

Bjarne Winther Kristensen

List of Publications by Citations

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124
papers

4,458
citations

36
h-index

64
g-index

146
ext. papers

5,824
ext. citations

5.2
avg. IF

5.37
L-index

#	Paper	IF	Citations
124	DNA methylation-based classification of central nervous system tumours. <i>Nature</i> , 2018 , 555, 469-474	50.4	992
123	Markers for neuronal degeneration in organotypic slice cultures. <i>Brain Research Protocols</i> , 1999 , 3, 278-90		249
122	Organotypic hippocampal slice cultures for studies of brain damage, neuroprotection and neurorepair. <i>CNS and Neurological Disorders</i> , 2005 , 4, 435-52		161
121	Preferential Iron Trafficking Characterizes Glioblastoma Stem-like Cells. <i>Cancer Cell</i> , 2015 , 28, 441-455	24.3	160
120	Cancer Stem Cell-Secreted Macrophage Migration Inhibitory Factor Stimulates Myeloid Derived Suppressor Cell Function and Facilitates Glioblastoma Immune Evasion. <i>Stem Cells</i> , 2016 , 34, 2026-39	5.8	133
119	Tumour-associated microglia/macrophages predict poor prognosis in high-grade gliomas and correlate with an aggressive tumour subtype. <i>Neuropathology and Applied Neurobiology</i> , 2018 , 44, 185-206	5.2	105
118	Comparison of excitotoxic profiles of ATPA, AMPA, KA and NMDA in organotypic hippocampal slice cultures. <i>Brain Research</i> , 2001 , 917, 21-44	3.7	97
117	Effects of hypoxia on expression of a panel of stem cell and chemoresistance markers in glioblastoma-derived spheroids. <i>Journal of Neuro-Oncology</i> , 2011 , 103, 43-58	4.8	96
116	CD133 identifies perivascular niches in grade II-IV astrocytomas. <i>Journal of Neuro-Oncology</i> , 2008 , 90, 157-70	4.8	87
115	Global immune fingerprinting in glioblastoma patient peripheral blood reveals immune-suppression signatures associated with prognosis. <i>JCI Insight</i> , 2018 , 3,	9.9	85
114	MiR-21 expression in the tumor cell compartment holds unfavorable prognostic value in gliomas. <i>Journal of Neuro-Oncology</i> , 2013 , 111, 71-81	4.8	80
113	STEM-13EXPRESSION OF STEM CELL, PROLIFERATION AND CHEMORESISTANCE MARKERS IN GLIOMA CELLS IN THE TUMOR PERIPHERY. <i>Neuro-Oncology</i> , 2015 , 17, v210.5-v211	1	78
112	TMIC-18TUMOR-ASSOCIATED MICROGLIA/MACROPHAGES ARE ASSOCIATED WITH POOR PROGNOSIS IN HIGH-GRADE GLIOMAS AND CONTRIBUTE TO THE GLIOBLASTOMA STEM CELL-LIKE NICHE. <i>Neuro-Oncology</i> , 2015 , 17, v218.6-v218	1	78
111	MR-03MicroRNA PROFILE OF MIGRATING GLIOBLASTOMA CELLS KEPT IN STEM CELL MEDIUM. <i>Neuro-Oncology</i> , 2014 , 16, v125-v125	1	78
110	Biocompatibility of silicon-based arrays of electrodes coupled to organotypic hippocampal brain slice cultures. <i>Brain Research</i> , 2001 , 896, 1-17	3.7	67
109	Colchicine induces apoptosis in organotypic hippocampal slice cultures. <i>Brain Research</i> , 2003 , 964, 264-78	3.7	66
108	Molecular pathology of tumors of the central nervous system. <i>Annals of Oncology</i> , 2019 , 30, 1265-1278	10.3	63

