

M Kerry O'banion

List of Publications by Year in descending order

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68
papers

7,649
citations

87888

38
h-index

98798

67
g-index

68
all docs

68
docs citations

68
times ranked

10952
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuroinflammation and M2 microglia: the good, the bad, and the inflamed. <i>Journal of Neuroinflammation</i> , 2014, 11, 98.	7.2	1,285
2	Inflammatory processes in Alzheimer's disease. <i>Journal of Neuroimmunology</i> , 2007, 184, 69-91.	2.3	664
3	The role of interleukin-1 in neuroinflammation and Alzheimer disease: an evolving perspective. <i>Journal of Neuroinflammation</i> , 2008, 5, 7.	7.2	418
4	Neuroinflammatory processes in Alzheimer's disease. <i>Journal of Neural Transmission</i> , 2010, 117, 919-947.	2.8	380
5	Cyclooxygenase-2: Molecular Biology, Pharmacology, and Neurobiology. <i>Critical Reviews in Neurobiology</i> , 1999, 13, 45-82.	3.1	373
6	Sustained hippocampal IL-1 β overexpression mediates chronic neuroinflammation and ameliorates Alzheimer plaque pathology. <i>Journal of Clinical Investigation</i> , 2007, 117, 1595-1604.	8.2	357
7	Sustained Interleukin-1 β Overexpression Exacerbates Tau Pathology Despite Reduced Amyloid Burden in an Alzheimer's Mouse Model. <i>Journal of Neuroscience</i> , 2013, 33, 5053-5064.	3.6	310
8	Noradrenergic Depletion Potentiates β -Amyloid-Induced Cortical Inflammation: Implications for Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2002, 22, 2434-2442.	3.6	231
9	Chronic Interleukin-1 β Expression in Mouse Brain Leads to Leukocyte Infiltration and Neutrophil-Independent Blood-Brain Barrier Permeability without Overt Neurodegeneration. <i>Journal of Neuroscience</i> , 2007, 27, 9301-9309.	3.6	225
10	Sustained hippocampal IL-1 β overexpression impairs contextual and spatial memory in transgenic mice. <i>Brain, Behavior, and Immunity</i> , 2010, 24, 243-253.	4.1	197
11	Interleukin-1 β Induces Prostaglandin G/H Synthase-2 (Cyclooxygenase-2) in Primary Murine Astrocyte Cultures. <i>Journal of Neurochemistry</i> , 1996, 66, 2532-2540.	3.9	181
12	Cyclooxygenase-1 in Human Alzheimer and Control Brain: Quantitative Analysis of Expression by Microglia and CA3 Hippocampal Neurons. <i>Journal of Neuropathology and Experimental Neurology</i> , 1999, 58, 1135-1146.	1.7	171
13	Galactic Cosmic Radiation Leads to Cognitive Impairment and Increased A β Plaque Accumulation in a Mouse Model of Alzheimer's Disease. <i>PLoS ONE</i> , 2012, 7, e53275.	2.5	171
14	Cyclooxygenase-2 modulates brain inflammation-related gene expression in central nervous system radiation injury. <i>Molecular Brain Research</i> , 2002, 104, 159-169.	2.3	142
15	Neuroinflammation and Memory: The Role of Prostaglandins. <i>Molecular Neurobiology</i> , 2009, 40, 15-32.	4.0	140
16	Noradrenergic depletion increases inflammatory responses in brain: effects on I β B and HSP70 expression. <i>Journal of Neurochemistry</i> , 2003, 85, 387-398.	3.9	134
17	Exploiting microglial and peripheral immune cell crosstalk to treat Alzheimer's disease. <i>Journal of Neuroinflammation</i> , 2019, 16, 74.	7.2	125
18	Cranial Irradiation Leads to Acute and Persistent Neuroinflammation with Delayed Increases in T-Cell Infiltration and CD11c Expression in C57BL/6 Mouse Brain. <i>Radiation Research</i> , 2011, 176, 459.	1.5	118

