Klas Blomgren

List of Publications by Year
in descending order

104 papers	13,227 citations	81743 39 h-index	30848 102 g-index
106 all docs	106 docs citations	106 times ranked	18369 citing authors

#	Article	IF	Citations
1	Optical Coherence Tomography Identifies Visual Pathway Involvement Earlier than Visual Function Tests in Children with MRI-Verified Optic Pathway Gliomas. Cancers, 2022, 14, 318.	1.7	2
2	An overlooked subset of Cx3cr1wt/wt microglia in the Cx3cr1CreER-Eyfp/wt mouse has a repopulation advantage over Cx3cr1CreER-Eyfp/wt microglia following microglial depletion. Journal of Neuroinflammation, 2022, 19, 20.	3.1	12
3	A crossâ€sectional survey of moral distress and ethical climate â€“ Situations in paediatric oncology care that involve childrenâ€™s voices. Nursing Open, 2022, 9, 2108-2116.	1.1	7
4	The SARS-CoV-2 receptor ACE2 is expressed in mouse pericytes but not endothelial cells: Implications for COVID-19 vascular research. Stem Cell Reports, 2022, 17, 1089-1104.	2.3	41
5	LTBK-06. Memantine increases dendritic arborization and integration of immature neurons after cranial irradiation. Neuro-Oncology, 2022, 24, i192-i192.	0.6	0
6	The investigation of calpain in human placenta with fetal growth restriction. American Journal of Reproductive Immunology, 2021, 85, e13325.	1.2	1
7	Lithium treatment reverses irradiation-induced changes in rodent neural progenitors and rescues cognition. Molecular Psychiatry, 2021, 26, 322-340.	4.1	25
8	Can National Tests from the Last Year of Compulsory School Be Used to Obtain More Detailed Information about Academic Performance in Children Treated for Brain Tumours? A Nationwide, Population-Based Study from Sweden. Cancers, 2021, 13, 135.	1.7	4
9	Uncovering sex differences of rodent microglia. Journal of Neuroinflammation, 2021, 18, 74.	3.1	89
10	Multifaceted microglia â€” key players in primary brain tumour heterogeneity. Nature Reviews Neurology, 2021, 17, 243-259.	4.9	27
11	Umbilical cord-derived mesenchymal stromal cells immunomodulate and restore actin dynamics and phagocytosis of LPS-activated microglia via PI3K/Akt/Rho GTPase pathway. Cell Death Discovery, 2021, 7, 46.	2.0	11
12	Radiobiological Evaluation of Combined Gamma Knife Radiosurgery and Hyperthermia for Pediatric Neuro-Oncology. Cancers, 2021, 13, 3277.	1.7	5
13	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 262 Td	4.3	1,430
14	A nationwide, populationâ€based study of school grades, delayed graduation, and qualification for school years 10â€12, in children with brain tumors in Sweden. Pediatric Blood and Cancer, 2020, 67, e28014.	0.8	17
15	Sex-Specific Effects of Microglia-Like Cell Engraftment during Experimental Autoimmune Encephalomyelitis. International Journal of Molecular Sciences, 2020, 21, 6824.	1.8	12
16	HCN Channel Activity Balances Quiescence and Proliferation in Neural Stem Cells and Is a Selective Target for Neuroprotection During Cancer Treatment. Molecular Cancer Research, 2020, 18, 1522-1533.	1.5	6
17	Underestimated Peripheral Effects Following Pharmacological and Conditional Genetic Microglial Depletion. International Journal of Molecular Sciences, 2020, 21, 8603.	1.8	27
18	Nationwide, population-based study of school grades in practical and aesthetic subjects of children treated for brain tumour. BMJ Paediatrics Open, 2020, 4, e000619.	0.6	5

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19	Radiation Triggers a Dynamic Sequence of Transient Microglial Alterations in Juvenile Brain. Cell Reports, 2020, 31, 107699.	2.9	23
20	Autophagy in neurodegeneration: New insights underpinning therapy for neurological diseases. Journal of Neurochemistry, 2020, 154, 354-371.	2.1	83
