# Dale E Bauman

List of Publications by Year
in descending order

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Version: 2024-02-01

| | | 28274 | 43889 |
|---|---|---|---|
| 101 | 11,549 | 55 | 91 |
| papers | citations | h-index | g-index |

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|---|---|---|---|
| 101 | 101 | 101 | 5011 |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Mammary Gland, Milk Biosynthesis and Secretion: Milk Fat. , 2022, , 190-197. | | 2 |
| 2 | Conjugated Linoleic Acid. , 2022, , 798-802. | | 1 |
| 3 | Dietary Fat Does Not Overcome trans â€10, cis â€12 Conjugated Linoleic Acid Inhibition of Milk Fat Synthesis in Lactating mice. Lipids, 2020, 55, 201-212. | 1.7 | 5 |
| 4 | Endocrine and Metabolic Diseases. , 2020, , 1352-1420.e12. | | 0 |
| 5 | Both Dietary Fatty Acids and Those Present in the Cecotrophs Contribute to the Distinctive Chemical Characteristics of New Zealand Rabbit Milk Fat. Lipids, 2018, 53, 1085-1096. | 1.7 | 3 |
| 6 | Time-dependent effect of trans-10,cis-12 conjugated linoleic acid on gene expression of lipogenic enzymes and regulators in mammary tissue of dairy cows. Journal of Dairy Science, 2018, 101, 7585-7592. | 3.4 | 18 |
| 7 | The Potential Impact of Animal Science Research on Global Maternal and Child Nutrition and Health: A Landscape Review. Advances in Nutrition, 2017, 8, 362-381. | 6.4 | 17 |
| 8 | What global maternal and child nutrition can learn from animal science. The Lancet Global Health, 2017, 5, e749-e751. | 6.3 | 1 |
| 9 | Regulation of Factors Affecting Milk Yield. , 2017, , 3-17. | | 3 |
| 10 | Quantitative Risk Assessment of Antimicrobial-Resistant Foodborne Infections in Humans Due to Recombinant Bovine Somatotropin Usage in Dairy Cows. Journal of Food Protection, 2017, 80, 1099-1116. | 1.7 | 8 |
| 11 | Meta-analysis of the effects of sometribove zinc suspension on the production and health of lactating dairy cows. Journal of the American Veterinary Medical Association, 2014, 245, 550-564. | 0.5 | 16 |
| 12 | Liver x receptors stimulate lipogenesis in bovine mammary epithelial cell culture but do not appear to be involved in diet-induced milk fat depression in cows. Physiological Reports, 2014, 2, e00266. | 1.7 | 22 |
| 13 | Trans-10, cis-12 CLA Dose-Dependently Inhibits Milk Fat Synthesis without Disruption of Lactation in C57BL/6J Mice. Journal of Nutrition, 2014, 144, 1928-1934. | 2.9 | 18 |
| 14 | The Role of Productivity in Improving the Environmental Sustainability of Ruminant Production Systems. Annual Review of Animal Biosciences, 2013, 1, 469-489. | 7.4 | 84 |
| 15 | Effects of conjugated linoleic acids on prostaglandin secretion by bovine endometrial epithelial cells in vitro. American Journal of Veterinary Research, 2013, 74, 491-498. | 0.6 | 2 |
| 16 | Supplementation with Fish Oil as a Source of nâ€“3 Fatty Acids Does Not Downregulate Mammary Lipogenesis in Lactating Mice. Journal of Nutrition, 2013, 143, 1913-1919. | 2.9 | 3 |
| 17 | Sterculic Oil, a Natural SCD1 Inhibitor, Improves Glucose Tolerance in Obese ob/ob Mice. Isrn Endocrinology, 2012, 2012, 1-11. | 2.0 | 20 |
| 18 | Ruminant-Produced trans-Fatty Acids Raise Plasma HDL Particle Concentrations in Intact and Ovariectomized Female Hartley Guinea Pigs. Journal of Nutrition, 2012, 142, 1679-1683. | 2.9 | 8 |

