

Stuart Lance Macaulay

List of Publications by Year in descending order

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69
papers

7,369
citations

117571

34
h-index

98753

67
g-index

69
all docs

69
docs citations

69
times ranked

11456
citing authors

#	ARTICLE	IF	CITATIONS
1	Amyloid β deposition, neurodegeneration, and cognitive decline in sporadic Alzheimer's disease: a prospective cohort study. <i>Lancet Neurology</i> , The, 2013, 12, 357-367.	4.9	1,738
2	Interleukin-6 Increases Insulin-Stimulated Glucose Disposal in Humans and Glucose Uptake and Fatty Acid Oxidation In Vitro via AMP-Activated Protein Kinase. <i>Diabetes</i> , 2006, 55, 2688-2697.	0.3	699
3	Single phosphorylation sites in Acc1 and Acc2 regulate lipid homeostasis and the insulin-sensitizing effects of metformin. <i>Nature Medicine</i> , 2013, 19, 1649-1654.	15.2	674
4	Blood-Based Protein Biomarkers for Diagnosis of Alzheimer Disease. <i>Archives of Neurology</i> , 2012, 69, 1318.	4.9	348
5	A Role for Protein Kinase β /Akt2 in Insulin-Stimulated GLUT4 Translocation in Adipocytes. <i>Molecular and Cellular Biology</i> , 1999, 19, 7771-7781.	1.1	294
6	β -Subunit myristoylation is the gatekeeper for initiating metabolic stress sensing by AMP-activated protein kinase (AMPK). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 19237-19241.	3.3	267
7	Retinal vascular biomarkers for early detection and monitoring of Alzheimer's disease. <i>Translational Psychiatry</i> , 2013, 3, e233-e233.	2.4	230
8	Predicting Alzheimer disease with β -amyloid imaging: Results from the Australian imaging, biomarkers, and lifestyle study of ageing. <i>Annals of Neurology</i> , 2013, 74, 905-913.	2.8	194
9	Characterization of Munc-18c and Syntaxin-4 in 3T3-L1 Adipocytes. <i>Journal of Biological Chemistry</i> , 1997, 272, 6179-6186.	1.6	188
10	Physical activity and amyloid- β plasma and brain levels: results from the Australian Imaging, Biomarkers and Lifestyle Study of Ageing. <i>Molecular Psychiatry</i> , 2013, 18, 875-881.	4.1	185
11	Impaired Activation of AMP-Kinase and Fatty Acid Oxidation by Globular Adiponectin in Cultured Human Skeletal Muscle of Obese Type 2 Diabetics. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005, 90, 3665-3672.	1.8	173
12	Adherence to a Mediterranean diet and Alzheimer's disease risk in an Australian population. <i>Translational Psychiatry</i> , 2012, 2, e164-e164.	2.4	149
13	Factors affecting subjective memory complaints in the AIBL aging study: biomarkers, memory, affect, and age. <i>International Psychogeriatrics</i> , 2013, 25, 1307-1315.	0.6	142
14	The Relationship between Sleep Quality and Brain Amyloid Burden. <i>Sleep</i> , 2016, 39, 1063-1068.	0.6	123
15	Identification and Functional Characterization of Protein Kinase A Phosphorylation Sites in the Major Lipolytic Protein, Adipose Triglyceride Lipase. <i>Endocrinology</i> , 2012, 153, 4278-4289.	1.4	122
16	AMPK-independent pathways regulate skeletal muscle fatty acid oxidation. <i>Journal of Physiology</i> , 2008, 586, 5819-5831.	1.3	121
17	Syndet, an Adipocyte Target SNARE Involved in the Insulin-induced Translocation of GLUT4 to the Cell Surface. <i>Journal of Biological Chemistry</i> , 1998, 273, 18784-18792.	1.6	100
18	Comparison of MR-less PiB SUVR quantification methods. <i>Neurobiology of Aging</i> , 2015, 36, S159-S166.	1.5	96