21	Absence of microglia or presence of peripherallyâ€derived macrophages does not affect tau pathology in young or old hTau mice. Glia, 2020, 68, 1466-1478.	2.5	10
22	Overexpression of apoptosis inducing factor aggravates hypoxic-ischemic brain injury in neonatal mice. Cell Death and Disease, 2020, 11, 77.	2.7	27
23	Aggravated brain injury after neonatal hypoxic ischemia in microglia-depleted mice. Journal of Neuroinflammation, 2020, 17, 111.	3.1	37
24	Hyperthermia Treatment Planning Including Convective Flow in Cerebrospinal Fluid for Brain Tumour Hyperthermia Treatment Using a Novel Dedicated Paediatric Brain Applicator. Cancers, 2019, 11, 1183.	1.7	26
25	The interpreterâ€™s voice: Carrying the bilingual conversation in interpreter-mediated consultations in pediatric oncology care. Patient Education and Counseling, 2019, 102, 656-662.	1.0	7
26	Selective Neural Deletion of the Atg7 Gene Reduces Irradiation-Induced Cerebellar White Matter Injury in the Juvenile Mouse Brain by Ameliorating Oligodendrocyte Progenitor Cell Loss. Frontiers in Cellular Neuroscience, 2019, 13, 241.	1.8	5
27	Language barriers and the use of professional interpreters: a national multisite cross-sectional survey in pediatric oncology care. Acta OncolÃ³gica, 2019, 58, 1015-1020.	0.8	25
28	Moral distress in paediatric oncology: Contributing factors and group differences. Nursing Ethics, 2019, 26, 2351-2363.	1.8	34
29	Lack of the brain-specific isoform of apoptosis-inducing factor aggravates cerebral damage in a model of neonatal hypoxiaâ€“ischemia. Cell Death and Disease, 2019, 10, 3.	2.7	25
30	The Secretome of Microglia Regulate Neural Stem Cell Function. Neuroscience, 2019, 405, 92-102.	1.1	27
31	Ethics case reflection sessions: Enablers and barriers. Nursing Ethics, 2018, 25, 199-211.	1.8	16
32	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. Cell Death and Differentiation, 2018, 25, 486-541.	5.0	4,036
33	A role for endothelial cells in radiation-induced inflammation. International Journal of Radiation Biology, 2018, 94, 259-271.	1.0	18
34	Development and evaluation of the Communication over Language Barriers questionnaire (CoLB-q) in paediatric healthcare. Patient Education and Counseling, 2018, 101, 1661-1668.	1.0	7
35	Glioma-induced SIRT1-dependent activation of hMOF histone H4 lysine 16 acetyltransferase in microglia promotes a tumor supporting phenotype. OncoImmunology, 2018, 7, e1382790.	2.1	19
36	Lithium Treatment Is Safe in Children With Intellectual Disability. Frontiers in Molecular Neuroscience, 2018, 11, 425.	1.4	18

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37	Grafting Neural Stem and Progenitor Cells Into the Hippocampus of Juvenile, Irradiated Mice Normalizes Behavior Deficits. Frontiers in Neurology, 2018, 9, 715.	1.1	11
38	Carbamylated Erythropoietin Decreased Proliferation and Neurogenesis in the Subventricular Zone, but Not the Dentate Gyrus, After Irradiation to the Developing Rat Brain. Frontiers in Neurology, 2018, 9, 738.	1.1	8
39	Constitutive PGC-1Î± Overexpression in Skeletal Muscle Does Not Improve Morphological Outcome in Mouse Models of Brain Irradiation or Cortical Stroke. Neuroscience, 2018, 384, 314-328.	1.1	6
40	Lithium Accumulates in Neurogenic Brain Regions as Revealed by High Resolution Ion Imaging. Scientific Reports, 2017, 7, 40726.	1.6	37
41	Haploinsufficiency in the mitochondrial protein CHCHD4 reduces brain injury in a mouse model of neonatal hypoxia-ischemia. Cell Death and Disease, 2017, 8, e2781-e2781.	2.7	18
