

Paul L Else

List of Publications by Year in descending order

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63
papers

3,405
citations

185998

28
h-index

138251

58
g-index

63
all docs

63
docs citations

63
times ranked

3726
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms Underlying the Cost of Living in Animals. <i>Annual Review of Physiology</i> , 2000, 62, 207-235.	5.6	354
2	Dietary fats and membrane function: implications for metabolism and disease. <i>Biological Reviews</i> , 2005, 80, 155-169.	4.7	300
3	Membranes as Possible Pacemakers of Metabolism. <i>Journal of Theoretical Biology</i> , 1999, 199, 257-274.	0.8	265
4	Fatty acid composition of membrane bilayers: Importance of diet polyunsaturated fat balance. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 1309-1317.	1.4	194
5	Basal Metabolic Rate: History, Composition, Regulation, and Usefulness. <i>Physiological and Biochemical Zoology</i> , 2004, 77, 869-876.	0.6	184
6	An allometric comparison of the mitochondria of mammalian and reptilian tissues: The implications for the evolution of endothermy. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1985, 156, 3-11.	0.7	140
7	Membranes and the setting of energy demand. <i>Journal of Experimental Biology</i> , 2005, 208, 1593-1599.	0.8	135
8	Proton conductance and fatty acyl composition of liver mitochondria correlates with body mass in birds. <i>Biochemical Journal</i> , 2003, 376, 741-748.	1.7	134
9	Docosahexaenoic acid (DHA) content of membranes determines molecular activity of the sodium pump: implications for disease states and metabolism. <i>Die Naturwissenschaften</i> , 2003, 90, 521-523.	0.6	127
10	Plasticity of Oxidative Metabolism in Variable Climates: Molecular Mechanisms. <i>Physiological and Biochemical Zoology</i> , 2010, 83, 721-732.	0.6	105
11	Calorie Restriction in Mice: Effects on Body Composition, Daily Activity, Metabolic Rate, Mitochondrial Reactive Oxygen Species Production, and Membrane Fatty Acid Composition. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2006, 61, 781-794.	1.7	95
12	Polyunsaturated fatty acids, membrane function and metabolic diseases such as diabetes and obesity. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 1998, 1, 559-563.	1.3	90
13	How might you compare mitochondria from different tissues and different species?. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2006, 176, 93-105.	0.7	80
14	Molecular activity of Na ⁺ /K ⁺ -ATPase from different sources is related to the packing of membrane lipids. <i>Journal of Experimental Biology</i> , 2001, 204, 4271-4280.	0.8	74
15	Respiration rate of hepatocytes varies with body mass in birds. <i>Journal of Experimental Biology</i> , 2004, 207, 2305-2311.	0.8	65
16	Proton leak in hepatocytes and liver mitochondria from archosaurs (crocodiles) and allometric relationships for ectotherms. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2002, 172, 387-397.	0.7	63
17	Selective reduction of hydroperoxyeicosatetraenoic acids to their hydroxy derivatives by apolipoprotein D: implications for lipid antioxidant activity and Alzheimer's disease. <i>Biochemical Journal</i> , 2012, 442, 713-721.	1.7	62
18	Electric field strength of membrane lipids from vertebrate species: membrane lipid composition and Na ⁺ -K ⁺ -ATPase molecular activity. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 288, R663-R670.	0.9	61

