Bente Finsen

List of Publications by Year in Descending Order

121 papers	13,068 citations	38 h-index	114 g-index
126 ext. papers	16,017 ext. citations	6 avg, IF	6.18 L-index

#	Paper	IF	Citations
121	Tumor Necrosis Factor (TNF) Is Required for Spatial Learning and Memory in Male Mice under Physiological, but Not Immune-Challenged Conditions. *Cells*, **2021**, 10,	7.9	1
120	Mild Microglial Responses in the Cortex and Perivascular Macrophage Infiltration in Subcortical White Matter in Dogs with Age-Related Dementia Modelling Prodromal Alzheimer's Disease. *Journal of Alzheimer's Disease*, **2021**, 82, 575-592	4.3	0
119	Characterization of the TNF and IL-1 systems in human brain and blood after ischemic stroke. *Acta Neuropathologica Communications*, **2020**, 8, 81	7.3	21
118	TNF deficiency causes alterations in the spatial organization of neurogenic zones and alters the number of microglia and neurons in the cerebral cortex. *Brain, Behavior, and Immunity*, **2019**, 82, 279-297	16.6	15
117	Proteomic signatures of neuroinflammation in Alzheimer's disease, multiple sclerosis and ischemic stroke. *Expert Review of Proteomics*, **2019**, 16, 601-611	4.2	6
116	Neuroinflammation and amyloid-beta 40 are associated with reduced serotonin transporter (SERT) activity in a transgenic model of familial Alzheimer's disease. *Alzheimer's Research and Therapy*, **2019**, 11, 38	9	7
115	Antibody-mediated clearance of tau in primary mouse microglial cultures requires Fc-receptor binding and functional lysosomes. *Scientific Reports*, **2019**, 9, 4658	4.9	26
114	Protective effect of ibuprofen in a rat model of chronic oxaliplatin-induced peripheral neuropathy. *Experimental Brain Research*, **2019**, 237, 2645-2651	2.3	4
113	Microglia Express Insulin-Like Growth Factor-1 in the Hippocampus of Aged APP/PS1 Transgenic Mice. *Frontiers in Cellular Neuroscience*, **2019**, 13, 308	6.1	10
112	Ageing and amyloidosis underlie the molecular and pathological alterations of tau in a mouse model of familial Alzheimer's disease. *Scientific Reports*, **2019**, 9, 15758	4.9	8
111	Increased Inflammation and Unchanged Density of Synaptic Vesicle Glycoprotein 2A (SV2A) in the Postmortem Frontal Cortex of Alzheimer's Disease Patients. *Frontiers in Cellular Neuroscience*, **2019**, 13, 538	6.1	12
110	Post-stroke inflammation-target or tool for therapy?. *Acta Neuropathologica*, **2019**, 137, 693-714	14.3	150
109	Characterizing disease-associated changes in post-translational modifications by mass spectrometry. *Expert Review of Proteomics*, **2018**, 15, 245-258	4.2	28
108	Age-Dependent Changes in the Sarkosyl-Insoluble Proteome of APPSWE/PS1E9 Transgenic Mice Implicate Dysfunctional Mitochondria in the Pathogenesis of Alzheimer's Disease. *Journal of Alzheimer's Disease*, **2018**, 64, 1247-1259	4.3	6
107	Reduced Serotonin Transporter Levels and Inflammation in the Midbrain Raphe of 12 Month Old APPswe/PSEN1dE9 Mice. *Current Alzheimer Research*, **2018**, 15, 420-428	3	9
106	Diverse Protein Profiles in CNS Myeloid Cells and CNS Tissue From Lipopolysaccharide- and Vehicle-Injected APP/PS1 Transgenic Mice Implicate Cathepsin Z in Alzheimer's Disease. *Frontiers in Cellular Neuroscience*, **2018**, 12, 397	6.1	15
105	Established amyloid-pathology is unaffected by chronic treatment with the selective serotonin reuptake inhibitor paroxetine. *Alzheimer's and Dementia: Translational Research and Clinical Interventions*, **2018**, 4, 215-223	6	9