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19	Arginase 1+ microglia reduce A β plaque deposition during IL-1 β -dependent neuroinflammation. <i>Journal of Neuroinflammation</i> , 2015, 12, 203.	7.2	111
20	Targeting innate immunity for neurodegenerative disorders of the central nervous system. <i>Journal of Neurochemistry</i> , 2016, 138, 653-693.	3.9	106
21	Cyclooxygenase Inhibition as a Strategy to Ameliorate Brain Injury. <i>Journal of Neurotrauma</i> , 2002, 19, 1-15.	3.4	102
22	Adult murine hippocampal neurogenesis is inhibited by sustained IL-1 β and not rescued by voluntary running. <i>Brain, Behavior, and Immunity</i> , 2012, 26, 292-300.	4.1	101
23	Deletion or activation of the aryl hydrocarbon receptor alters adult hippocampal neurogenesis and contextual fear memory. <i>Journal of Neurochemistry</i> , 2013, 125, 430-445.	3.9	100
24	The Role of COX-1 and COX-2 in Alzheimers Disease Pathology and the Therapeutic Potentials of Non-Steroidal Anti-Inflammatory Drugs. <i>CNS and Neurological Disorders</i> , 2005, 4, 307-315.	4.3	90
25	Osteoarthritis accelerates and exacerbates Alzheimer's disease pathology in mice. <i>Journal of Neuroinflammation</i> , 2011, 8, 112.	7.2	85
26	COX-3: a splice variant of cyclooxygenase-1 in mouse neural tissue and cells. <i>Molecular Brain Research</i> , 2003, 119, 213-215.	2.3	78
27	Chronic IL-1 β -Mediated Neuroinflammation Mitigates Amyloid Pathology in a Mouse Model of Alzheimer's Disease without Inducing Overt Neurodegeneration. <i>Journal of Neuroimmune Pharmacology</i> , 2012, 7, 156-164.	4.1	72
28	Sustained IL-1 β expression impairs adult hippocampal neurogenesis independent of IL-1 signaling in nestin+ neural precursor cells. <i>Brain, Behavior, and Immunity</i> , 2013, 32, 9-18.	4.1	71
29	Are "Resting" Microglia More "M2"? <i>Frontiers in Immunology</i> , 2014, 5, 594.	4.8	68
30	Sequential Down-regulation of E-Cadherin with Squamous Cell Carcinoma Progression: Loss of E-Cadherin via a Prostaglandin E ₂ -EP2-Dependent Posttranslational Mechanism. <i>Cancer Research</i> , 2007, 67, 7654-7664.	0.9	54
31	Intraarticular induction of interleukin-1 β expression in the adult mouse, with resultant temporomandibular joint pathologic changes, dysfunction, and pain. <i>Arthritis and Rheumatism</i> , 2006, 54, 1184-1197.	6.7	51
32	Cyclooxygenase-1 mediates prostaglandin E ₂ elevation and contextual memory impairment in a model of sustained hippocampal interleukin-1 β expression. <i>Journal of Neurochemistry</i> , 2010, 114, 247-258.	3.9	49
33	Space-like 56Fe irradiation manifests mild, early sex-specific behavioral and neuropathological changes in wildtype and Alzheimer's-like transgenic mice. <i>Scientific Reports</i> , 2019, 9, 12118.	3.3	49
34	Cranial irradiation mediated spine loss is sex-specific and complement receptor-3 dependent in male mice. <i>Scientific Reports</i> , 2019, 9, 18899.	3.3	47
35	Radiation-Induced Edema is Dependent on Cyclooxygenase 2 Activity in Mouse Brain. <i>Radiation Research</i> , 2004, 161, 153-160.	1.5	45
36	Cyclooxygenase-1 Behaves as a Delayed Response Gene in PC12 Cells Differentiated by Nerve Growth Factor. <i>Journal of Biological Chemistry</i> , 1997, 272, 18534-18537.	3.4	44