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|---|---|---|---|
| 19 | Biosynthesis and biological activity of rumenic acid: a natural CLA isomer. , 2012, , 195-230. | | 9 |
| 20 | Polymorphisms in genes in the SREBP1 signalling pathway and SCD are associated with milk fatty acid composition in Holstein cattle. Journal of Dairy Research, 2012, 79, 66-75. | 1.4 | 71 |
| 21 | Recombinant Bovine Somatotropin: Environmental Impact. , 2011, , 942-946. | | 0 |
| 22 | Somatotropin. , 2011, , 995-998. | | 0 |
| 23 | Conjugated Linoleic Acid. , 2011, , 240-244. | | 0 |
| 24 | Nutrigenomics, Rumen-Derived Bioactive Fatty Acids, and the Regulation of Milk Fat Synthesis. Annual Review of Nutrition, 2011, 31, 299-319. | 10.1 | 233 |
| 25 | A Supplement Containing Trans-10, Cis-12 Conjugated Linoleic Acid Reduces Milk Fat Yield but Does Not Alter Organ Weight or Body Fat Deposition in Lactating Ewes1â€“3. Journal of Nutrition, 2010, 140, 1949-1955. | 2.9 | 19 |
| 26 | Ruminant-Produced trans-Fatty Acids Raise Plasma Total and Small HDL Particle Concentrations in Male Hartley Guinea Pigs ,. Journal of Nutrition, 2010, 140, 2173-2179. | 2.9 | 13 |
| 27 | Sterol regulatory element binding protein and dietary lipid regulation of fatty acid synthesis in the mammary epithelium. American Journal of Physiology - Endocrinology and Metabolism, 2010, 299, E918-E927. | 3.5 | 99 |
| 28 | Commentary on Domestic Animals in Agricultural and Biomedical Research: An Endangered Enterprise. Journal of Nutrition, 2009, 139, 427-428. | 2.9 | 20 |
| 29 | Expression of Enzymes and Key Regulators of Lipid Synthesis Is Upregulated in Adipose Tissue during CLA-Induced Milk Fat Depression in Dairy Cows. Journal of Nutrition, 2009, 139, 849-854. | 2.9 | 111 |
| 30 | Individual Trans Octadecenoic Acids and Partially Hydrogenated Vegetable Oil Differentially Affect Hepatic Lipid and Lipoprotein Metabolism in Golden Syrian Hamsters. Journal of Nutrition, 2009, 139, 257-263. | 2.9 | 63 |
| 31 | Unravelling the complexity of health effects of trans fatty acids: Insight from the TRANSFACT study. Lipid Technology, 2008, 20, 129-131. | 0.3 | 6 |
| 32 | Human breast milk enrichment in conjugated linoleic acid after consumption of a conjugated linoleic acidâ€“rich food product: a pilot study. Nutrition Research, 2008, 28, 437-442. | 2.9 | 12 |
| 33 | The environmental impact of recombinant bovine somatotropin (rbST) use in dairy production. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9668-9673. | 7.1 | 99 |
| 34 | Inhibition of stearoyl CoA desaturase activity induces hypercholesterolemia in the cholesterol-fed hamster. Journal of Lipid Research, 2008, 49, 1456-1465. | 4.2 | 19 |
| 35 | Regulation of Fat Synthesis by Conjugated Linoleic Acid: Lactation and the Ruminant Model , ,. Journal of Nutrition, 2008, 138, 403-409. | 2.9 | 182 |
| 36 | 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. American Journal of Clinical Nutrition, 2008, 87, 558-566. | 4.7 | 217 |