104	Spontaneous ischaemic stroke lesions in a dog brain: neuropathological characterisation and comparison to human ischaemic stroke. *Acta Veterinaria Scandinavica*, **2017**, 59, 7	2	9
103	Effect of aging and Alzheimer's disease-like pathology on brain monoamines in mice. *Neurochemistry International*, **2017**, 108, 238-245	4.4	27
102	Neuron and neuroblast numbers and cytogenesis in the dentate gyrus of aged APP/PS1 transgenic mice: Effect of long-term treatment with paroxetine. *Neurobiology of Disease*, **2017**, 104, 50-60	7.5	12
101	Beneficial potential of intravenously administered IL-6 in improving outcome after murine experimental stroke. *Brain, Behavior, and Immunity*, **2017**, 65, 296-311	16.6	21
100	Fumarate decreases edema volume and improves functional outcome after experimental stroke. *Experimental Neurology*, **2017**, 295, 144-154	5.7	30
99	Serotonin augmentation therapy by escitalopram has minimal effects on amyloid-β levels in early-stage Alzheimer's-like disease in mice. *Alzheimer's Research and Therapy*, **2017**, 9, 74	9	8
98	Interleukin-6 is increased in plasma and cerebrospinal fluid of community-dwelling domestic dogs with acute ischaemic stroke. *NeuroReport*, **2017**, 28, 134-140	1.7	8
97	Cortical Morphogenesis during Embryonic Development Is Regulated by miR-34c and miR-204. *Frontiers in Molecular Neuroscience*, **2017**, 10, 31	6.1	8
96	TNFα affects CREB-mediated neuroprotective signaling pathways of synaptic plasticity in neurons as revealed by proteomics and phospho-proteomics. *Oncotarget*, **2017**, 8, 60223-60242	3.3	10
95	Genetic ablation of soluble tumor necrosis factor with preservation of membrane tumor necrosis factor is associated with neuroprotection after focal cerebral ischemia. *Journal of Cerebral Blood Flow and Metabolism*, **2016**, 36, 1553-69	7.3	30
94	Cell therapy centered on IL-1Ra is neuroprotective in experimental stroke. *Acta Neuropathologica*, **2016**, 131, 775-91	14.3	46
93	An integrated proteomics approach shows synaptic plasticity changes in an APP/PS1 Alzheimer's mouse model. *Oncotarget*, **2016**, 7, 33627-48	3.3	34
92	Behavioural Phenotyping of APPswe/PS1E9 Mice: Age-Rrelated Changes and Effect of Long-Term Paroxetine Treatment. *PLoS ONE*, **2016**, 11, e0165144	3.7	22
91	Myelin-specific T cells induce interleukin-1beta expression in lesion-reactive microglial-like cells in zones of axonal degeneration. *Glia*, **2016**, 64, 407-24	9	17
90	Conditional ablation of myeloid TNF increases lesion volume after experimental stroke in mice, possibly via altered ERK1/2 signaling. *Scientific Reports*, **2016**, 6, 29291	4.9	23
89	Functional organization of an Mbp enhancer exposes striking transcriptional regulatory diversity within myelinating glia. *Glia*, **2016**, 64, 175-94	9	4
88	Telomere dysfunction reduces microglial numbers without fully inducing an aging phenotype. *Neurobiology of Aging*, **2015**, 36, 2164-75	5.6	14
87	Cytokine-producing microglia have an altered beta-amyloid load in aged APP/PS1 Tg mice. *Brain, Behavior, and Immunity*, **2015**, 48, 86-101	16.6	63

86	Neuroinflammation in Alzheimer's disease. *Lancet Neurology, The*, **2015**, 14, 388-405	24.1	2760
85	Spatio-temporal regulation of circular RNA expression during porcine embryonic brain development. *Genome Biology*, **2015**, 16, 245	18.3	306
84	CD8+ T cells complement antibodies in protecting against yellow fever virus. *Journal of Immunology* , **2015**, 194, 1141-53	5.3	50
83	Accelerated microglial pathology is associated with Aβ plaques in mouse models of Alzheimer's disease. *Aging Cell*, **2014**, 13, 584-95	9.9	84
82	No effect of ablation of surfactant protein-D on acute cerebral infarction in mice. *Journal of Neuroinflammation*, **2014**, 11, 123	10.1	16
81	Suppressors of cytokine signaling 1 and 3 are upregulated in brain resident cells in response to virus-induced inflammation of the central nervous system via at least two distinctive pathways. *Journal of Virology*, **2014**, 88, 14090-104	6.6	8
80	Systemically administered anti-TNF therapy ameliorates functional outcomes after focal cerebral ischemia. *Journal of Neuroinflammation*, **2014**, 11, 203	10.1	60
79	Oral treatment with the NADPH oxidase antagonist apocynin mitigates clinical and pathological features of parkinsonism in the MPTP marmoset model. *Journal of NeuroImmune Pharmacology*, **2013**, 8, 715-26	6.9	35
78	Quantification of microglial proliferation and apoptosis by flow cytometry. *Methods in Molecular Biology*, **2013**, 1041, 129-45	1.4	4
77	Natural RNA circles function as efficient microRNA sponges. *Nature*, **2013**, 495, 384-8	50.4	4576
76	Alternative polyadenylation and miR-34 family members regulate tau expression. *Journal of Neurochemistry*, **2013**, 127, 739-49	6	95
75	In situ hybridization of cytokine mRNA using alkaline phosphatase-labelled oligodeoxynucleotide probes. *Methods in Molecular Biology*, **2013**, 1041, 83-91	1.4	5
74	Inflammatory cytokines in experimental and human stroke. *Journal of Cerebral Blood Flow and Metabolism*, **2012**, 32, 1677-98	7.3	456
73	Differential impact of interferon regulatory factor 7 in initiation of the type I interferon response in the lymphocytic choriomeningitis virus-infected central nervous system versus the periphery. *Journal of Virology*, **2012**, 86, 7384-92	6.6	14
72	The acyl-CoA binding protein is required for normal epidermal barrier function in mice. *Journal of Lipid Research*, **2012**, 53, 2162-2174	6.3	28
71	Stimulation of adult oligodendrogenesis by myelin-specific T cells. *American Journal of Pathology*, **2011**, 179, 2028-41	5.8	22
70	Differences in origin of reactive microglia in bone marrow chimeric mouse and rat after transient global ischemia. *Journal of Neuropathology and Experimental Neurology*, **2011**, 70, 481-94	3.1	32
69	Innate immune responses in central nervous system inflammation. *FEBS Letters*, **2011**, 585, 3806-12	3.8	39