107	Inconsistent immunohistochemical expression patterns of four different CD133 antibody clones in glioblastoma. <i>Journal of Histochemistry and Cytochemistry</i> , 2011 , 59, 391-407	3.4	63
106	Low expression of tissue inhibitor of metalloproteinases-1 (TIMP-1) in glioblastoma predicts longer patient survival. <i>Journal of Neuro-Oncology</i> , 2009 , 95, 117-128	4.8	60
105	What is the clinical value of cancer stem cell markers in gliomas?. <i>International Journal of Clinical and Experimental Pathology</i> , 2013 , 6, 334-48	1.4	57
104	Myeloid-Derived Suppressor Cell Subsets Drive Glioblastoma Growth in a Sex-Specific Manner. <i>Cancer Discovery</i> , 2020 , 10, 1210-1225	24.4	49
103	Human leukocyte antigen-G is frequently expressed in glioblastoma and may be induced in vitro by combined 5-aza-2-deoxycytidine and interferon- α treatments: results from a multicentric study. <i>American Journal of Pathology</i> , 2013 , 182, 540-52	5.8	48
102	High levels of c-Met is associated with poor prognosis in glioblastoma. <i>Journal of Neuro-Oncology</i> , 2015 , 122, 517-27	4.8	47
101	CD133+ niches and single cells in glioblastoma have different phenotypes. <i>Journal of Neuro-Oncology</i> , 2011 , 104, 129-43	4.8	47
100	Excitotoxic effects of non-NMDA receptor agonists in organotypic corticostriatal slice cultures. <i>Brain Research</i> , 1999 , 841, 143-59	3.7	47
99	Cell therapy centered on IL-1Ra is neuroprotective in experimental stroke. <i>Acta Neuropathologica</i> , 2016 , 131, 775-91	14.3	46
98	miR-21 Is Linked to Glioma Angiogenesis: A Co-Localization Study. <i>Journal of Histochemistry and Cytochemistry</i> , 2016 , 64, 138-48	3.4	46
97	MicroRNA biomarkers in glioblastoma. <i>Journal of Neuro-Oncology</i> , 2013 , 114, 13-23	4.8	45
96	Immunohistochemical expression of stem cell, endothelial cell, and chemosensitivity markers in primary glioma spheroids cultured in serum-containing and serum-free medium. <i>Neurosurgery</i> , 2010 , 66, 933-47	3.2	43
95	Expression and prognostic impact of matrix metalloproteinase-2 (MMP-2) in astrocytomas. <i>PLoS ONE</i> , 2017 , 12, e0172234	3.7	42
94	Expression and prognostic value of the WEE1 kinase in gliomas. <i>Journal of Neuro-Oncology</i> , 2016 , 127, 381-9	4.8	39
93	Clinical value of CD133 and nestin in patients with glioma: a population-based study. <i>International Journal of Clinical and Experimental Pathology</i> , 2014 , 7, 3739-51	1.4	39
92	Rosette-forming glioneuronal tumors share a distinct DNA methylation profile and mutations in FGFR1, with recurrent co-mutation of PIK3CA and NF1. <i>Acta Neuropathologica</i> , 2019 , 138, 497-504	14.3	36
91	Chemoresistance and chemotherapy targeting stem-like cells in malignant glioma. <i>Advances in Experimental Medicine and Biology</i> , 2015 , 853, 111-38	3.6	36
90	Prognostic value of Musashi-1 in gliomas. <i>Journal of Neuro-Oncology</i> , 2013 , 115, 453-61	4.8	36