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19	Exercise alters the profile of phospholipid molecular species in rat skeletal muscle. <i>Journal of Applied Physiology</i> , 2004, 97, 1823-1829.	1.2	60
20	The Evolution of Endothermy: Role for Membranes and Molecular Activity. <i>Physiological and Biochemical Zoology</i> , 2004, 77, 950-958.	0.6	52
21	Membrane fatty acid composition of rat skeletal muscle is most responsive to the balance of dietary n-3 and n-6 PUFA. <i>British Journal of Nutrition</i> , 2010, 103, 522-529.	1.2	51
22	Human prefrontal cortex phospholipids containing docosahexaenoic acid increase during normal adult aging, whereas those containing arachidonic acid decrease. <i>Neurobiology of Aging</i> , 2015, 36, 1659-1669.	1.5	50
23	The highly unnatural fatty acid profile of cells in culture. <i>Progress in Lipid Research</i> , 2020, 77, 101017.	5.3	46
24	Relationship between body size, Na ⁺ -K ⁺ -ATPase activity, and membrane lipid composition in mammal and bird kidney. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 288, R301-R310.	0.9	34
25	Greater effect of diet than exercise training on the fatty acid profile of rat skeletal muscle. <i>Journal of Applied Physiology</i> , 2004, 96, 974-980.	1.2	33
26	An allometric comparison of microsomal membrane lipid composition and sodium pump molecular activity in the brain of mammals and birds. <i>Journal of Experimental Biology</i> , 2005, 208, 371-381.	0.8	31
27	Decreases in Phospholipids Containing Adrenic and Arachidonic Acids Occur in the Human Hippocampus over the Adult Lifespan. <i>Lipids</i> , 2015, 50, 861-872.	0.7	30
28	Membranes as metabolic pacemakers. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2003, 30, 559-564.	0.9	29
29	Of mice, pigs and humans: An analysis of mitochondrial phospholipids from mammals with very different maximal lifespans. <i>Experimental Gerontology</i> , 2015, 70, 135-143.	1.2	29
30	Docosahexaenoic and arachidonic acid peroxidation: It's a within molecule cascade. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 417-421.	1.4	29
31	Scaling of Na ⁺ ,K ⁺ -ATPase Molecular Activity and Membrane Fatty Acid Composition in Mammalian and Avian Hearts. <i>Physiological and Biochemical Zoology</i> , 2006, 79, 522-533.	0.6	28
32	Liraglutide prevents metabolic side-effects and improves recognition and working memory during antipsychotic treatment in rats. <i>Journal of Psychopharmacology</i> , 2018, 32, 578-590.	2.0	28
33	Why are some mitochondria more powerful than others: Insights from comparisons of muscle mitochondria from three terrestrial vertebrates. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2005, 142, 172-180.	0.7	27
34	Differences in membrane acyl phospholipid composition between an endothermic mammal and an ectothermic reptile are not limited to any phospholipid class. <i>Journal of Experimental Biology</i> , 2007, 210, 3440-3450.	0.8	27
35	Dietary Docosahexaenoic Acid (22:6) Incorporates into Cardiolipin at the Expense of Linoleic Acid (18:2): Analysis and Potential Implications. <i>International Journal of Molecular Sciences</i> , 2012, 13, 15447-15463.	1.8	25
36	The phospholipid composition of the human entorhinal cortex remains relatively stable over 80 years of adult aging. <i>GeroScience</i> , 2017, 39, 73-82.	2.1	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. <i>Journal of Experimental Biology</i> , 2008, 211, 3195-3204.	0.8	19
38	Sodium pump molecular activity and membrane lipid composition in two disparate ectotherms, and comparison with endotherms. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2005, 175, 77-85.	0.7	18
39	Cardiac Glycosides Ouabain and Digoxin Interfere with the Regulation of Glutamate Transporter GLAST in Astrocytes Cultured from Neonatal Rat Brain. <i>Neurochemical Research</i> , 2010, 35, 2062-2069.	1.6	18
40	Honeybee caste lipidomics in relation to life-history stages and the long life of the queen. <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	18
41	The Effect of Exercise on the Skeletal Muscle Phospholipidome of Rats Fed a High-Fat Diet. <i>International Journal of Molecular Sciences</i> , 2010, 11, 3954-3964.	1.8	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?. <i>Nutrients</i> , 2010, 2, 198-213.	1.7	13
43	High Variability in Erythrocyte, Plasma and Whole Blood EPA and DHA Levels in Response to Supplementation. <i>Nutrients</i> , 2020, 12, 1017.	1.7	13
44	Phospholipid Peroxidation: Lack of Effect of Fatty Acid Pairing. <i>Lipids</i> , 2012, 47, 451-460.	0.7	12
45	Limits to physical performance and metabolism across species. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2006, 9, 691-696.	1.3	11
46	Metabolic depression during aestivation does not involve remodelling of membrane fatty acids in two Australian frogs. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2009, 179, 857-866.	0.7	11
47	Molecular Activity of Na ⁺ ,K ⁺ -ATPase Relates to the Packing of Membrane Lipids. <i>Annals of the New York Academy of Sciences</i> , 2003, 986, 525-526.	1.8	10
48	Membrane peroxidation in vertebrates: Potential role in metabolism and growth. <i>European Journal of Lipid Science and Technology</i> , 2017, 119, 1600319.	1.0	10
49	Tau Is Truncated in Five Regions of the Normal Adult Human Brain. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3521.	1.8	10
50	Effect of Low Dose Docosahexaenoic Acid-Rich Fish Oil on Plasma Lipids and Lipoproteins in Pre-Menopausal Women: A Dose-Response Randomized Placebo-Controlled Trial. <i>Nutrients</i> , 2018, 10, 1460.	1.7	9
51	Rottlerin Inhibits (Na ⁺ , K ⁺)-ATPase Activity in Brain Tissue and Alters d-Aspartate Dependent Redistribution of Glutamate Transporter GLAST in Cultured Astrocytes. <i>Neurochemical Research</i> , 2009, 34, 1767-1774.	1.6	8
52	Activation of sodium transport and intracellular sodium lowering by the neuroleptic drug chlorpromazine. <i>Biochemical Pharmacology</i> , 1997, 54, 275-281.	2.0	7
53	The ω -3 and ω -6 fats in meals: A proposal for a simple new label. <i>Nutrition</i> , 2011, 27, 719-726.	1.1	7
54	An antioxidant-like action for non-peroxidisable phospholipids using ferrous iron as a peroxidation initiator. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 1303-1307.	1.4	5

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55	Effect of liraglutide on neural and peripheral markers of metabolic function during antipsychotic treatment in rats. <i>Journal of Psychopharmacology</i> , 2021, 35, 284-302.	2.0	5
56	Mammals to membranes: A reductionist story. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2021, 253, 110552.	0.7	5
57	Molecular Activity of Sodium Pumps in the Kidney of Mammals and Birds. <i>Annals of the New York Academy of Sciences</i> , 2003, 986, 606-607.	1.8	4
58	Dinosaur lactation?. <i>Journal of Experimental Biology</i> , 2013, 216, 347-351.	0.8	4
59	The thermal dependence of Na ⁺ flux in isolated liver cells from ectotherms and endotherms. <i>Journal of Experimental Biology</i> , 2016, 219, 2098-102.	0.8	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. <i>Nutrients</i> , 2021, 13, 1419.	1.7	3
61	Postnatal development in the rat: Changes in Na ⁺ flux, sodium pump molecular activity and membrane lipid composition. <i>Mechanisms of Development</i> , 2020, 162, 103610.	1.7	2
62	The adult lifespan of the female honey bee (<i>Apis mellifera</i>): Metabolic rate, AGE pigment and the effect of dietary fatty acids. <i>Mechanisms of Ageing and Development</i> , 2021, 199, 111562.	2.2	2
63	Changes in Phospholipid Composition of the Human Cerebellum and Motor Cortex during Normal Ageing. <i>Nutrients</i> , 2022, 14, 2495.	1.7	2