68	Disruption of the acyl-CoA-binding protein gene delays hepatic adaptation to metabolic changes at weaning. *Journal of Biological Chemistry*, **2011**, 286, 3460-72	5.4	49
67	CSF transthyretin neuroprotection in a mouse model of brain ischemia. *Journal of Neurochemistry*, **2010**, 115, 1434-44	6	59
66	The postischemic environment differentially impacts teratoma or tumor formation after transplantation of human embryonic stem cell-derived neural progenitors. *Stroke*, **2010**, 41, 153-9	6.7	113
65	Axonal plasticity elicits long-term changes in oligodendroglia and myelinated fibers. *Glia*, **2010**, 58, 29-42	9	17
64	Fulminant lymphocytic choriomeningitis virus-induced inflammation of the CNS involves a cytokine-chemokine-cytokine-chemokine cascade. *Journal of Immunology*, **2009**, 182, 1079-87	5.3	33
63	Microglia protect neurons against ischemia by synthesis of tumor necrosis factor. *Journal of Neuroscience*, **2009**, 29, 1319-30	6.6	282
62	Enhanced microglial clearance of myelin debris in T cell-infiltrated central nervous system. *Journal of Neuropathology and Experimental Neurology*, **2009**, 68, 845-56	3.1	26
61	Expression and role of CXCL10 during the encephalitic stage of experimental and clinical African trypanosomiasis. *Journal of Infectious Diseases*, **2009**, 200, 1556-65	7	67
60	An empirical analysis of the precision of estimating the numbers of neurons and glia in human neocortex using a fractionator-design with sub-sampling. *Journal of Neuroscience Methods*, **2009**, 182, 143-56	3	36
59	New parameters for analysis of changes microglial morphology using stereology and histomorphometry. *FASEB Journal*, **2009**, 23, 831.6	0.9	1
58	Interleukin-1beta and tumor necrosis factor-alpha are expressed by different subsets of microglia and macrophages after ischemic stroke in mice. *Journal of Neuroinflammation*, **2008**, 5, 46	10.1	191
57	The function of the human interferon-beta 1a glycan determined in vivo. *Journal of Pharmacology and Experimental Therapeutics*, **2008**, 326, 338-47	4.7	35
56	Immunohistochemical markers for quantitative studies of neurons and glia in human neocortex. *Journal of Histochemistry and Cytochemistry*, **2008**, 56, 201-21	3.4	56
55	Unbiased cell quantification reveals a continued increase in the number of neocortical neurones during early post-natal development in mice. *European Journal of Neuroscience*, **2007**, 26, 1749-64	3.5	45
54	Changes in brain levels of N-acylethanolamines and 2-arachidonoylglycerol in focal cerebral ischemia in mice. *Journal of Neurochemistry*, **2007**, 103, 1907-16	6	76
53	Population control of resident and immigrant microglia by mitosis and apoptosis. *American Journal of Pathology*, **2007**, 171, 617-31	5.8	61
52	Microglial Cell Population Expansion Following Acute Neural Injury **2007**, 37-52		2
51	Glyceraldehyde-3-phosphate dehydrogenase versus toluidine blue as a marker for infarct volume estimation following permanent middle cerebral artery occlusion in mice. *Experimental Brain Research*, **2006**, 175, 60-7	2.3	9

