Paul L Else

List of Publications by Year
in descending order

63	3,405	186265 28	138484 58
papers	citations	h-index	g-index

63	63	63	3726
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanisms Underlying the Cost of Living in Animals. Annual Review of Physiology, 2000, 62, 207-235.	13.1	354
2	Dietary fats and membrane function: implications for metabolism and disease. Biological Reviews, 2005, 80, 155-169.	10.4	300
3	Membranes as Possible Pacemakers of Metabolism. Journal of Theoretical Biology, 1999, 199, 257-274.	1.7	265
4	Fatty acid composition of membrane bilayers: Importance of diet polyunsaturated fat balance. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 1309-1317.	2.6	194
5	Basal Metabolic Rate: History, Composition, Regulation, and Usefulness. Physiological and Biochemical Zoology, 2004, 77, 869-876.	1.5	184
6	An allometric comparison of the mitochondria of mammalian and reptilian tissues: The implications for the evolution of endothermy. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 1985, 156, 3-11.	1.5	140
7	Membranes and the setting of energy demand. Journal of Experimental Biology, 2005, 208, 1593-1599.	1.7	135
8	Proton conductance and fatty acyl composition of liver mitochondria correlates with body mass in birds. Biochemical Journal, 2003, 376, 741-748.	3.7	134
9	Docosahexaenoic acid (DHA) content of membranes determines molecular activity of the sodium pump: implications for disease states and metabolism. Die Naturwissenschaften, 2003, 90, 521-523.	1.6	127
10	Plasticity of Oxidative Metabolism in Variable Climates: Molecular Mechanisms. Physiological and Biochemical Zoology, 2010, 83, 721-732.	1.5	105
11	Calorie Restriction in Mice: Effects on Body Composition, Daily Activity, Metabolic Rate, Mitochondrial Reactive Oxygen Species Production, and Membrane Fatty Acid Composition. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2006, 61, 781-794.	3.6	95
12	Polyunsaturated fatty acids, membrane function and metabolic diseases such as diabetes and obesity. Current Opinion in Clinical Nutrition and Metabolic Care, 1998, 1, 559-563.	2.5	90
13	How might you compare mitochondria from different tissues and different species?. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2006, 176, 93-105.	1.5	80
14	Molecular activity of Na+/K+-ATPase from different sources is related to the packing of membrane lipids. Journal of Experimental Biology, 2001, 204, 4271-4280.	1.7	74
15	Respiration rate of hepatocytes varies with body mass in birds. Journal of Experimental Biology, 2004, 207, 2305-2311.	1.7	65
16	Proton leak in hepatocytes and liver mitochondria from archosaurs (crocodiles) and allometric relationships for ectotherms. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2002, 172, 387-397.	1.5	63
17	Selective reduction of hydroperoxyeicosatetraenoic acids to their hydroxy derivatives by apolipoprotein D: implications for lipid antioxidant activity and Alzheimer's disease. Biochemical Journal, 2012, 442, 713-721.	3.7	62
18	Electric field strength of membrane lipids from vertebrate species: membrane lipid composition and Na+-K+-ATPase molecular activity. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 288, R663-R670.	1.8	61

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19	Exercise alters the profile of phospholipid molecular species in rat skeletal muscle. Journal of Applied Physiology, 2004, 97, 1823-1829.	2.5	60
20	The Evolution of Endothermy: Role for Membranes and Molecular Activity. Physiological and Biochemical Zoology, 2004, 77, 950-958.	1.5	52
21	Membrane fatty acid composition of rat skeletal muscle is most responsive to the balance of dietary n-3 and n-6 PUFA. British Journal of Nutrition, 2010, 103, 522-529.	2.3	51
22	Human prefrontal cortex phospholipids containing docosahexaenoic acid increase during normal adult aging, whereas those containing arachidonic acid decrease. Neurobiology of Aging, 2015, 36, 1659-1669.	3.1	50
23	The highly unnatural fatty acid profile of cells in culture. Progress in Lipid Research, 2020, 77, 101017.	11.6	46
24	Relationship between body size, Na+-K+-ATPase activity, and membrane lipid composition in mammal and bird kidney. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 288, R301-R310.	1.8	34
25	Greater effect of diet than exercise training on the fatty acid profile of rat skeletal muscle. Journal of Applied Physiology, 2004, 96, 974-980.	2.5	33
26	An allometric comparison of microsomal membrane lipid composition and sodium pump molecular activity in the brain of mammals and birds. Journal of Experimental Biology, 2005, 208, 371-381.	1.7	31
27	Decreases in Phospholipids Containing Adrenic and Arachidonic Acids Occur in the Human Hippocampus over the Adult Lifespan. Lipids, 2015, 50, 861-872.	1.7	30
28	Membranes as metabolic pacemakers. Clinical and Experimental Pharmacology and Physiology, 2003, 30, 559-564.	1.9	29
29	Of mice, pigs and humans: An analysis of mitochondrial phospholipids from mammals with very different maximal lifespans. Experimental Gerontology, 2015, 70, 135-143.	2.8	29
30	Docosahexaenoic and arachidonic acid peroxidation: It's a within molecule cascade. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 417-421.	2.6	29
31	Scaling of Na+,K+â€ATPase Molecular Activity and Membrane Fatty Acid Composition in Mammalian and Avian Hearts. Physiological and Biochemical Zoology, 2006, 79, 522-533.	1.5	28
32	Liraglutide prevents metabolic side-effects and improves recognition and working memory during antipsychotic treatment in rats. Journal of Psychopharmacology, 2018, 32, 578-590.	4.0	28
33	Why are some mitochondria more powerful than others: Insights from comparisons of muscle mitochondria from three terrestrial vertebrates. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2005, 142, 172-180.	1.6	27
34	Differences in membrane acyl phospholipid composition between an endothermic mammal and an ectothermic reptile are not limited to any phospholipid class. Journal of Experimental Biology, 2007, 210, 3440-3450.	1.7	27
35	Dietary Docosahexaenoic Acid (22:6) Incorporates into Cardiolipin at the Expense of Linoleic Acid (18:2): Analysis and Potential Implications. International Journal of Molecular Sciences, 2012, 13, 15447-15463.	4.1	25
36	The phospholipid composition of the human entorhinal cortex remains relatively stable over 80Âyears of adult aging. GeroScience, 2017, 39, 73-82.	4.6	24

