

# Brett Garner

## List of Publications by Year in descending order

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88  
papers

5,049  
citations

66343

42  
h-index

95266

68  
g-index

89  
all docs

89  
docs citations

89  
times ranked

7151  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidation of High Density Lipoproteins. Journal of Biological Chemistry, 1998, 273, 6088-6095.	3.4	296
2	Characterization of the Kynurenine Pathway in Human Neurons. Journal of Neuroscience, 2007, 27, 12884-12892.	3.6	265
3	Role of ATP-binding cassette transporters in brain lipid transport and neurological disease. Journal of Neurochemistry, 2008, 104, 1145-1166.	3.9	201
4	Oxidation of High Density Lipoproteins. Journal of Biological Chemistry, 1998, 273, 6080-6087.	3.4	168
5	Role of ABCG1 and ABCA1 in Regulation of Neuronal Cholesterol Efflux to Apolipoprotein E Discs and Suppression of Amyloid- $\beta$ Peptide Generation. Journal of Biological Chemistry, 2007, 282, 2851-2861.	3.4	168
6	Deletion of <i>Abca7</i> Increases Cerebral Amyloid- $\beta$ Accumulation in the J20 Mouse Model of Alzheimer's Disease. Journal of Neuroscience, 2013, 33, 4387-4394.	3.6	165
7	Apolipoproteins in the brain: implications for neurological and psychiatric disorders. Clinical Lipidology, 2010, 5, 555-573.	0.4	157
8	Lipid Pathway Alterations in Parkinson's Disease Primary Visual Cortex. PLoS ONE, 2011, 6, e17299.	2.5	142
9	Long-Term Cannabidiol Treatment Prevents the Development of Social Recognition Memory Deficits in Alzheimer's Disease Transgenic Mice. Journal of Alzheimer's Disease, 2014, 42, 1383-1396.	2.6	130
10	ATP-binding cassette transporter A7 regulates processing of amyloid precursor protein <i>in vitro</i> . Journal of Neurochemistry, 2008, 106, 793-804.	3.9	124
11	Quantitation of ATP-binding cassette subfamily-A transporter gene expression in primary human brain cells. NeuroReport, 2006, 17, 891-896.	1.2	123
12	Lysosomal-associated membrane protein 2 isoforms are differentially affected in early Parkinson's disease. Movement Disorders, 2015, 30, 1639-1647.	3.9	123
13	The Kynurenine Pathway and Inflammation in Amyotrophic Lateral Sclerosis. Neurotoxicity Research, 2010, 18, 132-142.	2.7	116
14	Chronic cannabidiol treatment improves social and object recognition in double transgenic APP <sup>swe</sup> /PS1 <sup>E9</sup> mice. Psychopharmacology, 2014, 231, 3009-3017.	3.1	115
15	Altered ceramide acyl chain length and ceramide synthase gene expression in Parkinson's disease. Movement Disorders, 2014, 29, 518-526.	3.9	112
16	Human Lens Coloration and Aging. Journal of Biological Chemistry, 1999, 274, 32547-32550.	3.4	111
17	Attenuation of the Lysosomal Death Pathway by Lysosomal Cholesterol Accumulation. American Journal of Pathology, 2011, 178, 629-639.	3.8	92
18	Structural Elucidation of the N- and O-Glycans of Human Apolipoprotein(a). Journal of Biological Chemistry, 2001, 276, 22200-22208.	3.4	79

