# Ross Tellam

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 96 papers | 6,807 citations | 57719 44 h-index | 60583 81 g-index |
| 99 all docs | 99 docs citations | 99 times ranked | 8148 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Differential gene responses 3 days following infarction in the fetal and adolescent sheep heart. Physiological Genomics, 2020, 52, 143-159. | 1.0 | 4 |
| 2 | Improving pregnancy outcomes in humans through studies in sheep. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 315, R1123-R1153. | 0.9 | 111 |
| 3 | The role of miRNA regulation in fetal cardiomyocytes, cardiac maturation and the risk of heart disease in adults. Journal of Physiology, 2018, 596, 5625-5640. | 1.3 | 32 |
| 4 | Adverse Intrauterine Environment and Cardiac miRNA Expression. International Journal of Molecular Sciences, 2017, 18, 2628. | 1.8 | 24 |
| 5 | Gene expression allelic imbalance in ovine brown adipose tissue impacts energy homeostasis. PLoS ONE, 2017, 12, e0180378. | 1.1 | 8 |
| 6 | The primary reasons behind data sharing, its wider benefits and how to cope with the realities of commercial data. BMC Genomics, 2015, 16, 626. | 1.2 | 5 |
| 7 | Recent developments on the role of epigenetics in obesity and metabolic disease. Clinical Epigenetics, 2015, 7, 66. | 1.8 | 162 |
| 8 | G-quadruplexes: A possible epigenetic target for nutrition. Mutation Research - Reviews in Mutation Research, 2015, 764, 101-107. | 2.4 | 16 |
| 9 | Coordinated international action to accelerate genome-to-phenome with FAANG, the Functional Annotation of Animal Genomes project. Genome Biology, 2015, 16, 57. | 3.8 | 331 |
| 10 | Genome-wide association study of body weight in Australian Merino sheep reveals an orthologous region on OAR6 to human and bovine genomic regions affecting height and weight. Genetics Selection Evolution, 2015, 47, 66. | 1.2 | 105 |
| 11 | Regulation of microRNA during cardiomyocyte maturation in sheep. BMC Genomics, 2015, 16, 541. | 1.2 | 17 |
| 12 | Epigenetics and human obesity. International Journal of Obesity, 2015, 39, 85-97. | 1.6 | 283 |
| 13 | Impacts of the Callipyge Mutation on Ovine Plasma Metabolites and Muscle Fibre Type. PLoS ONE, 2014, 9, e99726. | 1.1 | 3 |
| 14 | Lean Mass, Muscle Strength and Gene Expression in Community Dwelling Older Men: Findings from the Hertfordshire Sarcopenia Study (HSS). Calcified Tissue International, 2014, 95, 308-316. | 1.5 | 66 |
| 15 | mRNA Structural Constraints on EBNA1 Synthesis Impact on In Vivo Antigen Presentation and Early Priming of CD8+ T Cells. PLoS Pathogens, 2014, 10, e1004423. | 2.1 | 28 |
| 16 | Genomic architecture of histone 3 lysine 27 trimethylation during late ovine skeletal muscle development. Animal Genetics, 2014, 45, 427-438. | 0.6 | 8 |
| 17 | Molecular analyses provide insight into mechanisms underlying sarcopenia and myofibre denervation in old skeletal muscles of mice. International Journal of Biochemistry and Cell Biology, 2014, 53, 174-185. | 1.2 | 72 |
| 18 | New insights into polar overdominance in callipyge sheep. Animal Genetics, 2014, 45, 51-61. | 0.6 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | An Always Correlated gene expression landscape for ovine skeletal muscle, lessons learnt from comparison with an â€œequivalentâ€•bovine landscape. BMC Research Notes, 2012, 5, 632. | 0.6 | 4 |
| 20 | Genes Contributing to Genetic Variation of Muscling in Sheep. Frontiers in Genetics, 2012, 3, 164. | 1.1 | 46 |