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| 37 | Mammary expression of activating transcription factor 4 (ATF4) and tribbles homolog 3 (TRB3) is upâ€regulated during CLAâ€induced inhibition of milk fat synthesis in the dairy cow. FASEB Journal, 2008, 22, 728-728. | 0.5 | 1 |
| 38 | Trans-10 Octadecenoic Acid Does Not Reduce Milk Fat Synthesis in Dairy Cows ,2. Journal of Nutrition, 2007, 137, 71-76. | 2.9 | 107 |
| 39 | Rationale and design of the TRANSFACT project phase I: A study to assess the effect of the two different dietary sources of trans fatty acids on cardiovascular risk factors in humans. Contemporary Clinical Trials, 2006, 27, 364-373. | 1.8 | 41 |
| 40 | SREBP1 and Thyroid Hormone Responsive Spot 14 (S14) Are Involved in the Regulation of Bovine Mammary Lipid Synthesis during Diet-Induced Milk Fat Depression and Treatment with CLA. Journal of Nutrition, 2006, 136, 2468-2474. | 2.9 | 235 |
| 41 | Butter Naturally Enriched in Conjugated Linoleic Acid and Vaccenic Acid Alters Tissue Fatty Acids and Improves the Plasma Lipoprotein Profile in Cholesterol-Fed Hamsters. Journal of Nutrition, 2005, 135, 1934-1939. | 2.9 | 104 |
| 42 | Biosynthesis of Conjugated Linoleic Acid in Ruminants and Humans. Advances in Food and Nutrition Research, 2005, 50, 179-217. | 3.0 | 230 |
| 43 | The Anticarcinogenic Effect of trans-11 18:1 Is Dependent on Its Conversion to cis-9, trans-11 CLA by Î”9-Desaturase in Rats. Journal of Nutrition, 2004, 134, 2698-2704. | 2.9 | 114 |
| 44 | Insulin Increases the Abundance of the Growth Hormone Receptor in Liver and Adipose Tissue of Periparturient Dairy Cows. Journal of Nutrition, 2004, 134, 1020-1027. | 2.9 | 97 |
| 45 | Effect of CLA on milk fat synthesis in dairy cows: Comparison of inhibition by methyl esters and free fatty acids, and relationships among studies. Lipids, 2004, 39, 365-372. | 1.7 | 115 |
| 46 | Modifying milk fat composition of dairy cows to enhance fatty acids beneficial to human health. Lipids, 2004, 39, 1197-1206. | 1.7 | 487 |
| 47 | The Inhibitory Effect of trans-10, cis-12 CLA on Lipid Synthesis in Bovine Mammary Epithelial Cells Involves Reduced Proteolytic Activation of the Transcription Factor SREBP-1. Journal of Nutrition, 2004, 134, 2523-2527. | 2.9 | 125 |
| 48 | NUTRITIONALREGULATION OFMILKFATSYNTHESIS. Annual Review of Nutrition, 2003, 23, 203-227. | 10.1 | 897 |
| 49 | Identification and Characterization of Conjugated Fatty Acid Methyl Esters of Mixed Double Bond Geometry by Acetonitrile Chemical Ionization Tandem Mass Spectrometry. Analytical Chemistry, 2003, 75, 4925-4930. | 6.5 | 72 |
| 50 | Effects of sterculic acid on stearoyl-CoA desaturase in differentiating 3T3-L1 adipocytes. Biochemical and Biophysical Research Communications, 2003, 300, 316-326. | 2.1 | 67 |
| 51 | Effect of insulin and growth hormone on plasma leptin in periparturient dairy cows. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2003, 285, R1107-R1115. | 1.8 | 57 |
| 52 | Conjugated linoleic acid decreases fat accretion in pigs: evaluation by dual-energy X-ray absorptiometry. British Journal of Nutrition, 2003, 89, 219-229. | 2.3 | 68 |
| 53 | Dietary conjugated linoleic acid differentially alters fatty acid composition and increases conjugated linoleic acid content in porcine adipose tissue. British Journal of Nutrition, 2003, 90, 915-928. | 2.3 | 44 |
| 54 | cis-9, trans-11 CLA Derived Endogenously from trans-11 18:1 Reduces Cancer Risk in Rats. Journal of Nutrition, 2003, 133, 2893-2900. | 2.9 | 157 |

