Marcus Grimm

List of Publications by Year
in descending order

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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	Mechanistic Link between Vitamin B12 and Alzheimerâ€™s Disease. Biomolecules, 2022, 12, 129.	4.0	26
2	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
3	PEX19 Coordinates Neutral Lipid Storage in Cells in a Peroxisome-Independent Fashion. Frontiers in Cell and Developmental Biology, 2022, 10, 859052.	3.7	2
4	Methylxanthines and Neurodegenerative Diseases: An Update. Nutrients, 2021, 13, 803.	4.1	24
5	A short isoform of STIM1 confers frequency-dependent synaptic enhancement. Cell Reports, 2021, 34, 108844.	6.4	34
6	Shotgun lipidomics of liver and brain tissue of Alzheimerâ€™s disease model mice treated with acitretin. Scientific Reports, 2021, 11, 15301.	3.3	12
7	Targeted Lipidomics of Mitochondria in a Cellular Alzheimerâ€™s Disease Model. Biomedicines, 2021, 9, 1062.	3.2	9
8	Medium-Chain Length Fatty Acids Enhance AÎ² Degradation by Affecting Insulin-Degrading Enzyme. Cells, 2021, 10, 2941.	4.1	14
9	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
10	Regulatory feedback cycle of the insulinâ€degrading enzyme and the amyloid precursor protein intracellular domain: Implications for Alzheimerâ€™s disease. Aging Cell, 2020, 19, e13264.	6.7	7
11	Unique Role of Caffeine Compared to Other Methylxanthines (Theobromine, Theophylline,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T Type Cells. International Journal of Molecular Sciences, 2020, 21, 9015.	4.1	13
12	The impact of capsaicinoids on APP processing in Alzheimerâ€™s disease in SH-SY5Y cells. Scientific Reports, 2020, 10, 9164.	3.3	7
13	Elevated Testosterone Level and Urine Scent Marking in Male 5xFAD Alzheimer Model Mice. Current Alzheimer Research, 2020, 17, 80-92.	1.4	5
14	Effect of Caffeine and Other Methylxanthines on AÎ²-Homeostasis in SH-SY5Y Cells. Biomolecules, 2019, 9, 689.	4.0	20
15	Profiling of Alzheimerâ€™s disease related genes in mild to moderate vitamin D hypovitaminosis. Journal of Nutritional Biochemistry, 2019, 67, 123-137.	4.2	17
16	Transcriptional repression of the ectodomain sheddase ADAM10 by TBX2 and potential implication for Alzheimerâ€™s disease. Cellular and Molecular Life Sciences, 2019, 76, 1005-1025.	5.4	8
17	Paradoxical effects of mutant ubiquitin on AÎ² plaque formation in an Alzheimer mouse model. Neurobiology of Aging, 2018, 72, 62-71.	3.1	9
18	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

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19	Altered Gut Microbiome Composition and Tryptic Activity of the 5xFAD Alzheimerâ€™s Mouse Model. Journal of Alzheimer's Disease, 2017, 56, 775-788.	2.6	230
20	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
21	Vitamin D and Its Analogues Decrease Amyloid-Î² (AÎ²) Formation and Increase AÎ²-Degradation. International Journal of Molecular Sciences, 2017, 18, 2764.	4.1	68
22	APP Function and Lipids: A Bidirectional Link. Frontiers in Molecular Neuroscience, 2017, 10, 63.	2.9	76
23	Tocotrienol Affects Oxidative Stress, Cholesterol Homeostasis and the Amyloidogenic Pathway in Neuroblastoma Cells: Consequences for Alzheimerâ€™s Disease. International Journal of Molecular Sciences, 2016, 17, 1809.	4.1	35
24	The Impact of Vitamin E and Other Fat-Soluble Vitamins on AlzheimerÂ´s Disease. International Journal of Molecular Sciences, 2016, 17, 1785.	4.1	75
25	The Effects of Glycerophospholipids and Fatty Acids on APP Processing. , 2016, , 377-421.		2
26	Eicosapentaenoic acid and docosahexaenoic acid increase the degradation of amyloid-Î² by affecting insulin-degrading enzyme. Biochemistry and Cell Biology, 2016, 94, 534-542.	2.0	47
27	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
28	Oxidized Docosahexaenoic Acid Species and Lipid Peroxidation Products Increase Amyloidogenic Amyloid Precursor Protein Processing. Neurodegenerative Diseases, 2016, 16, 44-54.	1.4	47
29	Sphingomyelin Synthase 1 Is Essential for Male Fertility in Mice. PLoS ONE, 2016, 11, e0164298.	2.5	19
30	Rescue of Hypovitaminosis A Induces Non-Amyloidogenic Amyloid Precursor Protein (APP) Processing. Current Alzheimer Research, 2016, 13, 1277-1289.	1.4	20
31	APP intracellular domain derived from amyloidogenic ÃŽÂ²- and ÃŽÂ³-secretase cleavage regulates neprilysin expression. Frontiers in Aging Neuroscience, 2015, 7, 77.	3.4	53
32	Alzheimer's disease pathology is attenuated in a <scp>CD</scp>38â€deficient mouse model. Annals of Neurology, 2015, 78, 88-103.	5.3	81
33	Vitamin E: Curse or benefit in Alzheimer's disease? A systematic investigation of the impact of Î±-, Î³- and Î´-tocopherol on AÎ² generation and degradation in neuroblastoma cells. Journal of Nutrition, Health and Aging, 2015, 19, 646-654.	3.3	29
34	Impact of Vitamin D on Amyloid Precursor Protein Processing and Amyloid-Î² Peptide Degradation in Alzheimer's Disease. Neurodegenerative Diseases, 2014, 13, 75-81.	1.4	49
35	Unfolded protein response signaling by transcription factor XBPâ€1 regulates ADAM10 and is affected in Alzheimer's disease. FASEB Journal, 2014, 28, 978-997.	0.5	86
36	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

