

Catherine B Lawrence

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

3,802
citations

101543

36
h-index

128289

60
g-index

72
all docs

72
docs citations

72
times ranked

5180
citing authors

#	ARTICLE	IF	CITATIONS
1	Fenamate NSAIDs inhibit the NLRP3 inflammasome and protect against Alzheimer's disease in rodent models. <i>Nature Communications</i> , 2016, 7, 12504.	12.8	328
2	Alternative role for prolactin-releasing peptide in the regulation of food intake. <i>Nature Neuroscience</i> , 2000, 3, 645-646.	14.8	200
3	High-fat diet-induced memory impairment in triple-transgenic Alzheimer's disease (3xTgAD) mice is independent of changes in amyloid and tau pathology. <i>Neurobiology of Aging</i> , 2014, 35, 1821-1832.	3.1	189
4	The blood-brain barrier after stroke: Structural studies and the role of transcytotic vesicles. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 456-470.	4.3	168
5	Acute Central Ghrelin and GH Secretagogues Induce Feeding and Activate Brain Appetite Centers. <i>Endocrinology</i> , 2002, 143, 155-162.	2.8	139
6	Chloride regulates dynamic NLRP3-dependent ASC oligomerization and inflammasome priming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9371-E9380.	7.1	131
7	PRL-Releasing Peptide Reduces Food Intake and May Mediate Satiety Signaling. <i>Endocrinology</i> , 2002, 143, 360-367.	2.8	126
8	Inflammasomes as therapeutic targets for Alzheimer's disease. <i>Brain Pathology</i> , 2017, 27, 223-234.	4.1	110
9	PRL-Releasing Peptide Interacts with Leptin to Reduce Food Intake and Body Weight. <i>Endocrinology</i> , 2002, 143, 368-374.	2.8	104
10	Agouti-Related Protein Is Posttranslationally Cleaved by Proprotein Convertase 1 to Generate Agouti-Related Protein (AGRP) ₈₃₋₁₃₂ : Interaction between AGRP ₈₃₋₁₃₂ and Melanocortin Receptors Cannot Be Influenced by Syndecan-3. <i>Endocrinology</i> , 2006, 147, 1621-1631.	2.8	102
11	Centrally Administered Galanin-Like Peptide Modifies Food Intake in the Rat: A Comparison with Galanin. <i>Journal of Neuroendocrinology</i> , 2002, 14, 853-860.	2.6	101
12	Evaluation of Neuromedin U Actions in Energy Homeostasis and Pituitary Function. <i>Endocrinology</i> , 2002, 143, 3813-3821.	2.8	95
13	Anorexic But Not Pyrogenic Actions of Interleukin-1 are Modulated by Central Melanocortin-3/4 Receptors in the Rat. <i>Journal of Neuroendocrinology</i> , 2001, 13, 490-495.	2.6	82
14	Zinc depletion regulates the processing and secretion of IL-1 β . <i>Cell Death and Disease</i> , 2014, 5, e1040-e1040.	6.3	78
15	Eosinophils are key regulators of perivascular adipose tissue and vascular functionality. <i>Scientific Reports</i> , 2017, 7, 44571.	3.3	78
16	Boron-Based Inhibitors of the NLRP3 Inflammasome. <i>Cell Chemical Biology</i> , 2017, 24, 1321-1335.e5.	5.2	77
17	Obese mice exhibit an altered behavioural and inflammatory response to lipopolysaccharide. <i>DMM Disease Models and Mechanisms</i> , 2012, 5, 649-59.	2.4	69
18	Reproducibility of CRISPR-Cas9 methods for generation of conditional mouse alleles: a multi-center evaluation. <i>Genome Biology</i> , 2019, 20, 171.	8.8	69

