

Adam L Lock

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

2,560
citations

393982

19
h-index

288905

40
g-index

45
all docs

45
docs citations

45
times ranked

2577
citing authors

#	ARTICLE	IF	CITATIONS
1	Modifying milk fat composition of dairy cows to enhance fatty acids beneficial to human health. <i>Lipids</i> , 2004, 39, 1197-1206.	0.7	487
2	Nutrigenomics, Rumen-Derived Bioactive Fatty Acids, and the Regulation of Milk Fat Synthesis. <i>Annual Review of Nutrition</i> , 2011, 31, 299-319.	4.3	233
3	Biosynthesis of Conjugated Linoleic Acid in Ruminants and Humans. <i>Advances in Food and Nutrition Research</i> , 2005, 50, 179-217.	1.5	230
4	Do trans fatty acids from industrially produced sources and from natural sources have the same effect on cardiovascular disease risk factors in healthy subjects? Results of the trans Fatty Acids Collaboration (TRANSFACT) study. <i>American Journal of Clinical Nutrition</i> , 2008, 87, 558-566.	2.2	217
5	Effects of Ruminant trans Fatty Acids on Cardiovascular Disease and Cancer: A Comprehensive Review of Epidemiological, Clinical, and Mechanistic Studies. <i>Advances in Nutrition</i> , 2011, 2, 332-354.	2.9	216
6	A reappraisal of the impact of dairy foods and milk fat on cardiovascular disease risk. <i>European Journal of Nutrition</i> , 2009, 48, 191-203.	1.8	213
7	The Anticarcinogenic Effect of trans-11 18:1 Is Dependent on Its Conversion to cis-9, trans-11 CLA by Δ^9 -Desaturase in Rats. <i>Journal of Nutrition</i> , 2004, 134, 2698-2704.	1.3	114
8	Trans-10 Octadecenoic Acid Does Not Reduce Milk Fat Synthesis in Dairy Cows ,2. <i>Journal of Nutrition</i> , 2007, 137, 71-76.	1.3	107
9	Butter Naturally Enriched in Conjugated Linoleic Acid and Vaccenic Acid Alters Tissue Fatty Acids and Improves the Plasma Lipoprotein Profile in Cholesterol-Fed Hamsters. <i>Journal of Nutrition</i> , 2005, 135, 1934-1939.	1.3	104
10	Individual Trans Octadecenoic Acids and Partially Hydrogenated Vegetable Oil Differentially Affect Hepatic Lipid and Lipoprotein Metabolism in Golden Syrian Hamsters. <i>Journal of Nutrition</i> , 2009, 139, 257-263.	1.3	63
11	Silica-Triggered Autoimmunity in Lupus-Prone Mice Blocked by Docosahexaenoic Acid Consumption. <i>PLoS ONE</i> , 2016, 11, e0160622.	1.1	55
12	Effects of supplementation with docosahexaenoic acid on reproduction of dairy cows. <i>Reproduction</i> , 2017, 153, 707-723.	1.1	49
13	The contribution of hormone sensitive lipase to adipose tissue lipolysis and its regulation by insulin in periparturient dairy cows. <i>Scientific Reports</i> , 2018, 8, 13378.	1.6	41
14	Adipose tissue remodeling in late-lactation dairy cows during feed-restriction-induced negative energy balance. <i>Journal of Dairy Science</i> , 2016, 99, 10009-10021.	1.4	33
15	Optimising Milk Composition. <i>BSAP Occasional Publication</i> , 2004, 29, 107-188.	0.0	30
16	Periparturient lipolysis and oxylipid biosynthesis in bovine adipose tissues. <i>PLoS ONE</i> , 2017, 12, e0188621.	1.1	29
17	Effects of commercially available palmitic and stearic acid supplements on nutrient digestibility and production responses of lactating dairy cows. <i>Journal of Dairy Science</i> , 2020, 103, 5131-5142.	1.4	26
18	Diet-induced metabolic change induces estrogen-independent allometric mammary growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 16294-16299.	3.3	24

