , 93, 449-54	3.2	37
184	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
183	EFEMP1 induces β -secretase/Notch-mediated temozolomide resistance in glioblastoma. <i>Oncotarget</i> , 2014 , 5, 363-74	3.3	36
182	Identification of a novel MET mutation in high-grade glioma resulting in an auto-active intracellular protein. <i>Acta Neuropathologica</i> , 2015 , 130, 131-44	14.3	35
181	Glutamate as chemotactic fuel for diffuse glioma cells: are they glutamate suckers?. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2014 , 1846, 66-74	11.2	35
180	Diagnostic Accuracy of Neuroimaging to Delineate Diffuse Gliomas within the Brain: A Meta-Analysis. <i>American Journal of Neuroradiology</i> , 2017 , 38, 1884-1891	4.4	35
179	Third harmonic generation imaging for fast, label-free pathology of human brain tumors. <i>Biomedical Optics Express</i> , 2016 , 7, 1889-904	3.5	35
178	Discordance in ER/PR and HER2 receptor status across different distant breast cancer metastases within the same patient. <i>Annals of Oncology</i> , 2013 , 24, 3017-23	10.3	34
177	Overexpression of the natural antisense hypoxia-inducible factor-1alpha transcript is associated with malignant pheochromocytoma/paraganglioma. <i>Endocrine-Related Cancer</i> , 2011 , 18, 323-31	5.7	34
176	Retroclival extradural hematoma is a magnetic resonance imaging diagnosis. <i>Journal of Neurotrauma</i> , 2001 , 18, 1289-93	5.4	34
175	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, 187-99	6.5	34
174	p120-catenin-dependent collective brain infiltration by glioma cell networks. <i>Nature Cell Biology</i> , 2020 , 22, 97-107	23.4	33

173	Genomic evolution from primary breast carcinoma to distant metastasis: Few copy number changes of breast cancer related genes. <i>Cancer Letters</i> , 2014 , 344, 138-146	9.9	32
172	Three-dimensional reconstruction of tumor microvasculature: simultaneous visualization of multiple components in paraffin-embedded tissue. <i>Angiogenesis</i> , 2005 , 8, 297-305	10.6	32
171	Mutations in g protein encoding genes and chromosomal alterations in primary leptomeningeal melanocytic neoplasms. <i>Pathology and Oncology Research</i> , 2015 , 21, 439-47	2.6	31
170	Non-invasive tumor genotyping using radiogenomic biomarkers, a systematic review and oncology-wide pathway analysis. <i>Oncotarget</i> , 2018 , 9, 20134-20155	3.3	31
169	Mechanisms of intimate and long-distance cross-talk between glioma and myeloid cells: how to break a vicious cycle. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2014 , 1846, 560-75	11.2	31
168	Preparing pathology for personalized medicine: possibilities for improvement of the pre-analytical phase. <i>Histopathology</i> , 2011 , 59, 1-7	7.3	31
167	The pattern of metastasis of human melanoma to the central nervous system is not influenced by integrin alpha(v)beta(3) expression. <i>International Journal of Cancer</i> , 2001 , 92, 176-80	7.5	31
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