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19	Elevation of brain glucose and polyol-pathway intermediates with accompanying brain-copper deficiency in patients with Alzheimer's disease: metabolic basis for dementia. <i>Scientific Reports</i> , 2016, 6, 27524.	3.3	68
20	Proopiomelanocortin-Derived Peptides in Rat Cerebrospinal Fluid and Hypothalamic Extracts: Evidence that Secretion Is Regulated with Respect to Energy Balance. <i>Endocrinology</i> , 2003, 144, 760-766.	2.8	64
21	Increased Brain Microvascular MMP-9 and Incidence of Haemorrhagic Transformation in Obese Mice after Experimental Stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010, 30, 267-272.	4.3	63
22	Anorectic actions of prolactin-releasing peptide are mediated by corticotropin-releasing hormone receptors. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2004, 286, R101-R107.	1.8	62
23	Hypothalamic control of feeding. <i>Current Opinion in Neurobiology</i> , 1999, 9, 778-783.	4.2	60
24	Prolonged diet-induced obesity in mice modifies the inflammatory response and leads to worse outcome after stroke. <i>Journal of Neuroinflammation</i> , 2015, 12, 140.	7.2	55
25	Mitochondrial Abnormalities and Synaptic Loss Underlie Memory Deficits Seen in Mouse Models of Obesity and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2016, 55, 915-932.	2.6	55
26	Intracerebroventricular Galanin-Like Peptide Induces Different Brain Activation Compared with Galanin. <i>Endocrinology</i> , 2003, 144, 3977-3984.	2.8	54
27	Age-related changes in core body temperature and activity in triple-transgenic Alzheimer's disease (3xTgAD) mice. <i>DMM Disease Models and Mechanisms</i> , 2012, 6, 160-70.	2.4	52
28	Anti-inflammatories in Alzheimer's disease – potential therapy or spurious correlate?. <i>Brain Communications</i> , 2020, 2, fcaa109.	3.3	52
29	Obesity and stroke: Can we translate from rodents to patients?. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 2007-2021.	4.3	49
30	Hypermetabolism in a triple-transgenic mouse model of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2012, 33, 187-193.	3.1	46
31	IL-1Rrp2 expression and IL-1F9 (IL-1H1) actions in brain cells. <i>Journal of Neuroimmunology</i> , 2003, 139, 36-43.	2.3	42
32	Galanin-like peptide (GALP) is a hypothalamic regulator of energy homeostasis and reproduction. <i>Frontiers in Neuroendocrinology</i> , 2011, 32, 1-9.	5.2	42
33	Prodromal neuroinflammatory, cholinergic and metabolite dysfunction detected by PET and MRS in the TgF344-AD transgenic rat model of AD: a collaborative multi-modal study. <i>Theranostics</i> , 2021, 11, 6644-6667.	10.0	42
34	PRL-Releasing Peptide Reduces Food Intake and May Mediate Satiety Signaling. <i>Endocrinology</i> , 2002, 143, 360-367.	2.8	42
35	Zinc Status Alters Alzheimer's Disease Progression through NLRP3-Dependent Inflammation. <i>Journal of Neuroscience</i> , 2021, 41, 3025-3038.	3.6	41
36	The Immune System in Stroke: Clinical Challenges and Their Translation to Experimental Research. <i>Journal of Neuroimmune Pharmacology</i> , 2013, 8, 867-887.	4.1	40