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19	Lipid-Encapsulated Echium Oil (<i>Echium plantagineum</i>) Increases the Content of Stearidonic Acid in Plasma Lipid Fractions and Milk Fat of Dairy Cows. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 4827-4835.	2.4	24
20	Inhibition of stearoyl CoA desaturase activity induces hypercholesterolemia in the cholesterol-fed hamster. <i>Journal of Lipid Research</i> , 2008, 49, 1456-1465.	2.0	19
21	Lipopolysaccharide induces lipolysis and insulin resistance in adipose tissue from dairy cows. <i>Journal of Dairy Science</i> , 2022, 105, 842-855.	1.4	19
22	Lipolysis modulates the biosynthesis of inflammatory lipid mediators derived from linoleic acid in adipose tissue of periparturient dairy cows. <i>Journal of Dairy Science</i> , 2020, 103, 1944-1955.	1.4	18
23	Short communication: Effects of body fat mobilization on macrophage infiltration in adipose tissue of early lactation dairy cows. <i>Journal of Dairy Science</i> , 2018, 101, 7608-7613.	1.4	17
24	Impact of uterine macrophage phenotype on placental retention in dairy cows. <i>Theriogenology</i> , 2019, 127, 145-152.	0.9	16
25	Omega-3 Polyunsaturated Fatty Acid Intervention Against Established Autoimmunity in a Murine Model of Toxicant-Triggered Lupus. <i>Frontiers in Immunology</i> , 2021, 12, 653464.	2.2	16
26	Milk production responses to altering the dietary ratio of palmitic and oleic acids varies with production level in dairy cows. <i>Journal of Dairy Science</i> , 2020, 103, 11472-11482.	1.4	15
27	Transcriptomic profiling of adipose tissue inflammation, remodeling, and lipid metabolism in periparturient dairy cows (<i>Bos taurus</i>). <i>BMC Genomics</i> , 2020, 21, 824.	1.2	15
28	Requisite Omega-3 HUFA Biomarker Thresholds for Preventing Murine Lupus Flaring. <i>Frontiers in Immunology</i> , 2020, 11, 1796.	2.2	15
29	Ruminant-Produced trans-Fatty Acids Raise Plasma Total and Small HDL Particle Concentrations in Male Hartley Guinea Pigs. <i>Journal of Nutrition</i> , 2010, 140, 2173-2179.	1.3	13
30	Replacing stearic acid with oleic acid in supplemental fat blends improves fatty acid digestibility of lactating dairy cows. <i>Journal of Dairy Science</i> , 2021, 104, 9956-9966.	1.4	13
31	Human breast milk enrichment in conjugated linoleic acid after consumption of a conjugated linoleic acid-rich food product: a pilot study. <i>Nutrition Research</i> , 2008, 28, 437-442.	1.3	12
32	Fetuin-A: A negative acute-phase protein linked to adipose tissue function in periparturient dairy cows. <i>Journal of Dairy Science</i> , 2018, 101, 2602-2616.	1.4	12
33	Differential Effects of the trans-18:1 Isomer Profile of Partially Hydrogenated Vegetable Oils on Cholesterol and Lipoprotein Metabolism in Male F1B Hamsters. <i>Journal of Nutrition</i> , 2011, 141, 1819-1826.	1.3	11
34	Introduction to the Proceedings of the Symposium "Scientific Update on Dairy Fats and Cardiovascular Diseases". <i>Journal of the American College of Nutrition</i> , 2008, 27, 720S-722S.	1.1	10
35	Biosynthesis and biological activity of rumenic acid: a natural CLA isomer. , 2012, , 195-230.		9
36	Ruminant-Produced trans-Fatty Acids Raise Plasma HDL Particle Concentrations in Intact and Ovariectomized Female Hartley Guinea Pigs. <i>Journal of Nutrition</i> , 2012, 142, 1679-1683.	1.3	8

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37	Fetal and neonatal exposure to <i>trans</i> -fatty acids impacts on susceptibility to atherosclerosis in apo E*3 Leiden mice. <i>British Journal of Nutrition</i> , 2017, 117, 377-385.	1.2	7
38	<i>Trans</i> -Fatty Acid- Stimulated Mammary Gland Growth in Ovariectomized Mice is Fatty Acid Type and Isomer Specific. <i>Lipids</i> , 2017, 52, 223-233.	0.7	6
39	The Transcriptome of Estrogen-Independent Mammary Growth in Female Mice Reveals That Not All Mammary Glands Are Created Equally. <i>Endocrinology</i> , 2017, 158, 3126-3139.	1.4	6
40	Abomasal infusion of different exogenous emulsifiers alters fatty acid digestibility and milk fat yield of lactating dairy cows. <i>Journal of Dairy Science</i> , 2022, 105, 3102-3112.	1.4	5
41	In Utero Exposure to <i>trans</i> -10, <i>cis</i> -12 Conjugated Linoleic Acid Modifies Postnatal Development of the Mammary Gland and its Hormone Responsiveness. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2021, 26, 263-276.	1.0	2
42	Conjugated Linoleic Acid. , 2022, , 798-802.		1
43	Conjugated Linoleic Acid. , 2011, , 240-244.		0