89	Transferrin receptor-1 and ferritin heavy and light chains in astrocytic brain tumors: Expression and prognostic value. <i>PLoS ONE</i> , 2017 , 12, e0182954	3.7	36
88	GDNF and neublastin protect against NMDA-induced excitotoxicity in hippocampal slice cultures. <i>NeuroReport</i> , 2000 , 11, 4069-73	1.7	35
87	Widespread inflammation in CLIPPERS syndrome indicated by autopsy and ultra-high-field 7T MRI. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2016 , 3, e226	9.1	33
86	Coupling of organotypic brain slice cultures to silicon-based arrays of electrodes. <i>Methods</i> , 1999 , 18, 160-72	4.6	31
85	A population-based study of low-grade gliomas and mutated isocitrate dehydrogenase 1 (IDH1). <i>Journal of Neuro-Oncology</i> , 2013 , 114, 309-17	4.8	29
84	Invasion of primary glioma- and cell line-derived spheroids implanted into corticostriatal slice cultures. <i>International Journal of Clinical and Experimental Pathology</i> , 2013 , 6, 546-60	1.4	29
83	A population-based study of high-grade gliomas and mutated isocitrate dehydrogenase 1. <i>International Journal of Clinical and Experimental Pathology</i> , 2013 , 6, 31-40	1.4	28
82	Toxic effects of lipid-mediated gene transfer in ventral mesencephalic explant cultures. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2006 , 98, 395-400	3.1	27
81	High expression of cystine-glutamate antiporter xCT (SLC7A11) is an independent biomarker for epileptic seizures at diagnosis in glioma. <i>Journal of Neuro-Oncology</i> , 2018 , 138, 49-53	4.8	25
80	D-2-Hydroxyglutarate Is an Intercellular Mediator in IDH-Mutant Gliomas Inhibiting Complement and T Cells. <i>Clinical Cancer Research</i> , 2018 , 24, 5381-5391	12.9	25
79	The metabotropic glutamate receptor agonist 1S,3R-ACPD stimulates and modulates NMDA receptor mediated excitotoxicity in organotypic hippocampal slice cultures. <i>Brain Research</i> , 2001 , 898, 91-104	3.7	25
78	Migrating glioma cells express stem cell markers and give rise to new tumors upon xenografting. <i>Journal of Neuro-Oncology</i> , 2016 , 130, 53-62	4.8	24
77	Conditional ablation of myeloid TNF increases lesion volume after experimental stroke in mice, possibly via altered ERK1/2 signaling. <i>Scientific Reports</i> , 2016 , 6, 29291	4.9	23
76	The GABAA receptor agonist THIP is neuroprotective in organotypic hippocampal slice cultures. <i>Brain Research</i> , 2003 , 973, 303-6	3.7	22
75	Convection-enhanced delivery of an anti-miR is well-tolerated, preserves anti-miR stability and causes efficient target de-repression: a proof of concept. <i>Journal of Neuro-Oncology</i> , 2016 , 126, 47-55	4.8	21
74	Characterization of the TNF and IL-1 systems in human brain and blood after ischemic stroke. <i>Acta Neuropathologica Communications</i> , 2020 , 8, 81	7.3	21
73	Establishment and Characterization of a Tumor Stem Cell-Based Glioblastoma Invasion Model. <i>PLoS ONE</i> , 2016 , 11, e0159746	3.7	21
72	Glioma Cells in the Tumor Periphery Have a Stem Cell Phenotype. <i>PLoS ONE</i> , 2016 , 11, e0155106	3.7	21

