

Marcus Grimm

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

3,811
citations

101543

36
h-index

128289

60
g-index

75
all docs

75
docs citations

75
times ranked

5076
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of cholesterol and sphingomyelin metabolism by amyloid- β^2 and presenilin. Nature Cell Biology, 2005, 7, 1118-1123.	10.3	404
2	Altered Gut Microbiome Composition and Tryptic Activity of the 5xFAD Alzheimer's Mouse Model. Journal of Alzheimer's Disease, 2017, 56, 775-788.	2.6	230
3	Docosahexaenoic Acid Reduces Amyloid β^2 Production via Multiple Pleiotropic Mechanisms. Journal of Biological Chemistry, 2011, 286, 14028-14039.	3.4	201
4	Alzheimer's disease: the lipid connection. Journal of Neurochemistry, 2007, 103, 159-170.	3.9	178
5	24-month intervention with a specific multinutrient in people with prodromal Alzheimer's disease (LipiDiDiet): a randomised, double-blind, controlled trial. Lancet Neurology, The, 2017, 16, 965-975.	10.2	175
6	Neprilysin and β^2 Clearance: Impact of the APP Intracellular Domain in NEP Regulation and Implications in Alzheimer's Disease. Frontiers in Aging Neuroscience, 2013, 5, 98.	3.4	129
7	Plant Sterols the Better Cholesterol in Alzheimer's Disease? A Mechanistical Study. Journal of Neuroscience, 2013, 33, 16072-16087.	3.6	111
8	Independent Inhibition of Alzheimer Disease β^2 - and β^3 -Secretase Cleavage by Lowered Cholesterol Levels. Journal of Biological Chemistry, 2008, 283, 11302-11311.	3.4	110
9	From brain to food: Analysis of phosphatidylcholins, lyso-phosphatidylcholins and phosphatidylcholin-plasmalogens derivatives in Alzheimer's disease human post mortem brains and mice model via mass spectrometry. Journal of Chromatography A, 2011, 1218, 7713-7722.	3.7	100
10	Mean age of onset in familial Alzheimer's disease is determined by amyloid beta 42. Neurobiology of Aging, 2005, 26, 785-788.	3.1	99
11	Dietary intake of plant sterols stably increases plant sterol levels in the murine brain. Journal of Lipid Research, 2012, 53, 726-735.	4.2	95
12	Plasmalogen synthesis is regulated via alkyl-dihydroxyacetonephosphate-synthase by amyloid precursor protein processing and is affected in Alzheimer's disease. Journal of Neurochemistry, 2011, 116, 916-925.	3.9	93
13	Unfolded protein response signaling by transcription factor XBP1 regulates ADAM10 and is affected in Alzheimer's disease. FASEB Journal, 2014, 28, 978-997.	0.5	86
14	Alzheimer's disease pathology is attenuated in a β^3 -deficient mouse model. Annals of Neurology, 2015, 78, 88-103.	5.3	81
15	APP Function and Lipids: A Bidirectional Link. Frontiers in Molecular Neuroscience, 2017, 10, 63.	2.9	76
16	The Impact of Vitamin E and Other Fat-Soluble Vitamins on Alzheimer's Disease. International Journal of Molecular Sciences, 2016, 17, 1785.	4.1	75
17	Amyloid beta as a regulator of lipid homeostasis. Trends in Molecular Medicine, 2007, 13, 337-344.	6.7	72
18	Trans fatty acids enhance amyloidogenic processing of the Alzheimer amyloid precursor protein (APP). Journal of Nutritional Biochemistry, 2012, 23, 1214-1223.	4.2	69