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19	An increased neutrophil-lymphocyte ratio in Alzheimer's disease is a function of age and is weakly correlated with neocortical amyloid accumulation. <i>Journal of Neuroimmunology</i> , 2014, 273, 65-71.	1.1	87
20	Interaction of the Akt Substrate, AS160, with the Glucose Transporter 4 Vesicle Marker Protein, Insulin-Regulated Amino-peptidase. <i>Molecular Endocrinology</i> , 2006, 20, 2576-2583.	3.7	80
21	AMP-activated protein kinase – the fat controller of the energy railroad This paper is one of a selection of papers published in this Special issue, entitled Second Messengers and Phosphoproteins 12th International Conference.. <i>Canadian Journal of Physiology and Pharmacology</i> , 2006, 84, 655-665.	0.7	66
22	Fifteen Years of the Australian Imaging, Biomarkers and Lifestyle (AIBL) Study: Progress and Observations from 2,359 Older Adults Spanning the Spectrum from Cognitive Normality to Alzheimer's Disease. <i>Journal of Alzheimer's Disease Reports</i> , 2021, 5, 443-468.	1.2	59
23	Influence of <i>BDNF</i> Val66Met on the relationship between physical activity and brain volume. <i>Neurology</i> , 2014, 83, 1345-1352.	1.5	58
24	Identification of P-Rex1 as a Novel Rac1-Guanine Nucleotide Exchange Factor (GEF) That Promotes Actin Remodeling and GLUT4 Protein Trafficking in Adipocytes. <i>Journal of Biological Chemistry</i> , 2011, 286, 43229-43240.	1.6	53
25	Vitamin D2-Enriched Button Mushroom (<i>Agaricus bisporus</i>) Improves Memory in Both Wild Type and APP ^{swe} /PS1 ^{dE9} Transgenic Mice. <i>PLoS ONE</i> , 2013, 8, e76362.	1.1	52
26	Mediterranean diet adherence and rate of cerebral A β -amyloid accumulation: Data from the Australian Imaging, Biomarkers and Lifestyle Study of Ageing. <i>Translational Psychiatry</i> , 2018, 8, 238.	2.4	49
27	Functional studies in 3T3L1 cells support a role for SNARE proteins in insulin stimulation of GLUT4 translocation. <i>Biochemical Journal</i> , 1997, 324, 217-224.	1.7	48
28	Insulin-responsive tissues contain the core complex protein SNAP-25 (synaptosomal-associated protein) Tj ETQq0 0 0 rgBT /Overlock 10317, 945-954.	1.7	47
29	Alzheimer's Disease Normative Cerebrospinal Fluid Biomarkers Validated in A PET Amyloid- β 2 Characterized Subjects from the Australian Imaging, Biomarkers and Lifestyle (AIBL) study. <i>Journal of Alzheimer's Disease</i> , 2015, 48, 175-187.	1.2	47
30	Subjective Memory Complaints in APOE ϵ 4 Carriers are Associated with High Amyloid- β 2 Burden. <i>Journal of Alzheimer's Disease</i> , 2016, 49, 1115-1122.	1.2	45
31	Associations of Dietary Protein and Fiber Intake with Brain and Blood Amyloid- β 2. <i>Journal of Alzheimer's Disease</i> , 2018, 61, 1589-1598.	1.2	44
32	MR-Less Surface-Based Amyloid Assessment Based on 11C PiB PET. <i>PLoS ONE</i> , 2014, 9, e84777.	1.1	43
33	Plasma Amyloid- β 2 Levels are Significantly Associated with a Transition Toward Alzheimer's Disease as Measured by Cognitive Decline and Change in Neocortical Amyloid Burden. <i>Journal of Alzheimer's Disease</i> , 2014, 40, 95-104.	1.2	41
34	Innate phagocytosis by peripheral blood monocytes is altered in Alzheimer's disease. <i>Acta Neuropathologica</i> , 2016, 132, 377-389.	3.9	40
35	Rates of diagnostic transition and cognitive change at 18-month follow-up among 1,112 participants in the Australian Imaging, Biomarkers and Lifestyle Flagship Study of Ageing (AIBL). <i>International Psychogeriatrics</i> , 2014, 26, 543-554.	0.6	37
36	Differential Regulation of Adiponectin Receptor Gene Expression by Adiponectin and Leptin in Myotubes Derived from Obese and Diabetic Individuals. <i>Obesity</i> , 2006, 14, 1898-1904.	1.5	35