71	Prognostic value of O-6-methylguanine-DNA methyltransferase (MGMT) protein expression in glioblastoma excluding nontumour cells from the analysis. <i>Neuropathology and Applied Neurobiology</i> , 2018 , 44, 172-184	5.2	20
70	Glioma spheroids obtained via ultrasonic aspiration are viable and express stem cell markers: a new tissue resource for glioma research. <i>Neurosurgery</i> , 2013 , 73, 868-86; discussion 886	3.2	20
69	Effects of the lysosomal destabilizing drug siramesine on glioblastoma in vitro and in vivo. <i>BMC Cancer</i> , 2017 , 17, 178	4.8	16
68	No effect of ablation of surfactant protein-D on acute cerebral infarction in mice. <i>Journal of Neuroinflammation</i> , 2014 , 11, 123	10.1	16
67	A 4-miRNA signature to predict survival in glioblastomas. <i>PLoS ONE</i> , 2017 , 12, e0188090	3.7	16
66	Highly Effective Auger-Electron Therapy in an Orthotopic Glioblastoma Xenograft Model using Convection-Enhanced Delivery. <i>Theranostics</i> , 2016 , 6, 2278-2291	12.1	15
65	Evaluation of the proliferation marker Ki-67 in gliomas: Interobserver variability and digital quantification. <i>Diagnostic Pathology</i> , 2018 , 13, 38	3	14
64	Intermittent, low dose carbon monoxide exposure enhances survival and dopaminergic differentiation of human neural stem cells. <i>PLoS ONE</i> , 2018 , 13, e0191207	3.7	14
63	Hormonal contraceptive use and risk of glioma among younger women: a nationwide case-control study. <i>British Journal of Clinical Pharmacology</i> , 2015 , 79, 677-84	3.8	14
62	Shift of microRNA profile upon glioma cell migration using patient-derived spheroids and serum-free conditions. <i>Journal of Neuro-Oncology</i> , 2017 , 132, 45-54	4.8	13
61	Co-expression of TIMP-1 and its cell surface binding partner CD63 in glioblastomas. <i>BMC Cancer</i> , 2018 , 18, 270	4.8	13
60	3-Nitropropionic acid neurotoxicity in hippocampal slice cultures: developmental and regional vulnerability and dependency on glucose. <i>Experimental Neurology</i> , 2002 , 176, 237-46	5.7	12
59	Do we really know who has a methylated glioma? Results of an international survey regarding use of analyses for glioma. <i>Neuro-Oncology Practice</i> , 2020 , 7, 68-76	2.2	12
58	Postoperative neoadjuvant temozolomide before radiotherapy versus standard radiotherapy in patients 60 years or younger with anaplastic astrocytoma or glioblastoma: a randomized trial. <i>Acta Oncologica</i> , 2017 , 56, 1776-1785	3.2	11
57	Expression and Prognostic Value of Oct-4 in Astrocytic Brain Tumors. <i>PLoS ONE</i> , 2016 , 11, e0169129	3.7	11
56	Effects of chemotherapeutics on organotypic corticostriatal slice cultures identified by a panel of fluorescent and immunohistochemical markers. <i>Neurotoxicity Research</i> , 2012 , 22, 43-58	4.3	10
55	Comparison of 5-aminolevulinic acid and sodium fluorescein for intraoperative tumor visualization in patients with high-grade gliomas: a single-center retrospective study. <i>Journal of Neurosurgery</i> , 2019 , 1-8	3.2	10
54	Early postoperative MRI after resection of brain metastases-complete tumour resection associated with prolonged survival. <i>Acta Neurochirurgica</i> , 2019 , 161, 555-565	3	10

53	Spontaneous ischaemic stroke lesions in a dog brain: neuropathological characterisation and comparison to human ischaemic stroke. <i>Acta Veterinaria Scandinavica</i> , 2017 , 59, 7	2	9
52	A tumorsphere model of glioblastoma multiforme with intratumoral heterogeneity for quantitative analysis of cellular migration and drug response. <i>Experimental Cell Research</i> , 2019 , 379, 73-82	4.2	9
51	Trends in tumors in the central nervous system in elderly in Denmark, 2008-2012. <i>Acta Oncologica</i> , 2016 , 55 Suppl 1, 91-7	3.2	9
50	Multiple formin proteins participate in glioblastoma migration. <i>BMC Cancer</i> , 2020 , 20, 710	4.8	9
49	Altered lipid metabolism marks glioblastoma stem and non-stem cells in separate tumor niches. <i>Acta Neuropathologica Communications</i> , 2021 , 9, 101	7.3	9
48	Tumor-Associated Microglia and Macrophages in the Glioblastoma Microenvironment and Their Implications for Therapy. <i>Cancers</i> , 2021 , 13,	6.6	9
47	Posttreatment Effect of MGMT Methylation Level on Glioblastoma Survival. <i>Journal of Neuropathology and Experimental Neurology</i> , 2019 , 78, 633-640	3.1	8
46	Estimation of Tumor Volumes by ¹¹ C-MeAIB and ¹⁸ F-FDG PET in an Orthotopic Glioblastoma Rat Model. <i>Journal of Nuclear Medicine</i> , 2015 , 56, 1562-8	8.9	8
45	AN1-type zinc finger protein 3 (ZFAND3) is a transcriptional regulator that drives Glioblastoma invasion. <i>Nature Communications</i> , 2020 , 11, 6366	17.4	8
44	Dual time-point FDG PET/CT and FDG uptake and related enzymes in lymphadenopathies: preliminary results. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016 , 43, 1824-36	8.8	8
43	Expression and prognostic value of JAM-A in gliomas. <i>Journal of Neuro-Oncology</i> , 2017 , 135, 107-117	4.8	8
42	Novel approaches for quantifying protein biomarkers in gliomas: benefits and pitfalls. <i>CNS Oncology</i> , 2014 , 3, 287-98	4	8
41	APNG as a prognostic marker in patients with glioblastoma. <i>PLoS ONE</i> , 2017 , 12, e0178693	3.7	8
40	Systemic physiology and neuroapoptotic profiles in young and adult rats exposed to surgery: A randomized controlled study comprising four different anaesthetic techniques. <i>International Journal of Developmental Neuroscience</i> , 2015 , 45, 11-8	2.7	7
39	Alternative lengthening of telomeres is the major telomere maintenance mechanism in astrocytoma with isocitrate dehydrogenase 1 mutation. <i>Journal of Neuro-Oncology</i> , 2020 , 147, 1-14	4.8	7
38	Sodium fluorescein shows high surgeon-reported usability in glioblastoma surgery. <i>Journal of the Royal College of Surgeons of Edinburgh</i> , 2020 , 18, 344-348	2.5	6
37	Patterns of diagnostic marker assessment in adult diffuse glioma: a survey of the European Confederation of Neuropathological Societies (Euro-CNS) 2017 , 36 (2017), 5-14		6
36	Heterogenic expression of stem cell markers in patient-derived glioblastoma spheroid cultures exposed to long-term hypoxia. <i>CNS Oncology</i> , 2018 , 7, CNS15	4	6