50	Expression of glutamic acid decarboxylase and identification of GABAergic cells in the ischemic rat dentate gyrus. *Experimental Brain Research*, **2006**, 175, 556-66	2.3	4
49	Axonal degeneration stimulates the formation of NG2+ cells and oligodendrocytes in the mouse. *Glia*, **2006**, 54, 105-15	9	28
48	Tumor necrosis factor and its p55 and p75 receptors are not required for axonal lesion-induced microgliosis in mouse fascia dentata. *Glia*, **2006**, 54, 591-605	9	18
47	Toll-like receptor 2 signaling in response to brain injury: an innate bridge to neuroinflammation. *Journal of Neuroscience*, **2006**, 26, 12826-37	6.6	163
46	Distribution of PK11195 binding sites in porcine brain studied by autoradiography in vitro and by positron emission tomography. *Synapse*, **2006**, 59, 418-26	2.4	17
45	Up-regulation of PK11195 binding in areas of axonal degeneration coincides with early microglial activation in mouse brain. *European Journal of Neuroscience*, **2006**, 24, 991-1000	3.5	22
44	Immunohistochemical visualization of neurons and specific glial cells for stereological application in the porcine neocortex. *Journal of Neuroscience Methods*, **2006**, 152, 229-42	3	20
43	Validation of two reference genes for mRNA level studies of murine disease models in neurobiology. *Journal of Neuroscience Methods*, **2006**, 156, 101-10	3	38
42	Quantitative changes in the neuronal and oligodendroglial cell populations during myelination of the murine neocortex. *FASEB Journal*, **2006**, 20, A880	0.9	
41	Microglial cell population dynamics in the injured adult central nervous system. *Brain Research Reviews*, **2005**, 48, 196-206		258
40	A quantitative study of microglial-macrophage synthesis of tumor necrosis factor during acute and late focal cerebral ischemia in mice. *Journal of Cerebral Blood Flow and Metabolism*, **2005**, 25, 119-35	7.3	110
39	Proliferating resident microglia express the stem cell antigen CD34 in response to acute neural injury. *Glia*, **2005**, 50, 121-31	9	109
38	Reactive microgliosis engages distinct responses by microglial subpopulations after minor central nervous system injury. *Journal of Neuroscience Research*, **2005**, 82, 507-14	4.4	51
37	A role for interferon-gamma in focal cerebral ischemia in mice. *Journal of Neuropathology and Experimental Neurology*, **2004**, 63, 942-55	3.1	56
36	Dynamics of oligodendrocyte responses to anterograde axonal (Wallerian) and terminal degeneration in normal and TNF-transgenic mice. *Journal of Neuroscience Research*, **2004**, 75, 203-17	4.4	16
35	Fkbp8: novel isoforms, genomic organization, and characterization of a forebrain promoter in transgenic mice. *Genomics*, **2004**, 83, 181-92	4.3	24
34	Memantine attenuates the increase in striatal preproenkephalin mRNA expression and development of haloperidol-induced persistent oral dyskinesias in rats. *Brain Research*, **2003**, 994, 188-92	3.7	9
33	Dynamics of microglia in the developing rat brain. *Journal of Comparative Neurology*, **2003**, 458, 144-57	3.4	119

