

Marcus Grimm

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

3,811
citations

101384

36
h-index

128067

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. <i>Nature Cell Biology</i> , 2005, 7, 1118-1123.	4.6	404
2	Altered Gut Microbiome Composition and Tryptic Activity of the 5xFAD Alzheimer's Mouse Model. <i>Journal of Alzheimer's Disease</i> , 2017, 56, 775-788.	1.2	230
3	Docosahexaenoic Acid Reduces Amyloid β^2 Production via Multiple Pleiotropic Mechanisms. <i>Journal of Biological Chemistry</i> , 2011, 286, 14028-14039.	1.6	201
4	Alzheimer's disease: the lipid connection. <i>Journal of Neurochemistry</i> , 2007, 103, 159-170.	2.1	178
5	24-month intervention with a specific multinutrient in people with prodromal Alzheimer's disease (LipiDiDiet): a randomised, double-blind, controlled trial. <i>Lancet Neurology</i> , 2017, 16, 965-975.	4.9	175
6	Neprilysin and β^2 Clearance: Impact of the APP Intracellular Domain in NEP Regulation and Implications in Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2013, 5, 98.	1.7	129
7	Plant Sterols the Better Cholesterol in Alzheimer's Disease? A Mechanistical Study. <i>Journal of Neuroscience</i> , 2013, 33, 16072-16087.	1.7	111
8	Independent Inhibition of Alzheimer Disease β^2 - and β^3 -Secretase Cleavage by Lowered Cholesterol Levels. <i>Journal of Biological Chemistry</i> , 2008, 283, 11302-11311.	1.6	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. <i>Journal of Chromatography A</i> , 2011, 1218, 7713-7722.	1.8	100
10	Mean age of onset in familial Alzheimer's disease is determined by amyloid beta 42. <i>Neurobiology of Aging</i> , 2005, 26, 785-788.	1.5	99
11	Dietary intake of plant sterols stably increases plant sterol levels in the murine brain. <i>Journal of Lipid Research</i> , 2012, 53, 726-735.	2.0	95
12	Plasmalogen synthesis is regulated via alkyl-dihydroxyacetonephosphate synthase by amyloid precursor protein processing and is affected in Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2011, 116, 916-925.	2.1	93
13	Unfolded protein response signaling by transcription factor XBP1 regulates ADAM10 and is affected in Alzheimer's disease. <i>FASEB Journal</i> , 2014, 28, 978-997.	0.2	86
14	Alzheimer's disease pathology is attenuated in a β^3 -deficient mouse model. <i>Annals of Neurology</i> , 2015, 78, 88-103.	2.8	81
15	APP Function and Lipids: A Bidirectional Link. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 63.	1.4	76
16	The Impact of Vitamin E and Other Fat-Soluble Vitamins on Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1785.	1.8	75
17	Amyloid beta as a regulator of lipid homeostasis. <i>Trends in Molecular Medicine</i> , 2007, 13, 337-344.	3.5	72
18	Trans fatty acids enhance amyloidogenic processing of the Alzheimer amyloid precursor protein (APP). <i>Journal of Nutritional Biochemistry</i> , 2012, 23, 1214-1223.	1.9	69