42	Hypothermia after cranial irradiation protects neural progenitor cells in the subventricular zone but not in the hippocampus. International Journal of Radiation Biology, 2017, 93, 771-783.	1.0	2
43	Inhibition of autophagy prevents irradiation-induced neural stem and progenitor cell death in the juvenile mouse brain. Cell Death and Disease, 2017, 8, e2694-e2694.	2.7	34
44	Radiation induces progenitor cell death, microglia activation, and blood-brain barrier damage in the juvenile rat cerebellum. Scientific Reports, 2017, 7, 46181.	1.6	50
45	Lithium protects hippocampal progenitors, cognitive performance and hypothalamus-pituitary function after irradiation to the juvenile rat brain. Oncotarget, 2017, 8, 34111-34127.	0.8	27
46	Effects of physically active video gaming on cognition and activities of daily living in childhood brain tumor survivors: a randomized pilot study. Neuro-Oncology Practice, 2017, 4, 98-110.	1.0	23
47	Active video gaming improves body coordination in survivors of childhood brain tumours. Disability and Rehabilitation, 2016, 38, 2073-2084.	0.9	50
48	Glioma-induced inhibition of caspase-3 in microglia promotes a tumor-supportive phenotype. Nature Immunology, 2016, 17, 1282-1290.	7.0	76
49	Autophagy in acute brain injury. Nature Reviews Neuroscience, 2016, 17, 467-484.	4.9	174
50	Creating a Meeting Point of Understanding. Journal of Pediatric Oncology Nursing, 2016, 33, 137-145.	1.5	13
51	Neuroprotection by selective neuronal deletion of <i>Atg7</i> in neonatal brain injury. Autophagy, 2016, 12, 410-423.	4.3	140
52	Acute and Long-Term Effects of Brief Sevoflurane Anesthesia During the Early Postnatal Period in Rats. Toxicological Sciences, 2016, 149, 121-133.	1.4	55
53	Healthcare professionalsâ€™ perceptions of the ethical climate in paediatric cancer care. Nursing Ethics, 2016, 23, 877-888.	1.8	28
54	Cranial irradiation induces transient microglia accumulation, followed by long-lasting inflammation and loss of microglia. Oncotarget, 2016, 7, 82305-82323.	0.8	51

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55	Caspase inhibition impaired the neural stem/progenitor cell response after cortical ischemia in mice. Oncotarget, 2016, 7, 2239-2248.	0.8	14
56	C3 deficiency ameliorates the negative effects of irradiation of the young brain on hippocampal development and learning. Oncotarget, 2016, 7, 19382-19394.	0.8	21
57	Dichloroacetate treatment improves mitochondrial metabolism and reduces brain injury in neonatal mice. Oncotarget, 2016, 7, 31708-31722.	0.8	40
58	Resident microglia, rather than bloodâ€derived macrophages, contribute to the earlier and more pronounced inflammatory reaction in the immature compared with the adult hippocampus after hypoxiaâ€ischemia. Glia, 2015, 63, 2220-2230.	2.5	67
59	Experiences of Ethical Issues When Caring for Children With Cancer. Cancer Nursing, 2015, 38, 125-132.	0.7	60
60	Interaction between AIF and CHCHD4 Regulates Respiratory Chain Biogenesis. Molecular Cell, 2015, 58, 1001-1014.	4.5	164
61	Microglia-Secreted Galectin-3 Acts as a Toll-like Receptor 4 Ligand and Contributes to Microglial Activation. Cell Reports, 2015, 10, 1626-1638.	2.9	268
62	Irradiation of the Juvenile Brain Provokes a Shift from Long-Term Potentiation to Long-Term Depression. Developmental Neuroscience, 2015, 37, 263-272.	1.0	131
63	Lithium increases proliferation of hippocampal neural stem/progenitor cells and rescues irradiation-induced cell cycle arrest <i>in vitro</i>. Oncotarget, 2015, 6, 37083-37097.	0.8	33
64	Different reactions to irradiation in the juvenile and adult hippocampus. International Journal of Radiation Biology, 2014, 90, 807-815.	1.0	40