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37	Chronic Neuron- and Age-Selective Down-Regulation of TNF Receptor Expression in Triple-Transgenic Alzheimer Disease Mice Leads to Significant Modulation of Amyloid- and Tau-Related Pathologies. <i>American Journal of Pathology</i> , 2013, 182, 2285-2297.	3.8	44
38	Characterization of binge-dosed methamphetamine-induced neurotoxicity and neuroinflammation. <i>NeuroToxicology</i> , 2015, 50, 131-141.	3.0	43
39	Monoclonal Antibody against the Ectodomain of E-Cadherin (DECMA-1) Suppresses Breast Carcinogenesis: Involvement of the HER/PI3K/Akt/mTOR and IAP Pathways. <i>Clinical Cancer Research</i> , 2013, 19, 3234-3246.	7.0	42
40	Amelioration of pain and histopathologic joint abnormalities in the Col1-IL-1 β XAT mouse model of arthritis by intraarticular induction of μ -opioid receptor into the temporomandibular joint. <i>Arthritis and Rheumatism</i> , 2007, 56, 2038-2048.	6.7	40
41	Spinal interleukin-1 β in a mouse model of arthritis and joint pain. <i>Arthritis and Rheumatism</i> , 2008, 58, 3100-3109.	6.7	39
42	IL-1 β -driven amyloid plaque clearance is associated with an expansion of transcriptionally reprogrammed microglia. <i>Journal of Neuroinflammation</i> , 2019, 16, 261.	7.2	38
43	Peripheral blood mononuclear cell infiltration and neuroinflammation in the HexB Δ mouse model of neurodegeneration. <i>Journal of Neuroimmunology</i> , 2008, 203, 50-57.	2.3	35
44	Brain radiation injury leads to a dose- and time-dependent recruitment of peripheral myeloid cells that depends on CCR2 signaling. <i>Journal of Neuroinflammation</i> , 2016, 13, 30.	7.2	35
45	Cytosolic prostaglandin E2 synthase (cPGES) expression is decreased in discrete cortical regions in psychiatric disease. <i>Brain Research</i> , 2006, 1103, 164-172.	2.2	33
46	Interleukin-1 β mediated amyloid plaque clearance is independent of CCR2 signaling in the APP/PS1 mouse model of Alzheimer's disease. <i>Neurobiology of Disease</i> , 2014, 69, 124-133.	4.4	33
47	Selective memory and behavioral alterations after ambient ultrafine particulate matter exposure in aged 3xTgAD Alzheimer's disease mice. <i>Particle and Fibre Toxicology</i> , 2019, 16, 45.	6.2	32
48	Regulation of prostaglandin E2 synthesis after brain irradiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005, 62, 267-272.	0.8	31
49	Intraparenchymal administration of interleukin-1 β induces cyclooxygenase-2-mediated expression of membrane- and cytosolic-associated prostaglandin E synthases in mouse brain. <i>Journal of Neuroimmunology</i> , 2004, 148, 32-40.	2.3	28
50	Soluble E-cadherin activates HER and IAP family members in HER2+ and TNBC human breast cancers. <i>Molecular Carcinogenesis</i> , 2014, 53, 893-906.	2.7	28
51	Neurogenic Effects of Low-Dose Whole-Body HZE (Fe) Ion and Gamma Irradiation. <i>Radiation Research</i> , 2016, 186, 614-623.	1.5	21
52	Gas6 induces inflammation and reduces plaque burden but worsens behavior in a sex-dependent manner in the APP/PS1 model of Alzheimer's disease. <i>Journal of Neuroinflammation</i> , 2022, 19, 38.	7.2	20
53	Behavioral, Structural and Molecular Changes following Long-term Hippocampal IL-1 β Overexpression in Transgenic Mice. <i>Journal of NeuroImmune Pharmacology</i> , 2012, 7, 145-155.	4.1	19
54	Prostaglandin E2 synthases in neurologic homeostasis and disease. <i>Prostaglandins and Other Lipid Mediators</i> , 2010, 91, 113-117.	1.9	17

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55	Fractionation enhances acute oligodendrocyte progenitor cell radiation sensitivity and leads to long term depletion. <i>Glia</i> , 2018, 66, 846-861.	4.9	17
56	Neuroinflammation and Cognitive Dysfunction in Chronic Disease and Aging. <i>Journal of NeuroImmune Pharmacology</i> , 2012, 7, 3-6.	4.1	15
57	Effects of concentrated ambient ultrafine particulate matter on hallmarks of Alzheimer's disease in the 3xTgAD mouse model. <i>NeuroToxicology</i> , 2021, 84, 172-183.	3.0	15
58	Conditional expression of human β -hexosaminidase in the neurons of Sandhoff disease rescues mice from neurodegeneration but not neuroinflammation. <i>Journal of Neuroinflammation</i> , 2012, 9, 186.	7.2	13
59	Long-Term Sex- and Genotype-Specific Effects of ^{56}Fe Irradiation on Wild-Type and APP ^{swe} /PS1 ^{dE9} Transgenic Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13305.	4.1	10
60	X-Ray Microbeam Irradiation of the Contusion-Injured Rat Spinal Cord Temporarily Improves Hind-Limb Function. <i>Radiation Research</i> , 2013, 179, 76-88.	1.5	9
61	Evaluating the Effect of Interleukin-4 in the 3xTg Mouse Model of Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2020, 14, 441.	2.8	9
62	Evaluating Effects of Glatiramer Acetate Treatment on Amyloid Deposition and Tau Phosphorylation in the 3xTg Mouse Model of Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2021, 15, 758677.	2.8	9
63	Fractionation Spares Mice From Radiation-Induced Reductions in Weight Gain But Does Not Prevent Late Oligodendrocyte Lineage Side Effects. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 96, 449-457.	0.8	7
64	Thermal Injury Lowers the Threshold for Radiation-Induced Neuroinflammation and Cognitive Dysfunction. <i>Radiation Research</i> , 2013, 180, 398-406.	1.5	6
65	Space radiation does not alter amyloid or tau pathology in the 3xTg mouse model of Alzheimer's disease. <i>Life Sciences in Space Research</i> , 2020, 27, 89-98.	2.3	6
66	Selective Inhibition of Cyclooxygenase-2 Attenuates Expression of Inflammation-Related Genes in Cns Injury. <i>Advances in Experimental Medicine and Biology</i> , 2002, 507, 155-160.	1.6	5
67	Cranial irradiation acutely and persistently impairs injury-induced microglial proliferation. <i>Brain, Behavior, & Immunity - Health</i> , 2020, 4, 100057.	2.5	3
68	Calcitonin gene-related peptide: An intra-articular therapeutic target for TMJ disorders. <i>Clinical and Experimental Dental Research</i> , 0, , .	1.9	2