

Chuck T Chen

List of Publications by Year in descending order

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29
papers

1,491
citations

361413

20
h-index

477307

29
g-index

29
all docs

29
docs citations

29
times ranked

1834
citing authors

#	ARTICLE	IF	CITATIONS
1	Diffusion of docosahexaenoic and eicosapentaenoic acids through the blood-brain barrier: An in situ cerebral perfusion study. <i>Neurochemistry International</i> , 2009, 55, 476-482.	3.8	180
2	Regulation of brain polyunsaturated fatty acid uptake and turnover. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2008, 79, 85-91.	2.2	135
3	Rapid ω -oxidation of eicosapentaenoic acid in mouse brain: An in situ study. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2009, 80, 157-163.	2.2	132
4	Plasma non-esterified docosahexaenoic acid is the major pool supplying the brain. <i>Scientific Reports</i> , 2015, 5, 15791.	3.3	95
5	The low levels of eicosapentaenoic acid in rat brain phospholipids are maintained via multiple redundant mechanisms. <i>Journal of Lipid Research</i> , 2013, 54, 2410-2422.	4.2	84
6	ω -oxidation and rapid metabolism, but not uptake regulate brain eicosapentaenoic acid levels. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2015, 92, 33-40.	2.2	83
7	The low density lipoprotein receptor is not necessary for maintaining mouse brain polyunsaturated fatty acid concentrations. <i>Journal of Lipid Research</i> , 2008, 49, 147-152.	4.2	78
8	Whole body synthesis rates of DHA from ω -linolenic acid are greater than brain DHA accretion and uptake rates in adult rats. <i>Journal of Lipid Research</i> , 2014, 55, 62-74.	4.2	77
9	Rapid de-esterification and loss of eicosapentaenoic acid from rat brain phospholipids: an intracerebroventricular study. <i>Journal of Neurochemistry</i> , 2011, 116, 363-373.	3.9	75
10	Effect of dietary docosahexaenoic acid (DHA) in phospholipids or triglycerides on brain DHA uptake and accretion. <i>Journal of Nutritional Biochemistry</i> , 2016, 33, 91-102.	4.2	75
11	Dyslipidemia in retinal metabolic disorders. <i>EMBO Molecular Medicine</i> , 2019, 11, e10473.	6.9	51
12	Wnt signaling activates MFSD2A to suppress vascular endothelial transcytosis and maintain blood-retinal barrier. <i>Science Advances</i> , 2020, 6, eaba7457.	10.3	51
13	Genetic Ablation of CD36 Does not Alter Mouse Brain Polyunsaturated Fatty Acid Concentrations. <i>Lipids</i> , 2010, 45, 291-299.	1.7	46
14	Brain eicosapentaenoic acid metabolism as a lead for novel therapeutics in major depression. <i>Brain, Behavior, and Immunity</i> , 2020, 85, 21-28.	4.1	45
15	Chronic dietary n-6 PUFA deprivation leads to conservation of arachidonic acid and more rapid loss of DHA in rat brain phospholipids. <i>Journal of Lipid Research</i> , 2015, 56, 390-402.	4.2	37
16	The effect of linoleic acid on the whole body synthesis rates of polyunsaturated fatty acids from ω -linolenic acid and linoleic acid in free-living rats. <i>Journal of Nutritional Biochemistry</i> , 2016, 30, 167-176.	4.2	37
17	The very low density lipoprotein receptor is not necessary for maintaining brain polyunsaturated fatty acid concentrations. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2010, 82, 141-145.	2.2	34
18	Inhibiting Mitochondrial ω -Oxidation Selectively Reduces Levels of Nonenzymatic Oxidative Polyunsaturated Fatty Acid Metabolites in the Brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 376-379.	4.3	28

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19	Intraperitoneal administration of docosahexaenoic acid for 14days increases serum unesterified DHA and seizure latency in the maximal pentylenetetrazol model. <i>Epilepsy and Behavior</i> , 2014, 33, 138-143.	1.7	23
20	Whole-Body Docosahexaenoic Acid Synthesis-Secretion Rates in Rats Are Constant across a Large Range of Dietary ω -3-Linolenic Acid Intakes. <i>Journal of Nutrition</i> , 2017, 147, 37-44.	2.9	22
21	Dietary intake of unsaturated fatty acids modulates physiological properties of entorhinal cortex neurons in mice. <i>Journal of Neurochemistry</i> , 2012, 122, 427-443.	3.9	21
22	Phospholipid class-specific brain enrichment in response to lysophosphatidylcholine docosahexaenoic acid infusion. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017, 1862, 1092-1098.	2.4	17
23	Coordinated Expression of Phosphoinositide Metabolic Genes during Development and Aging of Human Dorsolateral Prefrontal Cortex. <i>PLoS ONE</i> , 2015, 10, e0132675.	2.5	16
24	Quantitation of Human Whole-Body Synthesis-Secretion Rates of Docosahexaenoic Acid and Eicosapentaenoate Acid from Circulating Unesterified ω -3-Linolenic Acid at Steady State. <i>Lipids</i> , 2018, 53, 547-558.	1.7	12
25	Intravenous infusion of docosahexaenoic acid increases serum concentrations in a dose-dependent manner and increases seizure latency in the maximal PTZ model. <i>Epilepsy and Behavior</i> , 2015, 50, 71-76.	1.7	10
26	Brainstem Concentrations of Cholesterol are not Influenced by Genetic Ablation of the Low-Density Lipoprotein Receptor. <i>Neurochemical Research</i> , 2009, 34, 311-315.	3.3	8
27	Protein arginine methyltransferase 8 modulates mitochondrial bioenergetics and neuroinflammation after hypoxic stress. <i>Journal of Neurochemistry</i> , 2021, 159, 742-761.	3.9	8
28	Brain PUFA Concentrations Are Differentially Affected by Interactions of Diet, Sex, Brain Regions, and Phospholipid Pools in Mice. <i>Journal of Nutrition</i> , 2020, 150, 3123-3132.	2.9	7
29	Loss of RAR-related orphan receptor alpha (ROR α) selectively lowers docosahexaenoic acid in developing cerebellum. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2020, 152, 102036.	2.2	4