65	The hippocampal neurovascular niche during normal development and after irradiation to the juvenile mouse brain. International Journal of Radiation Biology, 2014, 90, 778-789.	1.0	18
66	Altered cognitive performance and synaptic function in the hippocampus of mice lacking C3. Experimental Neurology, 2014, 253, 154-164.	2.0	59
67	Transplantation of Enteric Neural Stem/Progenitor Cells into the Irradiated Young Mouse Hippocampus. Cell Transplantation, 2014, 23, 1657-1671.	1.2	24
68	Therapeutic Benefits of Delayed Lithium Administration in the Neonatal Rat after Cerebral Hypoxia-Ischemia. PLoS ONE, 2014, 9, e107192.	1.1	34
69	Injury and Repair in the Immature Brain. Translational Stroke Research, 2013, 4, 135-136.	2.3	4
70	Inhaled Nitric Oxide Protects Males But not Females from Neonatal Mouse Hypoxiaâ€"Ischemia Brain Injury. Translational Stroke Research, 2013, 4, 201-207.	2.3	32
71	Loss of hippocampal neurogenesis, increased novelty-induced activity, decreased home cage activity, and impaired reversal learning one year after irradiation of the young mouse brain. Experimental Neurology, 2013, 247, 402-409.	2.0	68
72	Irradiation to the Young Mouse Brain Caused Long-Term, Progressive Depletion of Neurogenesis but did not Disrupt the Neurovascular Niche. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 935-943.	2.4	46

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73	Brain development in rodents and humans: Identifying benchmarks of maturation and vulnerability to injury across species. Progress in Neurobiology, 2013, 106-107, 1-16.	2.8	1,543
74	Lipopolysaccharide-Induced Inflammation Aggravates Irradiation-Induced Injury to the Young Mouse Brain. Developmental Neuroscience, 2013, 35, 406-415.	1.0	26
75	Lithium reduced neural progenitor apoptosis in the hippocampus and ameliorated functional deficits after irradiation to the immature mouse brain. Molecular and Cellular Neurosciences, 2012, 51, 32-42.	1.0	89
76	Sexâ€dependent differences in behavior and hippocampal neurogenesis after irradiation to the young mouse brain. European Journal of Neuroscience, 2012, 36, 2763-2772.	1.2	83
77	Learning and Activity after Irradiation of the Young Mouse Brain Analyzed in Adulthood Using Unbiased Monitoring in a Home Cage Environment. Radiation Research, 2011, 175, 336-346.	0.7	32
78	Unique gene expression patterns indicate microglial contribution to neural stem cell recovery following irradiation. Molecular and Cellular Neurosciences, 2011, 46, 710-719.	1.0	21
79	Lithium-Mediated Long-Term Neuroprotection in Neonatal Rat Hypoxiaâ€“Ischemia is Associated with Antiinflammatory Effects and Enhanced Proliferation and Survival of Neural Stem/Progenitor Cells. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 2106-2115.	2.4	102
80	Decreased cytogenesis in the granule cell layer of the hippocampus and impaired place learning after irradiation of the young mouse brain evaluated using the IntelliCage platform. Experimental Brain Research, 2010, 201, 781-787.	0.7	42
81	Isoflurane Anesthesia Induced Persistent, Progressive Memory Impairment, Caused a Loss of Neural Stem Cells, and Reduced Neurogenesis in Young, but Not Adult, Rodents. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 1017-1030.	2.4	268
82	Developmental Shift of Cyclophilin D Contribution to Hypoxic-Ischemic Brain Injury. Journal of Neuroscience, 2009, 29, 2588-2596.	1.7	113
83	Erythropoietin Improved Neurologic Outcomes in Newborns With Hypoxic-Ischemic Encephalopathy. Pediatrics, 2009, 124, e218-e226.	1.0	310