| 21 | Genetic architecture of gene expression in ovine skeletal muscle. BMC Genomics, 2011, 12, 607. | 1.2 | 18 |
| 22 | Bovine Muc1 inhibits binding of enteric bacteria to Caco-2 cells. Glycoconjugate Journal, 2010, 27, 89-97. | 1.4 | 72 |
| 23 | A gene network switch enhances the oxidative capacity of ovine skeletal muscle during late fetal development. BMC Genomics, 2010, 11, 378. | 1.2 | 27 |
| 24 | Bovine proteins containing poly-glutamine repeats are often polymorphic and enriched for components of transcriptional regulatory complexes. BMC Genomics, 2010, 11, 654. | 1.2 | 15 |
| 25 | The Imprinted Retrotransposon-Like Gene PEG11 (RTL1) Is Expressed as a Full-Length Protein in Skeletal Muscle from Callipyge Sheep. PLoS ONE, 2010, 5, e8638. | 1.1 | 38 |
| 26 | Effect of DLK1 and RTL1 but Not MEG3 or MEG8 on Muscle Gene Expression in Callipyge Lambs. PLoS ONE, 2009, 4, e7399. | 1.1 | 52 |
| 27 | Intrauterine Growth Restriction and the Sex Specific Programming of Leptin and Peroxisome Proliferator-Activated Receptor Î³ (PPARÎ³) mRNA Expression in Visceral Fat in the Lamb. Pediatric Research, 2009, 66, 59-65. | 1.1 | 48 |
| 28 | Unlocking the bovine genome. BMC Genomics, 2009, 10, 193. | 1.2 | 46 |
| 29 | The Genome Sequence of Taurine Cattle: A Window to Ruminant Biology and Evolution. Science, 2009, 324, 522-528. | 6.0 | 1,038 |
| 30 | The bovine lactation genome: insights into the evolution of mammalian milk. Genome Biology, 2009, 10, R43. | 13.9 | 164 |
| 31 | Bovine Muc1 is a highly polymorphic gene encoding an extensively glycosylated mucin that binds bacteria. Journal of Dairy Science, 2009, 92, 5276-5291. | 1.4 | 58 |
| 32 | Identification of immune genes and proteins involved in the response of bovine mammary tissue to Staphylococcus aureus infection. BMC Veterinary Research, 2008, 4, 18. | 0.7 | 113 |
| 33 | Analysis of the callipyge phenotype through skeletal muscle development; association of Dlk1 with muscle precursor cells. Differentiation, 2008, 76, 283-298. | 1.0 | 56 |
| 34 | MicroRNA-26a Targets the Histone Methyltransferase Enhancer of Zeste homolog 2 during Myogenesis. Journal of Biological Chemistry, 2008, 283, 9836-9843. | 1.6 | 294 |
| 35 | 15-Deoxy-Î”<sup>12,14</sup>-prostaglandin J<sub>2</sub>induces chemokine expression, oxidative stress and microfilament reorganization in bovine mammary epithelial cells. Journal of Dairy Research, 2008, 75, 55-63. | 0.7 | 10 |
| 36 | Placental restriction of fetal growth decreases IGF1 and leptin mRNA expression in the perirenal adipose tissue of late gestation fetal sheep. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 294, R1413-R1419. | 0.9 | 43 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Identification of a gene network contributing to hypertrophy in callipyge skeletal muscle. Physiological Genomics, 2007, 28, 253-272. | 1.0 | 66 |
| 38 | A physical map of the bovine genome. Genome Biology, 2007, 8, R165. | 13.9 | 73 |
| 39 | Analysis of gene expression during the onset of muscle hypertrophy in callipyge lambs. Animal Genetics, 2007, 38, 28-36. | 0.6 | 44 |
| 40 | Adipogenesis in mouse 3T3L1 cells: the effects of Rtl1 over-expression. Functional and Integrative Genomics, 2007, 7, 257-261. | 1.4 | 0 |
| 41 | Capturing benefits from the bovine genome sequence. Australian Journal of Experimental Agriculture, 2007, 47, 1039. | 1.0 | 8 |