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19	Vitamin D and Its Analogues Decrease Amyloid- β ($A\beta$) Formation and Increase $A\beta$ -Degradation. International Journal of Molecular Sciences, 2017, 18, 2764.	4.1	68
20	Role of amyloid beta in lipid homeostasis. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2010, 1801, 966-974.	2.4	65
21	Omega-3 fatty acids, lipids, and apoE lipidation in Alzheimer's disease: a rationale for multi-nutrient dementia prevention. Journal of Lipid Research, 2017, 58, 2083-2101.	4.2	65
22	The Impact of Cholesterol, DHA, and Sphingolipids on Alzheimer's Disease. BioMed Research International, 2013, 2013, 1-16.	1.9	64
23	Amyloid Precursor Protein (APP) Mediated Regulation of Ganglioside Homeostasis Linking Alzheimer's Disease Pathology with Ganglioside Metabolism. PLoS ONE, 2012, 7, e34095.	2.5	61
24	Plasmalogens Inhibit APP Processing by Directly Affecting γ -Secretase Activity in Alzheimer's Disease. Scientific World Journal, The, 2012, 2012, 1-15.	2.1	61
25	The role of APP proteolytic processing in lipid metabolism. Experimental Brain Research, 2012, 217, 365-375.	1.5	59
26	APP intracellular domain derived from amyloidogenic β - and γ -secretase cleavage regulates neprilysin expression. Frontiers in Aging Neuroscience, 2015, 7, 77.	3.4	53
27	Deficiency of Sphingosine-1-phosphate Lyase Impairs Lysosomal Metabolism of the Amyloid Precursor Protein. Journal of Biological Chemistry, 2014, 289, 16761-16772.	3.4	50
28	Myeloid differentiation factor 88-deficient bone marrow cells improve Alzheimer's disease-related symptoms and pathology. Brain, 2011, 134, 278-292.	7.6	49
29	Impact of Vitamin D on Amyloid Precursor Protein Processing and Amyloid- β Peptide Degradation in Alzheimer's Disease. Neurodegenerative Diseases, 2014, 13, 75-81.	1.4	49
30	Special lipid-based diets alleviate cognitive deficits in the APP ^{swe} /PS1 ^{dE9} transgenic mouse model of Alzheimer's disease independent of brain amyloid deposition. Journal of Nutritional Biochemistry, 2014, 25, 157-169.	4.2	49
31	Eicosapentaenoic acid and docosahexaenoic acid increase the degradation of amyloid- β by affecting insulin-degrading enzyme. Biochemistry and Cell Biology, 2016, 94, 534-542.	2.0	47
32	Oxidized Docosahexaenoic Acid Species and Lipid Peroxidation Products Increase Amyloidogenic Amyloid Precursor Protein Processing. Neurodegenerative Diseases, 2016, 16, 44-54.	1.4	47
33	The Transmembrane Domain of the Amyloid Precursor Protein in Microsomal Membranes Is on Both Sides Shorter than Predicted. Journal of Biological Chemistry, 2003, 278, 6803-6808.	3.4	45
34	Upregulation of PGC- α expression by Alzheimer's disease-associated pathway: presenilin 1/amyloid precursor protein (APP)/intracellular domain of APP. Aging Cell, 2014, 13, 263-272.	6.7	45
35	Intracellular APP Domain Regulates Serine-Palmitoyl-CoA Transferase Expression and Is Affected in Alzheimer's Disease. International Journal of Alzheimer's Disease, 2011, 2011, 1-8.	2.0	43
36	Altered membrane fluidity and lipid raft composition in presenilin-deficient cells. Acta Neurologica Scandinavica, 2006, 114, 27-32.	2.1	39

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37	Amyloid beta-protein and lipid metabolism. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 1991-2001.	2.6	38
38	Tocotrienol Affects Oxidative Stress, Cholesterol Homeostasis and the Amyloidogenic Pathway in Neuroblastoma Cells: Consequences for Alzheimer's Disease. International Journal of Molecular Sciences, 2016, 17, 1809.	4.1	35
39	Effect of Different Phospholipids on β -Secretase Activity in the Non-Amyloidogenic Pathway of Alzheimer's Disease. International Journal of Molecular Sciences, 2013, 14, 5879-5898.	4.1	34
40	A short isoform of STIM1 confers frequency-dependent synaptic enhancement. Cell Reports, 2021, 34, 108844.	6.4	34
41	Vitamin E: Curse or benefit in Alzheimer's disease? A systematic investigation of the impact of α -, β - and γ -tocopherol on $A\beta$ generation and degradation in neuroblastoma cells. Journal of Nutrition, Health and Aging, 2015, 19, 646-654.	3.3	29
42	PS Dependent APP Cleavage Regulates Glucosylceramide Synthase and is Affected in Alzheimer's Disease. Cellular Physiology and Biochemistry, 2014, 34, 92-110.	1.6	28
43	Mechanistic Link between Vitamin B12 and Alzheimer's Disease. Biomolecules, 2022, 12, 129.	4.0	26
44	Optimized Maximum Intensity Projection (MIP). Eurographics, 1995, , 51-63.	0.4	25
45	Methylxanthines and Neurodegenerative Diseases: An Update. Nutrients, 2021, 13, 803.	4.1	24
46	Effect of Caffeine and Other Methylxanthines on $A\beta$ -Homeostasis in SH-SY5Y Cells. Biomolecules, 2019, 9, 689.	4.0	20
47	Rescue of Hypovitaminosis A Induces Non-Amyloidogenic Amyloid Precursor Protein (APP) Processing. Current Alzheimer Research, 2016, 13, 1277-1289.	1.4	20
48	Sphingomyelin Synthase 1 Is Essential for Male Fertility in Mice. PLoS ONE, 2016, 11, e0164298.	2.5	19
49	Potential external source of $A\beta$ in biological samples. Nature Cell Biology, 2002, 4, E164-E165.	10.3	17
50	Profiling of Alzheimer's disease related genes in mild to moderate vitamin D hypovitaminosis. Journal of Nutritional Biochemistry, 2019, 67, 123-137.	4.2	17
51	Medium-Chain Length Fatty Acids Enhance $A\beta$ Degradation by Affecting Insulin-Degrading Enzyme. Cells, 2021, 10, 2941.	4.1	14
52	Unique Role of Caffeine Compared to Other Methylxanthines (Theobromine, Theophylline,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td Type Cells. International Journal of Molecular Sciences, 2020, 21, 9015.	4.1	13
53	Shotgun lipidomics of liver and brain tissue of Alzheimer's disease model mice treated with acitretin. Scientific Reports, 2021, 11, 15301.	3.3	12
54	Paradoxical effects of mutant ubiquitin on $A\beta$ plaque formation in an Alzheimer mouse model. Neurobiology of Aging, 2018, 72, 62-71.	3.1	9