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19	An Improved High-Throughput Lipid Extraction Method for the Analysis of Human Brain Lipids. <i>Lipids</i> , 2013, 48, 307-318.	1.7	76
20	Characterisation of the major autoxidation products of 3-hydroxykynurenine under physiological conditions. <i>Free Radical Research</i> , 2000, 32, 11-23.	3.3	75
21	Glycosphingolipid Accumulation Inhibits Cholesterol Efflux via the ABCA1/Apolipoprotein A-I Pathway. <i>Journal of Biological Chemistry</i> , 2005, 280, 24515-24523.	3.4	71
22	Endogenous ferritin protects cells with iron-laden lysosomes against oxidative stress. <i>Free Radical Research</i> , 1998, 29, 103-114.	3.3	70
23	Identification of Glutathionyl-3-hydroxykynurenine Glucoside as a Novel Fluorophore Associated with Aging of the Human Lens. <i>Journal of Biological Chemistry</i> , 1999, 274, 20847-20854.	3.4	68
24	Loss of ceramide synthase 2 activity, necessary for myelin biosynthesis, precedes tau pathology in the cortical pathogenesis of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2016, 43, 89-100.	3.1	68
25	Inhibition of atherosclerosis by the serine palmitoyl transferase inhibitor myriocin is associated with reduced plasma glycosphingolipid concentration. <i>Biochemical Pharmacology</i> , 2007, 73, 1340-1346.	4.4	66
26	Sensitivity to Lysosome-Dependent Cell Death Is Directly Regulated by Lysosomal Cholesterol Content. <i>PLoS ONE</i> , 2012, 7, e50262.	2.5	66
27	Selective reduction of hydroperoxyeicosatetraenoic acids to their hydroxy derivatives by apolipoprotein D: implications for lipid antioxidant activity and Alzheimer's disease. <i>Biochemical Journal</i> , 2012, 442, 713-721.	3.7	62
28	Dolichol is the major lipid component of human substantia nigra neuromelanin. <i>Journal of Neurochemistry</i> , 2005, 92, 990-995.	3.9	61
29	Formation of Hydroxyl Radicals in the Human Lens is Related to the Severity of Nuclear Cataract. <i>Experimental Eye Research</i> , 2000, 70, 81-88.	2.6	59
30	Evidence for altered cholesterol metabolism in Huntington's disease post mortem brain tissue. <i>Neuropathology and Applied Neurobiology</i> , 2016, 42, 535-546.	3.2	58
31	Impact of 27-Hydroxycholesterol on Amyloid- $\beta$ Peptide Production and ATP-Binding Cassette Transporter Expression in Primary Human Neurons. <i>Journal of Alzheimer's Disease</i> , 2009, 16, 121-131.	2.6	55
32	Novel behavioural characteristics of the APPSwe/PS1 <sup>E9</sup> transgenic mouse model of Alzheimer's disease. <i>Behavioural Brain Research</i> , 2013, 245, 120-127.	2.2	53
33	Myriocin slows the progression of established atherosclerotic lesions in apolipoprotein E gene knockout mice. <i>Journal of Lipid Research</i> , 2008, 49, 324-331.	4.2	51
34	Understanding the Role of ApoE Fragments in Alzheimer's Disease. <i>Neurochemical Research</i> , 2019, 44, 1297-1305.	3.3	51
35	Increased glycosphingolipid levels in serum and aortae of apolipoprotein E gene knockout mice. <i>Journal of Lipid Research</i> , 2002, 43, 205-14.	4.2	50
36	Isoform-specific proteolysis of apolipoprotein-E in the brain. <i>Neurobiology of Aging</i> , 2011, 32, 257-271.	3.1	49