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19	Vitamin D and Its Analogues Decrease Amyloid- β ($A\beta$) Formation and Increase $A\beta$ -Degradation. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2764.	1.8	68
20	Role of amyloid beta in lipid homeostasis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2010, 1801, 966-974.	1.2	65
21	Omega-3 fatty acids, lipids, and apoE lipidation in Alzheimer's disease: a rationale for multi-nutrient dementia prevention. <i>Journal of Lipid Research</i> , 2017, 58, 2083-2101.	2.0	65
22	The Impact of Cholesterol, DHA, and Sphingolipids on Alzheimer's Disease. <i>BioMed Research International</i> , 2013, 2013, 1-16.	0.9	64
23	Amyloid Precursor Protein (APP) Mediated Regulation of Ganglioside Homeostasis Linking Alzheimer's Disease Pathology with Ganglioside Metabolism. <i>PLoS ONE</i> , 2012, 7, e34095.	1.1	61
24	Plasmalogens Inhibit APP Processing by Directly Affecting γ -Secretase Activity in Alzheimer's Disease. <i>Scientific World Journal</i> , The, 2012, 2012, 1-15.	0.8	61
25	The role of APP proteolytic processing in lipid metabolism. <i>Experimental Brain Research</i> , 2012, 217, 365-375.	0.7	59
26	APP intracellular domain derived from amyloidogenic β - and γ -secretase cleavage regulates neprilysin expression. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 77.	1.7	53
27	Deficiency of Sphingosine-1-phosphate Lyase Impairs Lysosomal Metabolism of the Amyloid Precursor Protein. <i>Journal of Biological Chemistry</i> , 2014, 289, 16761-16772.	1.6	50
28	Myeloid differentiation factor 88-deficient bone marrow cells improve Alzheimer's disease-related symptoms and pathology. <i>Brain</i> , 2011, 134, 278-292.	3.7	49
29	Impact of Vitamin D on Amyloid Precursor Protein Processing and Amyloid- β Peptide Degradation in Alzheimer's Disease. <i>Neurodegenerative Diseases</i> , 2014, 13, 75-81.	0.8	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. <i>Journal of Nutritional Biochemistry</i> , 2014, 25, 157-169.	1.9	49
31	Eicosapentaenoic acid and docosahexaenoic acid increase the degradation of amyloid- β by affecting insulin-degrading enzyme. <i>Biochemistry and Cell Biology</i> , 2016, 94, 534-542.	0.9	47
32	Oxidized Docosahexaenoic Acid Species and Lipid Peroxidation Products Increase Amyloidogenic Amyloid Precursor Protein Processing. <i>Neurodegenerative Diseases</i> , 2016, 16, 44-54.	0.8	47
33	The Transmembrane Domain of the Amyloid Precursor Protein in Microsomal Membranes Is on Both Sides Shorter than Predicted. <i>Journal of Biological Chemistry</i> , 2003, 278, 6803-6808.	1.6	45
34	Upregulation of PGC-1 α expression by Alzheimer's disease-associated pathway: presenilin 1/amyloid precursor protein (APP)/intracellular domain of APP. <i>Aging Cell</i> , 2014, 13, 263-272.	3.0	45
35	Intracellular APP Domain Regulates Serine-Palmitoyl-CoA Transferase Expression and Is Affected in Alzheimer's Disease. <i>International Journal of Alzheimer's Disease</i> , 2011, 2011, 1-8.	1.1	43
36	Altered membrane fluidity and lipid raft composition in presenilin-deficient cells. <i>Acta Neurologica Scandinavica</i> , 2006, 114, 27-32.	1.0	39