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37	The Effects of Galanin-Like Peptide on Energy Balance, Body Temperature and Brain Activity in the Mouse and Rat Are Independent of the GALR2/3 Receptor. <i>Journal of Neuroendocrinology</i> , 2008, 20, 128-137.	2.6	38
38	Anorectic brainstem peptides: more pieces to the puzzle. <i>Trends in Endocrinology and Metabolism</i> , 2003, 14, 60-65.	7.1	36
39	Inhibition of the NLRP3 inflammasome by HSP90 inhibitors. <i>Immunology</i> , 2021, 162, 84-91.	4.4	36
40	Impaired Satiety and Increased Feeding Behaviour in the Triple-Transgenic Alzheimer's Disease Mouse Model. <i>PLoS ONE</i> , 2012, 7, e45179.	2.5	33
41	Elevated Hypothalamic Glucocorticoid Levels Are Associated With Obesity and Hyperphagia in Male Mice. <i>Endocrinology</i> , 2016, 157, 4257-4265.	2.8	33
42	Maternal High-Fat Diet Worsens Memory Deficits in the Triple-Transgenic (3xTgAD) Mouse Model of Alzheimer's Disease. <i>PLoS ONE</i> , 2014, 9, e99226.	2.5	33
43	Repeated administration of the anorectic factor prolactin-releasing peptide leads to tolerance to its effects on energy homeostasis. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2003, 285, R1005-R1010.	1.8	29
44	Old Dog New Tricks; Revisiting How Stroke Modulates the Systemic Immune Landscape. <i>Frontiers in Neurology</i> , 2019, 10, 718.	2.4	29
45	LRR8A is essential for hypotonicity-, but not for DAMP-induced NLRP3 inflammasome activation. <i>ELife</i> , 2020, 9, .	6.0	29
46	Acute high-fat feeding leads to disruptions in glucose homeostasis and worsens stroke outcome. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 1026-1037.	4.3	27
47	Systemic inflammation affects reperfusion following transient cerebral ischaemia. <i>Experimental Neurology</i> , 2016, 277, 252-260.	4.1	23
48	Interleukin-1 Mediates the Anorexic and Febrile Actions of Galanin-Like Peptide. <i>Endocrinology</i> , 2008, 149, 5791-5802.	2.8	20
49	Stroke Induces Prolonged Changes in Lipid Metabolism, the Liver and Body Composition in Mice. <i>Translational Stroke Research</i> , 2020, 11, 837-850.	4.2	19
50	The two pore potassium channel <i>THIK1</i> regulates NLRP3 inflammasome activation. <i>Glia</i> , 2022, 70, 1301-1316.	4.9	19
51	Adipose tissue, metabolic and inflammatory responses to stroke are altered in obese mice. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 1229-1243.	2.4	18
52	Ligature-induced periodontitis induces systemic inflammation but does not alter acute outcome after stroke in mice. <i>International Journal of Stroke</i> , 2020, 15, 175-187.	5.9	18
53	Is Targeting the Inflammasome a Way Forward for Neuroscience Drug Discovery?. <i>SLAS Discovery</i> , 2018, 23, 991-1017.	2.7	17
54	Nanoparticle-Enabled Enrichment of Longitudinal Blood Proteomic Fingerprints in Alzheimer's Disease. <i>ACS Nano</i> , 2021, 15, 7357-7369.	14.6	17

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55	Galanin-like peptide: A role in the homeostatic regulation of energy balance?. <i>Neuropharmacology</i> , 2008, 55, 1-7.	4.1	13
56	Proteolysis of the low density lipoprotein receptor by bone morphogenetic protein-1 regulates cellular cholesterol uptake. <i>Scientific Reports</i> , 2019, 9, 11416.	3.3	13
57	Regenerative Potential of Hydrogels for Intracerebral Hemorrhage: Lessons from Ischemic Stroke and Traumatic Brain Injury Research. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100455.	7.6	13
58	Therapeutic potential of extracellular vesicles in preclinical stroke models: a systematic review and meta-analysis. <i>BMJ Open Science</i> , 2020, 44, e100047.	1.7	12
59	Comorbidity and age in the modelling of stroke: are we still failing to consider the characteristics of stroke patients?. <i>BMJ Open Science</i> , 2020, 44, e100013.	1.7	11
60	Selective inhibition of the K ⁺ efflux sensitive NLRP3 pathway by Cl ⁻ channel modulation. <i>Chemical Science</i> , 2020, 11, 11720-11728.	7.4	9
61	A hyperacute immune map of ischaemic stroke patients reveals alterations to circulating innate and adaptive cells. <i>Clinical and Experimental Immunology</i> , 2021, 203, 458-471.	2.6	7
62	LRRRC8A is dispensable for a variety of microglial functions and response to acute stroke. <i>Glia</i> , 2022, 70, 1068-1083.	4.9	7
63	Galanin-like peptide modulates energy balance by affecting inflammatory mediators?. <i>Physiology and Behavior</i> , 2009, 97, 515-519.	2.1	4
64	UK consensus on pre-clinical vascular cognitive impairment functional outcomes assessment: Questionnaire and workshop proceedings. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 1402-1414.	4.3	4
65	Response to correspondence on "Reproducibility of CRISPR-Cas9 methods for generation of conditional mouse alleles: a multi-center evaluation". <i>Genome Biology</i> , 2021, 22, 99.	8.8	4
66	Galanin-Like Peptide: Neural Regulator of Energy Homeostasis and Reproduction. <i>Exs</i> , 2010, 102, 263-280.	1.4	4
67	Letter by McColl et al Regarding Article, "Influenza Virus Infection Aggravates Stroke Outcome"; <i>Stroke</i> , 2011, 42, e416; author reply e417.	2.0	3
68	The Contribution of Raised Metabolic Rate in the Weight Loss Associated with Alzheimer's Disease. , 2015, , 479-486.		1