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37	Novel behavioural characteristics of female APPSwe/PS1 <sup>E9</sup> double transgenic mice. Behavioural Brain Research, 2014, 260, 111-118.	2.2	49
38	Alanine metabolism, transport, and cycling in the brain. Journal of Neurochemistry, 2007, 102, 1758-1770.	3.9	48
39	Modulation of brain metabolism by very low concentrations of the commonly used drug delivery vehicle dimethyl sulfoxide (DMSO). Journal of Neuroscience Research, 2008, 86, 208-214.	2.9	47
40	Direct Copper Reduction by Macrophages. Journal of Biological Chemistry, 1997, 272, 6927-6935.	3.4	45
41	Mass and relative elution time profiling: two-dimensional analysis of sphingolipids in Alzheimer's disease brains. Biochemical Journal, 2011, 438, 165-175.	3.7	45
42	On the Cytoprotective Role of Ferritin in Macrophages and its Ability to Enhance Lysosomal Stability. Free Radical Research, 1997, 27, 487-500.	3.3	44
43	Regulation of serum-induced lipid accumulation in human monocyte-derived macrophages by interferon- $\gamma$ . Correlations with apolipoprotein E production, lipoprotein lipase activity and LDL receptor-related protein expression. Atherosclerosis, 1997, 128, 47-58.	0.8	43
44	Apolipoprotein D modulates amyloid pathology in APP/PS1 Alzheimer's disease mice. Neurobiology of Aging, 2015, 36, 1820-1833.	3.1	41
45	Cognitive phenotyping of amyloid precursor protein transgenic J20 mice. Behavioural Brain Research, 2012, 228, 392-397.	2.2	40
46	Increased ATP-Binding Cassette Transporter A1 Expression in Alzheimer's Disease Hippocampal Neurons. Journal of Alzheimer's Disease, 2010, 21, 193-205.	2.6	39
47	Role of Abca7 in Mouse Behaviours Relevant to Neurodegenerative Diseases. PLoS ONE, 2012, 7, e45959.	2.5	39
48	Induction of fibroblast apolipoprotein E expression during apoptosis, starvation-induced growth arrest and mitosis. Biochemical Journal, 2004, 378, 753-761.	3.7	38
49	Apoptosis induces neuronal apolipoprotein-E synthesis and localization in apoptotic bodies. Neuroscience Letters, 2007, 416, 206-210.	2.1	38
50	Understanding the function of ABCA7 in Alzheimer's disease. Biochemical Society Transactions, 2015, 43, 920-923.	3.4	38
51	Distribution of Ferritin and Redox-active Transition Metals in Normal and Cataractous Human Lenses. Experimental Eye Research, 2000, 71, 599-607.	2.6	37
52	The therapeutic potential of the phytocannabinoid cannabidiol for Alzheimer's disease. Behavioural Pharmacology, 2017, 28, 142-160.	1.7	37
53	Apolipoprotein E expression is increased during development and maturation of the human prefrontal cortex. Journal of Neurochemistry, 2009, 109, 1053-1066.	3.9	36
54	Chronic Treatment with 50 mg/kg Cannabidiol Improves Cognition and Moderately Reduces A $\beta$ 240 Levels in 12-Month-Old Male APPSwe/PS1 <sup>E9</sup> Transgenic Mice. Journal of Alzheimer's Disease, 2020, 74, 937-950.	2.6	34

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55	HPLC analysis of discrete haptoglobin isoform N-linked oligosaccharides following 2D-PAGE isolation. <i>Biochemical and Biophysical Research Communications</i> , 2006, 343, 496-503.	2.1	33
56	Modulation of THP-1 Macrophage and Cholesterol-Loaded Foam Cell Apolipoprotein E Levels by Glycosphingolipids. <i>Biochemical and Biophysical Research Communications</i> , 2002, 290, 1361-1367.	2.1	30
57	Regulation of $\alpha$ -synuclein expression by liver X receptor ligands in vitro. <i>NeuroReport</i> , 2008, 19, 1685-1689.	1.2	28
58	Srp20 regulates TrkB pre-mRNA splicing to generate TrkB $\Delta$ Shc transcripts with implications for Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2012, 123, 159-171.	3.9	28
59	Reduction of plasma glycosphingolipid levels has no impact on atherosclerosis in apolipoprotein E-null mice. <i>Journal of Lipid Research</i> , 2008, 49, 1677-1681.	4.2	26
60	Molecular Dynamics Analysis of Apolipoprotein-D - Lipid Hydroperoxide Interactions: Mechanism for Selective Oxidation of Met-93. <i>PLoS ONE</i> , 2012, 7, e34057.	2.5	24
61	Is Seladin-1 Really a Selective Alzheimer's Disease Indicator?. <i>Journal of Alzheimer's Disease</i> , 2012, 30, 35-39.	2.6	22
62	Increased Apolipoprotein D Dimer Formation in Alzheimer's Disease Hippocampus is Associated with Lipid Conjugated Diene Levels. <i>Journal of Alzheimer's Disease</i> , 2013, 35, 475-486.	2.6	22
63	Therapeutic Effects of Anthocyanins and Environmental Enrichment in R6/1 Huntington's Disease Mice. <i>Journal of Huntington's Disease</i> , 2016, 5, 285-296.	1.9	22
64	Sphingosine Kinase 2 Potentiates Amyloid Deposition but Protects against Hippocampal Volume Loss and Demyelination in a Mouse Model of Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2019, 39, 9645-9659.	3.6	22
65	Evidence that truncated TrkB isoform, TrkB-Shc can regulate phosphorylated TrkB protein levels. <i>Biochemical and Biophysical Research Communications</i> , 2012, 420, 331-335.	2.1	19
66	Brain Cholesterol Synthesis and Metabolism is Progressively Disturbed in the R6/1 Mouse Model of Huntington's Disease: A Targeted GC-MS/MS Sterol Analysis. <i>Journal of Huntington's Disease</i> , 2015, 4, 305-318.	1.9	19
67	The serine protease HtrA1 contributes to the formation of an extracellular 25-kDa apolipoprotein E fragment that stimulates neurogenesis. <i>Journal of Biological Chemistry</i> , 2018, 293, 4071-4084.	3.4	19
68	Cerebral Apolipoprotein-D Is Hypoglycosylated Compared to Peripheral Tissues and Is Variably Expressed in Mouse and Human Brain Regions. <i>PLoS ONE</i> , 2016, 11, e0148238.	2.5	17
69	Fatty Acid Composition of the Anterior Cingulate Cortex Indicates a High Susceptibility to Lipid Peroxidation in Parkinson's Disease. <i>Journal of Parkinson's Disease</i> , 2015, 5, 175-185.	2.8	16
70	Modulation of amyloid precursor protein processing by synthetic ceramide analogues. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2010, 1801, 887-895.	2.4	15
71	Beneficial effects of increased lysozyme levels in Alzheimer's disease modelled in <i>Drosophila melanogaster</i> . <i>FEBS Journal</i> , 2016, 283, 3508-3522.	4.7	15
72	Heterogeneous expression of apolipoprotein-E by human macrophages. <i>Immunology</i> , 2004, 113, 338-347.	4.4	13