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37	Systematic differences in membrane acyl composition associated with varying body mass in mammals occur in all phospholipid classes: an analysis of kidney and brain. Journal of Experimental Biology, 2008, 211, 3195-3204.	1.7	19
38	Sodium pump molecular activity and membrane lipid composition in two disparate ectotherms, and comparison with endotherms. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2005, 175, 77-85.	1.5	18
39	Cardiac Glycosides Ouabain and Digoxin Interfere with the Regulation of Glutamate Transporter GLAST in Astrocytes Cultured from Neonatal Rat Brain. Neurochemical Research, 2010, 35, 2062-2069.	3.3	18
40	Honeybee caste lipidomics in relation to life-history stages and the long life of the queen. Journal of Experimental Biology, 2019, 222, .	1.7	18
41	The Effect of Exercise on the Skeletal Muscle Phospholipidome of Rats Fed a High-Fat Diet. International Journal of Molecular Sciences, 2010, 11, 3954-3964.	4.1	14
42	Do Pregnant Women and Those at Risk of Developing Post-Natal Depression Consume Lower Amounts of Long Chain Omega-3 Polyunsaturated Fatty Acids?. Nutrients, 2010, 2, 198-213.	4.1	13
43	High Variability in Erythrocyte, Plasma and Whole Blood EPA and DHA Levels in Response to Supplementation. Nutrients, 2020, 12, 1017.	4.1	13
44	Phospholipid Peroxidation: Lack of Effect of Fatty Acid Pairing. Lipids, 2012, 47, 451-460.	1.7	12
45	Limits to physical performance and metabolism across species. Current Opinion in Clinical Nutrition and Metabolic Care, 2006, 9, 691-696.	2.5	11
46	Metabolic depression during aestivation does not involve remodelling of membrane fatty acids in two Australian frogs. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2009, 179, 857-866.	1.5	11
47	Molecular Activity of Na⁺,K⁺â€ATPase Relates to the Packing of Membrane Lipids. Annals of the New York Academy of Sciences, 2003, 986, 525-526.	3.8	10
48	Membrane peroxidation in vertebrates: Potential role in metabolism and growth. European Journal of Lipid Science and Technology, 2017, 119, 1600319.	1.5	10
49	Tau Is Truncated in Five Regions of the Normal Adult Human Brain. International Journal of Molecular Sciences, 2021, 22, 3521.	4.1	10
50	Effect of Low Dose Docosahexaenoic Acid-Rich Fish Oil on Plasma Lipids and Lipoproteins in Pre-Menopausal Women: A Doseâ€"Response Randomized Placebo-Controlled Trial. Nutrients, 2018, 10, 1460.	4.1	9
51	Rottlerin Inhibits (Na+, K+)-ATPase Activity in Brain Tissue and Alters d-Aspartate Dependent Redistribution of Glutamate Transporter GLAST in Cultured Astrocytes. Neurochemical Research, 2009, 34, 1767-1774.	3.3	8
52	Activation of sodium transport and intracellular sodium lowering by the neuroleptic drug chlorpromazine. Biochemical Pharmacology, 1997, 54, 275-281.	4.4	7
53	The Ï‰-3 and Ï‰-6 fats in meals: A proposal for a simple new label. Nutrition, 2011, 27, 719-726.	2.4	7
54	An antioxidant-like action for non-peroxidisable phospholipids using ferrous iron as a peroxidation initiator. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 1303-1307.	2.6	5

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55	Effect of liraglutide on neural and peripheral markers of metabolic function during antipsychotic treatment in rats. Journal of Psychopharmacology, 2021, 35, 284-302.	4.0	5
56	Mammals to membranes: A reductionist story. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2021, 253, 110552.	1.6	5
57	Molecular Activity of Sodium Pumps in the Kidney of Mammals and Birds. Annals of the New York Academy of Sciences, 2003, 986, 606-607.	3.8	4
58	Dinosaur lactation?. Journal of Experimental Biology, 2013, 216, 347-351.	1.7	4
59	The thermal dependence of Na+ flux in isolated liver cells from ectotherms and endotherms. Journal of Experimental Biology, 2016, 219, 2098-102.	1.7	4
60	Fingertip Whole Blood as an Indicator of Omega-3 Long-Chain Polyunsaturated Fatty Acid Changes during Dose-Response Supplementation in Women: Comparison with Plasma and Erythrocyte Fatty Acids. Nutrients, 2021, 13, 1419.	4.1	3
61	Postnatal development in the rat: Changes in Na+ flux, sodium pump molecular activity and membrane lipid composition. Mechanisms of Development, 2020, 162, 103610.	1.7	2
62	The adult lifespan of the female honey bee (Apis mellifera): Metabolic rate, AGE pigment and the effect of dietary fatty acids. Mechanisms of Ageing and Development, 2021, 199, 111562.	4.6	2
63	Changes in Phospholipid Composition of the Human Cerebellum and Motor Cortex during Normal Ageing. Nutrients, 2022, 14, 2495.	4.1	2