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|---|---|---|---|
| 55 | Diet-Induced Milk Fat Depression in Dairy Cows Results in Increased trans-10, cis-12 CLA in Milk Fat and Coordinate Suppression of mRNA Abundance for Mammary Enzymes Involved in Milk Fat Synthesis. Journal of Nutrition, 2003, 133, 3098-3102. | 2.9 | 192 |
| 56 | Dietary manipulation of conjugated linoleic acid in ruminant products. Proceedings of the British Society of Animal Science, 2003, 2003, 219-220. | 0.0 | 0 |
| 57 | Trans-7,cis-9 CLA is synthesized endogenously by Î”9-desaturase in dairy cowsin dairy cows. Lipids, 2002, 37, 681-688. | 1.7 | 119 |
| 58 | Milk Fat Synthesis in Dairy Cows Is Progressively Reduced by Increasing Supplemental Amounts of trans-10, cis-12 Conjugated Linoleic Acid (CLA). Journal of Nutrition, 2001, 131, 1764-1769. | 2.9 | 199 |
| 59 | The role of Î”9-desaturase in the production of cis-9, trans-11 CLA. Journal of Nutritional Biochemistry, 2001, 12, 622-630. | 4.2 | 344 |
| 60 | Control of Rat Mammary Epithelium Proliferation by Conjugated Linoleic Acid. Nutrition and Cancer, 2001, 39, 233-238. | 2.0 | 39 |
| 61 | Identification of the conjugated linoleic acid isomer that inhibits milk fat synthesis. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2000, 278, R179-R184. | 1.8 | 331 |
| 62 | Culture of primary bovine mammary epithelial cells. In Vitro Cellular and Developmental Biology - Animal, 1999, 35, 431-434. | 1.5 | 11 |
| 63 | Dietary Conjugated Linoleic Acids Increase Lean Tissue and Decrease Fat Deposition in Growing Pigs. Journal of Nutrition, 1999, 129, 2037-2042. | 2.9 | 286 |
| 64 | Conjugated Linoleic Acids Alter Milk Fatty Acid Composition and Inhibit Milk Fat Secretion in Dairy Cows. Journal of Nutrition, 1999, 129, 1579-1584. | 2.9 | 315 |
| 65 | Dietary Fatty Acid Sources Affect Conjugated Linoleic Acid Concentrations in Milk from Lactating Dairy Cows. Journal of Nutrition, 1998, 128, 881-885. | 2.9 | 289 |
| 66 | Biology of Somatotropin in Growth and Lactation of Domestic Animals. Physiological Reviews, 1998, 78, 745-761. | 28.8 | 330 |
| 67 | Nutrition, Development and Efficacy of Growth Modifiers in Livestock Species. Journal of Nutrition, 1998, 128, 360S-363S. | 2.9 | 48 |
| 68 | Management and economics of extended calving intervals with use of bovine somatotropin. Livestock Science, 1997, 50, 15-28. | 1.2 | 58 |
| 69 | Adaptations of glucose metabolism during pregnancy and lactation. Journal of Mammary Gland Biology and Neoplasia, 1997, 2, 265-278. | 2.7 | 400 |
| 70 | Effect of Somatotropin Treatment on Lipogenesis, Lipolysis, and Related Cellular Mechanisms in Adipose Tissue of Lactating Cows. Journal of Dairy Science, 1995, 78, 1703-1712. | 3.4 | 45 |
| 71 | Nutrient Utilization and Protein Turnover in the Hindlimb of Cattle Treated with Bovine Somatotropin. Journal of Nutrition, 1994, 124, 664-673. | 2.9 | 51 |
| 72 | Animal Models for the Study of Adipose Regulation in Pregnancy and Lactation. Advances in Experimental Medicine and Biology, 1994, 352, 71-84. | 1.6 | 8 |

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| 73 | The Effect of Bovine Growth Hormone on Growth, Carcass Composition and Meat Quality of Dairy Heifers. Acta Agriculturae Scandinavica - Section A: Animal Science, 1993, 43, 165-172. | 0.2 | 11 |
| 74 | Effects of Exogenous Bovine Somatotropin on Lactation. Annual Review of Nutrition, 1993, 13, 437-461. | 10.1 | 239 |
| 75 | Porcine Somatotropin Affects the Dietary Lysine Requirement and Net Lysine Utilization for Growing Pigs. Journal of Nutrition, 1993, 123, 1913-1922. | 2.9 | 33 |
| 76 | Bovine Somatotropin: Review of an Emerging Animal Technology. Journal of Dairy Science, 1992, 75, 3432-3451. | 3.4 | 232 |
| 77 | Abomasal Infusion of Casein Enhances Nitrogen Retention in Somatotropin-Treated Steers. Journal of Nutrition, 1992, 122, 1717-1725. | 2.9 | 39 |
| 78 | Effect of Dose of Bovine Somatotropin on Nutrient Utilization in Growing Dairy Heifers. Journal of Nutrition, 1990, 120, 1256-1263. | 2.9 | 31 |
| 79 | Long-Term Evaluation of a Prolonged-Release Formulation of N-Methionyl Bovine Somatotropin in Lactating Dairy Cows. Journal of Dairy Science, 1989, 72, 642-651. | 3.4 | 68 |
| 80 | Effect of Somatotropin on Kinetics of Nonesterified Fatty Acids and Partition of Energy, Carbon, and Nitrogen in Lactating Dairy Cows. Journal of Dairy Science, 1989, 72, 59-67. | 3.4 | 62 |
| 81 | Mechanisms of Action for Somatotropin in Growth. , 1989, , 257-293. | | 54 |
| 82 | Effect of Bovine Somatotropin on Metabolism of Lactating Dairy Cows: Energy and Nitrogen Utilization as Determined by Respiration Calorimetry. Journal of Nutrition, 1988, 118, 1024-1030. | 2.9 | 83 |
| 83 | Effect of Bovine Somatotropin on Metabolism of Lactating Dairy Cows: Influence on Rates of Irreversible Loss and Oxidation of Glucose and Nonesterified Fatty Acids. Journal of Nutrition, 1988, 118, 1031-1040. | 2.9 | 143 |
| 84 | Effect of 188-Day Treatment with Somatotropin on Health and Reproductive Performance of Lactating Dairy Cows,. Journal of Dairy Science, 1987, 70, 582-591. | 3.4 | 61 |
| 85 | Effect of Pattern of Administration of Bovine Growth Hormone on Lactational Performance of Dairy Cows. Journal of Dairy Science, 1986, 69, 38-43. | 3.4 | 31 |
| 86 | Effect of Chronic Growth Hormone Treatment on Responses to Epinephrine and Thyrotropin-Releasing Hormone in Lactating Cows. Journal of Dairy Science, 1986, 69, 44-51. | 3.4 | 179 |
| 87 | Effect of Exogenous Bovine Somatotropin on Pubertal Mammary Development in Heifers. Journal of Dairy Science, 1986, 69, 1528-1535. | 3.4 | 94 |
| 88 | Effect of Bovine Growth Hormone Administration on Metabolism of Growing Hereford Heifers: Protein and Lipid Metabolism and Plasma Concentrations of Metabolites and Plasma Concentrations of Metabolites and Hormones. Journal of Nutrition, 1986, 116, 2504-2515. | 2.9 | 74 |
| 89 | Effect of Bovine Growth Hormone Administration on Metabolism of Growing Hereford Heifers: Dietary Digestibility, Energy and Nitrogen Balance. Journal of Nutrition, 1986, 116, 157-163. | 2.9 | 73 |
| 90 | Sources of Variation and Prospects for Improvement of Productive Efficiency in the Dairy Cow: A Review. Journal of Animal Science, 1985, 60, 583-592. | 0.5 | 117 |