32	Estimation of absolute microglial cell numbers in mouse fascia dentata using unbiased and efficient stereological cell counting principles. *Glia*, **2003**, 44, 129-39	9	35
31	Perforant path lesioning induces sprouting of CA3-associated fibre systems in mouse hippocampal formation. *Experimental Brain Research*, **2002**, 144, 79-87	2.3	9
30	Microglial-macrophage synthesis of tumor necrosis factor after focal cerebral ischemia in mice is strain dependent. *Journal of Cerebral Blood Flow and Metabolism*, **2002**, 22, 785-97	7.3	57
29	Characterization of two novel nuclear BTB/POZ domain zinc finger isoforms. Association with differentiation of hippocampal neurons, cerebellar granule cells, and macroglia. *Journal of Biological Chemistry*, **2002**, 277, 7598-609	5.4	62
28	A reeler mutant mouse with a new, spontaneous mutation in the reelin gene. *Molecular Brain Research*, **2002**, 105, 153-6		15
27	The pathogenesis of encephalitis. *NeuroImmune Biology*, **2001**, 1, 387-397		
26	A specific and sensitive method for visualization of tumor necrosis factor in the murine central nervous system. *Brain Research Protocols*, **2001**, 7, 175-91		35
25	Molecular and cellular mechanisms in immune rejection of intracerebral neural transplants. *Novartis Foundation Symposium*, **2000**, 231, 166-77; discussion 177-83, 302-6		12
24	Microglia and macrophages are the major source of tumor necrosis factor in permanent middle cerebral artery occlusion in mice. *Journal of Cerebral Blood Flow and Metabolism*, **2000**, 20, 53-65	7.3	263
23	No changes in dopamine D(1) receptor mRNA expressing neurons in the dorsal striatum of rats with oral movements induced by long-term haloperidol administration. *Brain Research*, **2000**, 859, 394-7	3.7	14
22	Increased synthesis of heparin affin regulatory peptide in the perforant path lesioned mouse hippocampal formation. *Experimental Brain Research*, **2000**, 135, 319-30	2.3	20
21	IFNgamma enhances microglial reactions to hippocampal axonal degeneration. *Journal of Neuroscience*, **2000**, 20, 3612-21	6.6	67
20	Axonal sprouting regulates myelin basic protein gene expression in denervated mouse hippocampus. *International Journal of Developmental Neuroscience*, **2000**, 18, 221-35	2.7	19
19	Reduced number of striatal neurons expressing preprosomatostatin mRNA in rats with oral dyskinesias after long-term haloperidol administration. *Neuroscience Letters*, **2000**, 279, 21-4	3.3	10
18	muFKBP38: a novel murine immunophilin homolog differentially expressed in Schwannoma cells and central nervous system neurons in vivo. *Electrophoresis*, **1999**, 20, 249-55	3.6	33
17	Development of microglia in the postnatal rat hippocampus. *Hippocampus*, **1998**, 8, 458-74	3.5	102
16	Microglia and macrophages are major sources of locally produced transforming growth factor-beta1 after transient middle cerebral artery occlusion in rats. *Glia*, **1998**, 24, 437-48	9	152
15	Hilar somatostatin-mRNA containing neurons are preserved after perforant path kindling in the rat. *Neuroscience Letters*, **1998**, 255, 45-8	3.3	18

14	Expression of a novel murine phospholipase D homolog coincides with late neuronal development in the forebrain. *Journal of Biological Chemistry*, **1998**, 273, 31494-504	5.4	38
13	Enriched immune-environment of blood-brain barrier deficient areas of normal adult rats. *Journal of Neuroimmunology*, **1997**, 76, 117-31	3.5	38
12	Development of microglia in the prenatal rat hippocampus. *Journal of Comparative Neurology*, **1997**, 377, 70-84	3.4	75
11	Microglial and macrophage reactions mark progressive changes and define the penumbra in the rat neocortex and striatum after transient middle cerebral artery occlusion. *Journal of Comparative Neurology*, **1997**, 386, 461-476	3.4	117
10	No loss of hippocampal hilar somatostatinergic neurons after repeated electroconvulsive shock: a combined stereological and in situ hybridization study. *Biological Psychiatry*, **1996**, 40, 54-60	7.9	19
9	Reduction of the microglial cell number in rat primary glial cell cultures by exogenous addition of dibutyryl cyclic adenosine monophosphate. *Journal of Neuroimmunology*, **1996**, 70, 123-9	3.5	6
8	Estimation of the number of somatostatin neurons in the striatum: an in situ hybridization study using the optical fractionator method. *Journal of Comparative Neurology*, **1996**, 370, 11-22	3.4	218
7	Estimation of the number of somatostatin neurons in the striatum: An in situ hybridization study using the optical fractionator method **1996**, 370, 11		2
6	Prevention of mouse-rat brain xenograft rejection by a combination therapy of cyclosporin A, prednisolone and azathioprine. *Experimental Brain Research*, **1995**, 106, 181-6	2.3	37
5	Xenografts of mouse hippocampal tissue. Exchange of laminar and neuropeptide specific nerve connections with the host rat brain. *Brain Research Bulletin*, **1988**, 20, 369-79	3.9	22
4	Nerve connections between mouse and rat hippocampal brain tissue: ultrastructural observations after intracerebral xenografting. *Brain Research*, **1987**, 413, 392-7	3.7	23
3	Hippocampal Transplants: Synaptic Organization, their Use in Repair of Neuronal Circuits and Mouse to Rat Xenografting **1987**, 545-564		8
2	Timm staining of hippocampal nerve cell bodies in the Kyoto rat. A cell marker in allo- and xenografting of rat and mouse brain tissue, revealing neuronal migration. *Developmental Brain Research*, **1986**, 394, 51-9		15
1	Tauopathy in theAPPswe/PS1Δ9mouse model of familial Alzheimer's disease		2