35	Spatial and phenotypic characterization of pancreatic cancer-associated fibroblasts after neoadjuvant treatment. <i>Histology and Histopathology</i> , 2020 , 35, 811-825	1.4	6
34	SuperQuant-assisted comparative proteome analysis of glioblastoma subpopulations allows for identification of potential novel therapeutic targets and cell markers. <i>Oncotarget</i> , 2018 , 9, 9400-9414	3.3	6
33	Endoscopic vs. microscopic transsphenoidal pituitary surgery: a single centre study. <i>Scientific Reports</i> , 2020 , 10, 21942	4.9	6
32	The gene expression and immunohistochemical time-course of diphenylcyclopropanone-induced contact allergy in healthy humans following repeated epicutaneous challenges. <i>Experimental Dermatology</i> , 2017 , 26, 926-933	4	5
31	Omics-Based Approach Reveals Complement-Mediated Inflammation in Chronic Lymphocytic Inflammation With Pontine Perivascular Enhancement Responsive to Steroids (CLIPPERS). <i>Frontiers in Immunology</i> , 2018 , 9, 741	8.4	5
30	Fluorescein-guided resection of cerebral metastases is associated with greater tumor resection. <i>Acta Neurochirurgica</i> , 2021 , 1	3	5
29	Glioblastomas with primitive neuronal component harbor a distinct methylation and copy-number profile with inactivation of TP53, PTEN, and RB1. <i>Acta Neuropathologica</i> , 2021 , 142, 179-189	14.3	5
28	Shift of microRNA profile upon orthotopic xenografting of glioblastoma spheroid cultures. <i>Journal of Neuro-Oncology</i> , 2016 , 128, 395-404	4.8	5
27	Long-term, repeated dose in vitro neurotoxicity of the glutamate receptor antagonist L-AP3, demonstrated in rat hippocampal slice cultures by using continuous propidium iodide incubation. <i>ATLA Alternatives To Laboratory Animals</i> , 2007 , 35, 211-21	2.1	4
26	Microglia-Secreted Factors Enhance Dopaminergic Differentiation of Tissue- and iPSC-Derived Human Neural Stem Cells. <i>Stem Cell Reports</i> , 2021 , 16, 281-294	8	4
25	Intraoperative low field MRI in transsphenoidal pituitary surgery. <i>Endocrine Connections</i> , 2018 , 7, 897-906	5	4
24	The multi-target small-molecule inhibitor SB747651A shows in vitro and in vivo anticancer efficacy in glioblastomas. <i>Scientific Reports</i> , 2021 , 11, 6066	4.9	3
23	Comparative studies of TIMP-1 immunohistochemistry, TIMP-1 FISH analysis and plasma TIMP-1 in glioblastoma patients. <i>Journal of Neuro-Oncology</i> , 2016 , 130, 439-448	4.8	3
22	Overexpression of TIMP-1 and Sensitivity to Topoisomerase Inhibitors in Glioblastoma Cell Lines. <i>Pathology and Oncology Research</i> , 2019 , 25, 59-69	2.6	3
21	Targeted next-generation sequencing of adult gliomas for retrospective prognostic evaluation and up-front diagnostics. <i>Neuropathology and Applied Neurobiology</i> , 2021 , 47, 108-126	5.2	3
20	Asymmetric cell division promotes therapeutic resistance in glioblastoma stem cells. <i>JCI Insight</i> , 2021 , 6,	9.9	3
19	Aberrant neuronal differentiation is common in glioma but is associated neither with epileptic seizures nor with better survival. <i>Scientific Reports</i> , 2018 , 8, 14965	4.9	3
18	Frameless stereotactic neuronavigated biopsy: A retrospective study of morbidity, diagnostic yield, and the potential of fluorescence: A single-center clinical investigation. <i>Clinical Neurology and Neurosurgery</i> , 2019 , 181, 28-32	2	2