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73	Chronic cannabidiol (CBD) treatment did not exhibit beneficial effects in 4-month-old male TAU58/2 transgenic mice. <i>Pharmacology Biochemistry and Behavior</i> , 2020, 196, 172970.	2.9	13
74	Age-related lysosomal dysfunction: an unrecognized roadblock for cobalamin trafficking?. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 3963-3969.	5.4	12
75	Effect of Fluvoxamine on Amyloid- $\beta^2$ Peptide Generation and Memory. <i>Journal of Alzheimer's Disease</i> , 2018, 62, 1777-1787.	2.6	12
76	Identification of a novel tetrameric structure for human apolipoprotein-D. <i>Journal of Structural Biology</i> , 2018, 203, 205-218.	2.8	12
77	Wild Type and Tangier Disease ABCA1 Mutants Modulate Cellular Amyloid- $\beta^2$ Production Independent of Cholesterol Efflux Activity. <i>Journal of Alzheimer's Disease</i> , 2011, 27, 441-452.	2.6	11
78	Analysis of subcellular [57Co] cobalamin distribution in SH-SY5Y neurons and brain tissue. <i>Journal of Neuroscience Methods</i> , 2013, 217, 67-74.	2.5	11
79	Impaired Lysosomal Cobalamin Transport in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2014, 43, 1017-1030.	2.6	11
80	Fine Tuning Therapeutic Targeting of the Sphingolipid Biosynthetic Pathway to Treat Atherosclerosis. <i>Current Vascular Pharmacology</i> , 2006, 4, 151-154.	1.7	8
81	Dissociation of ERK signalling inhibition from the anti-amyloidogenic action of synthetic ceramide analogues. <i>Clinical Science</i> , 2012, 122, 409-420.	4.3	6
82	Wnt is here! Could Wnt signalling be promoted to protect against Alzheimer disease?. <i>Journal of Neurochemistry</i> , 2018, 144, 356-359.	3.9	6
83	Cell Type-Specific Modulation of Cobalamin Uptake by Bovine Serum. <i>PLoS ONE</i> , 2016, 11, e0167044.	2.5	6
84	Perturbation of neuronal cobalamin transport by lysosomal enzyme inhibition. <i>Bioscience Reports</i> , 2014, 34, .	2.4	5
85	Generation of <i>APOE</i> knock-down SK-N-SH human neuroblastoma cells using CRISPR/Cas9: a novel cellular model relevant to Alzheimer's disease research. <i>Bioscience Reports</i> , 2021, 41, .	2.4	4
86	Vascular Pharmacotherapy and Dementia. <i>Current Vascular Pharmacology</i> , 2010, 8, 44-50.	1.7	3
87	<i>Abca7</i> deletion does not affect adult neurogenesis in the mouse. <i>Bioscience Reports</i> , 2016, 36, .	2.4	3
88	Small angle X-ray scattering analysis of ligand-bound forms of tetrameric apolipoprotein-D. <i>Bioscience Reports</i> , 2021, 41, .	2.4	2