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37	Special lipid-based diets alleviate cognitive deficits in the APPswe/PS1dE9 transgenic mouse model of Alzheimer's disease independent of brain amyloid deposition. Journal of Nutritional Biochemistry, 2014, 25, 157-169.	4.2	49
38	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
39	Upregulation of <scp>PGC</scp>â€1Î± expression by <scp>A</scp>lzheimer's diseaseâ€associated pathway: presenilin 1/amyloid precursor protein (<scp>APP</scp>)/intracellular domain of <scp>APP</scp>. Aging Cell, 2014, 13, 263-272.	6.7	45
40	Plant Sterols the Better Cholesterol in Alzheimer's Disease? A Mechanistical Study. Journal of Neuroscience, 2013, 33, 16072-16087.	3.6	111
41	The Impact of Cholesterol, DHA, and Sphingolipids on Alzheimerâ€™s Disease. BioMed Research International, 2013, 2013, 1-16.	1.9	64
42	Effect of Different Phospholipids on Î±-Secretase Activity in the Non-Amyloidogenic Pathway of Alzheimerâ€™s Disease. International Journal of Molecular Sciences, 2013, 14, 5879-5898.	4.1	34
43	Neprilysin and AÎ² Clearance: Impact of the APP Intracellular Domain in NEP Regulation and Implications in Alzheimerâ€™s Disease. Frontiers in Aging Neuroscience, 2013, 5, 98.	3.4	129
44	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
45	Trans fatty acids enhance amyloidogenic processing of the Alzheimer amyloid precursor protein (APP). Journal of Nutritional Biochemistry, 2012, 23, 1214-1223.	4.2	69
46	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
47	Plasmalogens Inhibit APP Processing by Directly AffectingÎ³-Secretase Activity in Alzheimerâ€™s Disease. Scientific World Journal, The, 2012, 2012, 1-15.	2.1	61
48	The role of APP proteolytic processing in lipid metabolism. Experimental Brain Research, 2012, 217, 365-375.	1.5	59
49	Alzheimers Disease Affects the Enteric Nervous System. Gastroenterology, 2011, 140, S-54.	1.3	0
50	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
51	Plasmalogen synthesis is regulated via alkylâ€dihydroxyacetonephosphateâ€synthase by amyloid precursor protein processing and is affected in Alzheimerâ€™s disease. Journal of Neurochemistry, 2011, 116, 916-925.	3.9	93
52	From brain to food: Analysis of phosphatidylcholins, lyso-phosphatidylcholins and phosphatidylcholinâ€“plasmalogens derivates 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
53	Docosahexaenoic Acid Reduces Amyloid Î² Production via Multiple Pleiotropic Mechanisms. Journal of Biological Chemistry, 2011, 286, 14028-14039.	3.4	201
54	Myeloid differentiation factor 88-deficient bone marrow cells improve Alzheimerâ€™s disease-related symptoms and pathology. Brain, 2011, 134, 278-292.	7.6	49

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55	Role of amyloid beta in lipid homeostasis. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2010, 1801, 966-974.	2.4	65
56	Closed Loop: A Classification Framework for Interventional Procedures. IFMBE Proceedings, 2009, , 704-707.	0.3	0
57	Independent Inhibition of Alzheimer Disease Î²- and Î³-Secretase Cleavage by Lowered Cholesterol Levels. Journal of Biological Chemistry, 2008, 283, 11302-11311.	3.4	110
58	Cholesterol and AÎ² Production: Methods for Analysis of Altered Cholesterol De Novo Synthesis. , 2008, , 221-230.		0
59	Amyloid beta-protein and lipid metabolism. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 1991-2001.	2.6	38
60	Amyloid beta as a regulator of lipid homeostasis. Trends in Molecular Medicine, 2007, 13, 337-344.	6.7	72
61	Alzheimerâ€™s disease prevention â€“ The emerging role of lipids and diet. Oleagineux Corps Gras Lipides, 2007, 14, 182-185.	0.2	1
62	Alzheimerâ€™s disease: the lipid connection. Journal of Neurochemistry, 2007, 103, 159-170.	3.9	178
63	Altered membrane fluidity and lipid raft composition in presenilin-deficient cells. Acta Neurologica Scandinavica, 2006, 114, 27-32.	2.1	39
64	Regulation of cholesterol and sphingomyelin metabolism by amyloid-Î² and presenilin. Nature Cell Biology, 2005, 7, 1118-1123.	10.3	404
65	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
66	Linking Alzheimerâ€™s Disease, B-Amyloid, and Lipids. , 2004, , .		0
67	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
68	Potential external source of AÎ² in biological samples. Nature Cell Biology, 2002, 4, E164-E165.	10.3	17
69	Optimized Maximum Intensity Projection (MIP). Eurographics, 1995, , 51-63.	0.4	25
70	Recent Understanding of the Molecular Mechanisms of Alzheimer?s Disease. Journal of Addiction Research & Therapy, 0, s5, .	0.2	4
71	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