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37	Amyloid beta-protein and lipid metabolism. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 1991-2001.	1.4	38
38	Tocotrienol Affects Oxidative Stress, Cholesterol Homeostasis and the Amyloidogenic Pathway in Neuroblastoma Cells: Consequences for Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1809.	1.8	35
39	Effect of Different Phospholipids on β -Secretase Activity in the Non-Amyloidogenic Pathway of Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2013, 14, 5879-5898.	1.8	34
40	A short isoform of STIM1 confers frequency-dependent synaptic enhancement. <i>Cell Reports</i> , 2021, 34, 108844.	2.9	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. <i>Journal of Nutrition, Health and Aging</i> , 2015, 19, 646-654.	1.5	29
42	PS Dependent APP Cleavage Regulates Glucosylceramide Synthase and is Affected in Alzheimer's Disease. <i>Cellular Physiology and Biochemistry</i> , 2014, 34, 92-110.	1.1	28
43	Mechanistic Link between Vitamin B12 and Alzheimer's Disease. <i>Biomolecules</i> , 2022, 12, 129.	1.8	26
44	Optimized Maximum Intensity Projection (MIP). <i>Eurographics</i> , 1995, , 51-63.	0.4	25
45	Methylxanthines and Neurodegenerative Diseases: An Update. <i>Nutrients</i> , 2021, 13, 803.	1.7	24
46	Effect of Caffeine and Other Methylxanthines on $A\beta$ -Homeostasis in SH-SY5Y Cells. <i>Biomolecules</i> , 2019, 9, 689.	1.8	20
47	Rescue of Hypovitaminosis A Induces Non-Amyloidogenic Amyloid Precursor Protein (APP) Processing. <i>Current Alzheimer Research</i> , 2016, 13, 1277-1289.	0.7	20
48	Sphingomyelin Synthase 1 Is Essential for Male Fertility in Mice. <i>PLoS ONE</i> , 2016, 11, e0164298.	1.1	19
49	Potential external source of $A\beta$ in biological samples. <i>Nature Cell Biology</i> , 2002, 4, E164-E165.	4.6	17
50	Profiling of Alzheimer's disease related genes in mild to moderate vitamin D hypovitaminosis. <i>Journal of Nutritional Biochemistry</i> , 2019, 67, 123-137.	1.9	17
51	Medium-Chain Length Fatty Acids Enhance $A\beta$ Degradation by Affecting Insulin-Degrading Enzyme. <i>Cells</i> , 2021, 10, 2941.	1.8	14
52	Unique Role of Caffeine Compared to Other Methylxanthines (Theobromine, Theophylline,) in Neuroblastoma Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9015.	1.8	13
53	Shotgun lipidomics of liver and brain tissue of Alzheimer's disease model mice treated with acitretin. <i>Scientific Reports</i> , 2021, 11, 15301.	1.6	12
54	Paradoxical effects of mutant ubiquitin on $A\beta$ plaque formation in an Alzheimer mouse model. <i>Neurobiology of Aging</i> , 2018, 72, 62-71.	1.5	9

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55	Targeted Lipidomics of Mitochondria in a Cellular Alzheimer's Disease Model. <i>Biomedicines</i> , 2021, 9, 1062.	1.4	9
56	Transcriptional repression of the ectodomain sheddase ADAM10 by TBX2 and potential implication for Alzheimer's disease. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 1005-1025.	2.4	8
57	Regulatory feedback cycle of the insulin-degrading enzyme and the amyloid precursor protein intracellular domain: Implications for Alzheimer's disease. <i>Aging Cell</i> , 2020, 19, e13264.	3.0	7
58	The impact of capsaicinoids on APP processing in Alzheimer's disease in SH-SY5Y cells. <i>Scientific Reports</i> , 2020, 10, 9164.	1.6	7
59	Elevated Testosterone Level and Urine Scent Marking in Male 5xFAD Alzheimer Model Mice. <i>Current Alzheimer Research</i> , 2020, 17, 80-92.	0.7	5
60	Recent Understanding of the Molecular Mechanisms of Alzheimer's Disease. <i>Journal of Addiction Research & Therapy</i> , 0, s5, .	0.2	4
61	Transnasal delivery of human A-beta peptides elicits impaired learning and memory performance in wild type mice. <i>BMC Neuroscience</i> , 2016, 17, 44.	0.8	3
62	Methylxanthines Induce a Change in the AD/Neurodegeneration-Linked Lipid Profile in Neuroblastoma Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2295.	1.8	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. <i>Biomolecules</i> , 2021, 11, 1699.	1.8	2
65	PEX19 Coordinates Neutral Lipid Storage in Cells in a Peroxisome-Independent Fashion. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 859052.	1.8	2
66	Alzheimer's disease prevention – The emerging role of lipids and diet. <i>Oleagineux Corps Gras Lipides</i> , 2007, 14, 182-185.	0.2	1
67	Alzheimer's Disease Affects the Enteric Nervous System. <i>Gastroenterology</i> , 2011, 140, S-54.	0.6	0
68	Linking Alzheimer's Disease, B-Amyloid, and Lipids. , 2004, , .		0
69	Closed Loop: A Classification Framework for Interventional Procedures. <i>IFMBE Proceedings</i> , 2009, , 704-707.	0.2	0
70	Alzheimer's disease amyloid precursor protein and amyloid beta peptides are key regulators of brain lipid composition. <i>Frontiers in Neuroscience</i> , 0, 4, .	1.4	0
71	Cholesterol and A β Production: Methods for Analysis of Altered Cholesterol De Novo Synthesis. , 2008, , 221-230.		0