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37	A Pathway Proteomic Profile of Ischemic Stroke Survivors Reveals Innate Immune Dysfunction in Association with Mild Symptoms of Depression – A Pilot Study. <i>Frontiers in Neurology</i> , 2016, 7, 85.	1.1	34
38	Novel isoform of syntaxin 1 is expressed in mammalian cells. <i>Biochemical Journal</i> , 1997, 321, 151-156.	1.7	30
39	Insulin stimulates movement of sorting nexin 9 between cellular compartments: a putative role mediating cell surface receptor expression and insulin action. <i>Biochemical Journal</i> , 2003, 376, 123-134.	1.7	30
40	SNARES for GLUT4 - mechanisms directing vesicular trafficking of GLUT4. <i>Frontiers in Bioscience - Landmark</i> , 2003, 8, d620-641.	3.0	30
41	AMP-activated Protein Kinase Subunit Interactions. <i>Journal of Biological Chemistry</i> , 2008, 283, 4799-4807.	1.6	29
42	Phosphatidylinositol-3 kinase and phospholipase C enhance CSF-1-dependent macrophage survival by controlling glucose uptake. <i>Cellular Signalling</i> , 2009, 21, 1361-1369.	1.7	29
43	Novel Statistically-Derived Composite Measures for Assessing the Efficacy of Disease-Modifying Therapies in Prodromal Alzheimer’s Disease Trials: An AIBL Study. <i>Journal of Alzheimer's Disease</i> , 2015, 46, 1079-1089.	1.2	28
44	Predicting Alzheimer disease from a blood-based biomarker profile. <i>Neurology</i> , 2016, 87, 1093-1101.	1.5	26
45	Pupil Response Biomarkers for Early Detection and Monitoring of Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2013, 10, 931-939.	0.7	26
46	STroke imAging pRevention and Treatment (START): A Longitudinal Stroke Cohort Study: Clinical Trials Protocol. <i>International Journal of Stroke</i> , 2015, 10, 636-644.	2.9	24
47	Associations of neighborhood environment with brain imaging outcomes in the Australian Imaging, Biomarkers and Lifestyle cohort. <i>Alzheimer's and Dementia</i> , 2017, 13, 388-398.	0.4	23
48	Follow-up plasma apolipoprotein E levels in the Australian Imaging, Biomarkers and Lifestyle Flagship Study of Ageing (AIBL) cohort. <i>Alzheimer's Research and Therapy</i> , 2015, 7, 16.	3.0	22
49	The Minimal Amino Acid Sequence of the Insulin-potentiating Fragments of Human Growth Hormone: Its Mechanism of Action. <i>Diabetes</i> , 1980, 29, 782-787.	0.3	21
50	Identification of elongation factor 1 β as a potential associated binding partner for Akt2. <i>Molecular and Cellular Biochemistry</i> , 2006, 286, 17-22.	1.4	21
51	Concordance Between Cerebrospinal Fluid Biomarkers with Alzheimer’s Disease Pathology Between Three Independent Assay Platforms. <i>Journal of Alzheimer's Disease</i> , 2017, 61, 169-183.	1.2	21
52	Stimulation of Pyruvate Dehydrogenase Activity in Intact Rat Adipocytes by Insulin Mediator from Rat Skeletal Muscle*. <i>Endocrinology</i> , 1985, 116, 1011-1016.	1.4	20
53	Research and standardization in Alzheimer's trials: Reaching international consensus. , 2013, 9, 160-168.		20
54	A multinational study distinguishing Alzheimer's and healthy patients using cerebrospinal fluid tau/A β 242 cutoff with concordance to amyloid positron emission tomography imaging. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2017, 6, 201-209.	1.2	19

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55	Cellular munc18c levels can modulate glucose transport rate and GLUT4 translocation in 3T3L1 cells. <i>FEBS Letters</i> , 2002, 528, 154-160.	1.3	18
56	Enabling a multidisciplinary approach to the study of ageing and Alzheimer's disease: An update from the Australian Imaging Biomarkers and Lifestyle (AIBL) study. <i>International Review of Psychiatry</i> , 2013, 25, 699-710.	1.4	15
57	A Purine Analog Kinase Inhibitor, Calcium/Calmodulin-Dependent Protein Kinase II Inhibitor 59, Reveals a Role for Calcium/Calmodulin-Dependent Protein Kinase II in Insulin-Stimulated Glucose Transport. <i>Endocrinology</i> , 2007, 148, 374-385.	1.4	14
58	Alzheimer's disease cerebrospinal fluid biomarkers are not influenced by gravity drip or aspiration extraction methodology. <i>Alzheimer's Research and Therapy</i> , 2015, 7, 71.	3.0	14
59	Bayesian Graphical Network Analyses Reveal Complex Biological Interactions Specific to Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2015, 44, 917-925.	1.2	13
60	Parallel insulin-like actions of human growth hormone and its part sequence hGH 7-13. <i>European Journal of Endocrinology</i> , 1983, 102, 492-498.	1.9	10
61	Definition of a minimal munc18c domain that interacts with syntaxin 4. <i>Biochemical Journal</i> , 2000, 350, 741-746.	1.7	10
62	Personal Memory Function in Mild Cognitive Impairment and Subjective Memory Complaints: Results from the Australian Imaging, Biomarkers, and Lifestyle (AIBL) Study of Ageing. <i>Journal of Alzheimer's Disease</i> , 2014, 40, 551-561.	1.2	10
63	Isoproterenol inhibits cyclic AMP-mediated but not insulin-mediated translocation of the GLUT4 glucose transporter isoform. <i>Molecular and Cellular Biochemistry</i> , 1994, 141, 27-33.	1.4	9
64	Autobiographical narratives relate to Alzheimer's disease biomarkers in older adults. <i>International Psychogeriatrics</i> , 2014, 26, 1737-1746.	0.6	9
65	Buccal Cell Cytokeratin 14 Correlates with Multiple Blood Biomarkers of Alzheimer's Disease Risk. <i>Journal of Alzheimer's Disease</i> , 2015, 48, 443-452.	1.2	7
66	Ocular biomarkers for neurodegenerative and systemic disease. <i>Medical Journal of Australia</i> , 2014, 201, 128-128.	0.8	4
67	Chronic Inflammation and Innate Immunity in Alzheimer's Disease—Role of Diet. , 2015, , 223-233.		4
68	Definition of a minimal munc18c domain that interacts with syntaxin 4. <i>Biochemical Journal</i> , 2000, 350, 741.	1.7	3
69	Insulin stimulates turnover of phosphatidylcholine in rat adipocytes. <i>Molecular and Cellular Biochemistry</i> , 1994, 136, 23-28.	1.4	2