17	The risk of developing seizures before and after surgery for brain metastases. <i>Clinical Neurology and Neurosurgery</i> , 2020 , 193, 105779	2	2
16	Expression and prognostic value of the transcription factors EGR1 and EGR3 in gliomas. <i>Scientific Reports</i> , 2020 , 10, 9285	4.9	2
15	The Prognostic Value of Methylation Signatures and Mutations in Atypical Meningiomas. <i>Cancers</i> , 2021 , 13,	6.6	2
14	Hereditary spastic paraplegia type 8: Neuropathological findings. <i>Brain Pathology</i> , 2018 , 28, 292-294	6	1
13	Myeloid-derived suppressor cell subsets drive glioblastoma growth in a sex-specific manner		1
12	Expression Profiling of Primary and Recurrent Glioblastomas Reveals a Reduced Level of Pentraxin 3 in Recurrent Glioblastomas. <i>Journal of Neuropathology and Experimental Neurology</i> , 2020 , 79, 975-985	3.1	1
11	Expression and Prognostic Value of the Immune Checkpoints Galectin-9 and PD-L1 in Glioblastomas. <i>Journal of Neuropathology and Experimental Neurology</i> , 2021 , 80, 541-551	3.1	1
10	Nonhypoxic pharmacological stabilization of Hypoxia Inducible Factor 1 α Effects on dopaminergic differentiation of human neural stem cells. <i>European Journal of Neuroscience</i> , 2019 , 49, 497-509	3.5	1
9	The presence of TIM-3 positive cells in WHO grade III and IV astrocytic gliomas correlates with isocitrate dehydrogenase mutation status. <i>Brain Pathology</i> , 2021 , 31, e12921	6	1
8	Expression, prognostic significance and therapeutic implications of PD-L1 in gliomas. <i>Neuropathology and Applied Neurobiology</i> , 2021 ,	5.2	1
7	Prognostic role of Ki-67 in glioblastomas excluding contribution from non-neoplastic cells. <i>Scientific Reports</i> , 2021 , 11, 17918	4.9	1
6	Preclinical cerebral cryoablation in non-tumor bearing pigs.. <i>Scientific Reports</i> , 2022 , 12, 1977	4.9	0
5	Small cell glioblastoma or small cell carcinoma: a case report and review of the literature 2013 , 32, 303-10		0
4	Letter to the Editor. Copenhagen grading of meningioma.. <i>Journal of Neurosurgery</i> , 2022 , 1-3	3.2	
3	Determining viability of using APNG status as a prognostic marker in patients with glioblastoma multiforme.. <i>Journal of Clinical Oncology</i> , 2015 , 33, 2028-2028	2.2	
2	Primary Glioma Spheroids: Advantage of Serum-Free Medium 2012 , 83-91		
1	C-met, a new prognostic biomarker in glioblastoma multiforme.. <i>Journal of Clinical Oncology</i> , 2013 , 31, 2088-2088	2.2	