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| 91 | Responses of Dairy Cows to Exogenous Bovine Growth Hormone Administered During Early Lactation. Journal of Dairy Science, 1985, 68, 2385-2389. | 3.4 | 52 |
| 92 | Effect of Dose of Bovine Growth Hormone on Lactation of Dairy Cows. Journal of Dairy Science, 1985, 68, 1109-1115. | 3.4 | 91 |
| 93 | Effect of Dose of Bovine Growth Hormone on Milk Composition: Î±-Lactalbumin, Fatty Acids, and Mineral Elements. Journal of Dairy Science, 1985, 68, 3047-3054. | 3.4 | 67 |
| 94 | Responses of High-Producing Dairy Cows to Long-Term Treatment with Pituitary Somatotropin and Recombinant Somatotropin. Journal of Dairy Science, 1985, 68, 1352-1362. | 3.4 | 290 |
| 95 | Effect of Synthetic Human Pancreatic Growth Hormone-Releasing Factors on Plasma Growth Hormone Concentrations in Lactating Cows. Journal of Dairy Science, 1984, 67, 2881-2886. | 3.4 | 22 |
| 96 | Effect of Exogenous Growth Hormone in Early and Late Lactation on Lactational Performance of Dairy Cows. Journal of Dairy Science, 1983, 66, 776-782. | 3.4 | 151 |
| 97 | Comparison of Different Patterns of Exogenous Growth Hormone Administration on Milk Production in Holstein Cows. Journal of Animal Science, 1983, 57, 699-705. | 0.5 | 67 |
| 98 | Lactational Response to Exogenous Growth Hormone and Abomasal Infusion of a Glucose-Sodium Caseinate Mixture in High-Yielding Dairy Cows. Journal of Nutrition, 1982, 112, 1770-1778. | 2.9 | 80 |
| 99 | Prolactin Regulation of Cytological Differentiation of Mammary Epithelial Cells in Periparturient Cows*. Endocrinology, 1981, 109, 31-40. | 2.8 | 78 |
| 100 | Effect of Exogenous Growth Hormone on Lactational Performance in High Yielding Dairy Cows. Journal of Nutrition, 1981, 111, 1662-1671. | 2.9 | 175 |
| 101 | Partitioning of Nutrients During Pregnancy and Lactation: A Review of Mechanisms Involving Homeostasis and Homeorhesis. Journal of Dairy Science, 1980, 63, 1514-1529. | 3.4 | 1,365 |