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55	Targeted Lipidomics of Mitochondria in a Cellular Alzheimer's Disease Model. Biomedicines, 2021, 9, 1062.	3.2	9
56	Transcriptional repression of the ectodomain sheddase ADAM10 by TBX2 and potential implication for Alzheimer's disease. Cellular and Molecular Life Sciences, 2019, 76, 1005-1025.	5.4	8
57	Regulatory feedback cycle of the insulin-degrading enzyme and the amyloid precursor protein intracellular domain: Implications for Alzheimer's disease. Aging Cell, 2020, 19, e13264.	6.7	7
58	The impact of capsaicinoids on APP processing in Alzheimer's disease in SH-SY5Y cells. Scientific Reports, 2020, 10, 9164.	3.3	7
59	Elevated Testosterone Level and Urine Scent Marking in Male 5xFAD Alzheimer Model Mice. Current Alzheimer Research, 2020, 17, 80-92.	1.4	5
60	Recent Understanding of the Molecular Mechanisms of Alzheimer's Disease. Journal of Addiction Research & Therapy, 0, s5, .	0.2	4
61	Transnasal delivery of human A-beta peptides elicits impaired learning and memory performance in wild type mice. BMC Neuroscience, 2016, 17, 44.	1.9	3
62	Methylxanthines Induce a Change in the AD/Neurodegeneration-Linked Lipid Profile in Neuroblastoma Cells. International Journal of Molecular Sciences, 2022, 23, 2295.	4.1	3
63	The Effects of Glycerophospholipids and Fatty Acids on APP Processing. , 2016, , 377-421.		2
64	Impact of Vitamin D3 Deficiency on Phosphatidylcholine-/Ethanolamine, Plasmalogen-, Lyso-Phosphatidylcholine-/Ethanolamine, Carnitine- and Triacyl Glyceride-Homeostasis in Neuroblastoma Cells and Murine Brain. Biomolecules, 2021, 11, 1699.	4.0	2
65	PEX19 Coordinates Neutral Lipid Storage in Cells in a Peroxisome-Independent Fashion. Frontiers in Cell and Developmental Biology, 2022, 10, 859052.	3.7	2
66	Alzheimer's disease prevention – The emerging role of lipids and diet. Oleagineux Corps Gras Lipides, 2007, 14, 182-185.	0.2	1
67	Alzheimers Disease Affects the Enteric Nervous System. Gastroenterology, 2011, 140, S-54.	1.3	0
68	Linking Alzheimer's Disease, B-Amyloid, and Lipids. , 2004, , .		0
69	Closed Loop: A Classification Framework for Interventional Procedures. IFMBE Proceedings, 2009, , 704-707.	0.3	0
70	Alzheimer's disease amyloid precursor protein and amyloid beta peptides are key regulators of brain lipid composition. Frontiers in Neuroscience, 0, 4, .	2.8	0
71	Cholesterol and A β Production: Methods for Analysis of Altered Cholesterol De Novo Synthesis. , 2008, , 221-230.		0