84	Irradiation-induced loss of microglia in the young brain. Journal of Neuroimmunology, 2009, 206, 70-75.	1.1	54
85	Age-Dependent Regenerative Responses in the Striatum and Cortex after Hypoxia-Ischemia. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 342-354.	2.4	43
86	Irradiation to the immature brain attenuates neurogenesis and exacerbates subsequent hypoxicâ€ischemic brain injury in the adult. Journal of Neurochemistry, 2009, 111, 1447-1456.	2.1	32
87	Differential Recovery of Neural Stem Cells in the Subventricular Zone and Dentate Gyrus After Ionizing Radiation. Stem Cells, 2009, 27, 634-641.	1.4	160
88	Transient Inflammation in Neurogenic Regions after Irradiation of the Developing Brain. Radiation Research, 2009, 171, 66-76.	0.7	77
89	Voluntary running rescues adult hippocampal neurogenesis after irradiation of the young mouse brain. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14632-14637.	3.3	186
90	Developing Postmitotic Mammalian Neurons<i>In Vivo</i>Lacking Apaf-1 Undergo Programmed Cell Death by a Caspase-Independent, Nonapoptotic Pathway Involving Autophagy. Journal of Neuroscience, 2008, 28, 1490-1497.	1.7	37

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91	Cyclophilin A participates in the nuclear translocation of apoptosis-inducing factor in neurons after cerebral hypoxia-ischemia. Journal of Experimental Medicine, 2007, 204, 1741-1748.	4.2	197
92	Less Neurogenesis and Inflammation in the Immature than in the Juvenile Brain after Cerebral Hypoxia-Ischemia. Journal of Cerebral Blood Flow and Metabolism, 2007, 27, 785-794.	2.4	67
93	Xâ€ƒchromosomeâ€linked inhibitor of apoptosis protein reduces oxidative stress after cerebral irradiation or hypoxiaâ€ischemia through upâ€regulation of mitochondrial antioxidants. European Journal of Neuroscience, 2007, 26, 3402-3410.	1.2	37
94	Pathological apoptosis in the developing brain. Apoptosis: an International Journal on Programmed Cell Death, 2007, 12, 993-1010.	2.2	162
95	Free radicals, mitochondria, and hypoxiaâ€"ischemia in the developing brain. Free Radical Biology and Medicine, 2006, 40, 388-397.	1.3	263
96	Age-dependent sensitivity of the developing brain to irradiation is correlated with the number and vulnerability of progenitor cells. Journal of Neurochemistry, 2005, 92, 569-584.	2.1	107
97	Progenitor cell injury after irradiation to the developing brain can be modulated by mild hypothermia or hyperthermia. Journal of Neurochemistry, 2005, 94, 1604-1619.	2.1	25
98	Role of cathepsins and cystatins in patients with recurrent miscarriage. Molecular Human Reproduction, 2005, 11, 351-355.	1.3	36
99	Apoptosis inducing factor (AIF) is essential for neuronal cell death following transient focal cerebral ischemia. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, S466-S466.	2.4	0
100	Involvement of apoptosis-inducing factor in neuronal death after hypoxia-ischemia in the neonatal rat brain. Journal of Neurochemistry, 2004, 86, 306-317.	2.1	251
101	Mitochondria and ischemic reperfusion damage in the adult and in the developing brain. Biochemical and Biophysical Research Communications, 2003, 304, 551-559.	1.0	138
102	Involvement of Caspase-3 in Cell Death after Hypoxiaâ€"Ischemia Declines during Brain Maturation. Journal of Cerebral Blood Flow and Metabolism, 2000, 20, 1294-1300.	2.4	319
103	Calpastatin Is Upregulated and Acts as a Suicide Substrate to Calpains in Neonatal Rat Hypoxia-Ischemia. Annals of the New York Academy of Sciences, 1999, 890, 270-271.	1.8	8
104	Chemokine and Inflammatory Cell Response to Hypoxia-Ischemia in Immature Rats. Pediatric Research, 1999, 45, 500-509.	1.1	308