| 42 | Bovine mammary epithelial cells, initiators of innate immune responses to mastitis. Australian Journal of Experimental Agriculture, 2005, 45, 757. | 1.0 | 30 |
| 43 | Expression of imprinted genes surrounding the callipyge mutation in ovine skeletal muscle. Australian Journal of Experimental Agriculture, 2005, 45, 879. | 1.0 | 16 |
| 44 | Construction and validation of a Bovine Innate Immune Microarray. BMC Genomics, 2005, 6, 135. | 1.2 | 75 |
| 45 | Lipopolysaccharide and lipoteichoic acid induce different innate immune responses in bovine mammary epithelial cells. Cytokine, 2005, 31, 72-86. | 1.4 | 237 |
| 46 | Effect of Food Deprivation on Blood Concentration of Metabolic Hormones in Merino Rams: The Role of Leptin. Veterinary Research Communications, 2003, 27, 219-220. | 0.6 | 2 |
| 47 | Differential expression of Dlk-1 in bovine adipose tissue depots. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2003, 134, 315-333. | 0.7 | 25 |
| 48 | Identification of an immuno-protective mucin-like protein, peritrophin-55, from the peritrophic matrix of Lucilia cuprina larvae. Insect Biochemistry and Molecular Biology, 2003, 33, 239-252. | 1.2 | 37 |
| 49 | Production of antibodies to recombinant antigens from Lucilia cuprina following cutaneous immunisation of sheep. Veterinary Parasitology, 2002, 104, 345-350. | 0.7 | 19 |
| 50 | Reduced oviposition of Boophilus microplus feeding on sheep vaccinated with vitellin. Veterinary Parasitology, 2002, 103, 141-156. | 0.7 | 60 |
| 51 | Identification and molecular characterisation of a peritrophin gene, peritrophin-48, from the myiasis fly Chrysomya bezziana1The cDNA and genomic nucleotide sequences of C. bezziana peritrophin-48 have been submitted to the Genbankâ„¢ Data Bank with the accession numbers AF030557 and AF139718, respectively.1. Insect Biochemistry and Molecular Biology, 2001, 31, 919-932. | 1.2 | 28 |
| 52 | Secretion of the type 2 peritrophic matrix protein, peritrophin-15, from the cardia. Archives of Insect Biochemistry and Physiology, 2001, 47, 76-85. | 0.6 | 17 |
| 53 | Role of oligosaccharides in the immune response of sheep vaccinated with Lucilia cuprina larval glycoprotein, peritrophin-95. International Journal for Parasitology, 2001, 31, 798-809. | 1.3 | 36 |
| 54 | Targeting of EBNA1 for Rapid Intracellular Degradation Overrides the Inhibitory Effects of the Gly-Ala Repeat Domain and Restores CD8+ T Cell Recognition. Journal of Biological Chemistry, 2001, 276, 33353-33360. | 1.6 | 56 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | A Novel Family of Chitin-binding Proteins from Insect Type 2 Peritrophic Matrix. Journal of Biological Chemistry, 2001, 276, 15527-15536. | 1.6 | 44 |
| 56 | Insect chitin synthase. FEBS Journal, 2000, 267, 6025-6043. | 0.2 | 127 |
| 57 | Level of nutrition affects leptin concentrations in plasma and cerebrospinal fluid in sheep. Journal of Endocrinology, 2000, 165, 625-637. | 1.2 | 285 |
| 58 | Adrenaline, insulin and glucagon do not have acute effects on plasma leptin levels in sheep: development and characterisation of an ovine leptin ELISA. Journal of Endocrinology, 2000, 166, 127-135. | 1.2 | 65 |
| 59 | Chitin is only a minor component of the peritrophic matrix from larvae of Lucilia cuprina. Insect Biochemistry and Molecular Biology, 2000, 30, 1189-1201. | 1.2 | 64 |
| 60 | The intrinsic peritrophic matrix protein peritrophin-95 from larvae of Lucilia cuprina is synthesised in the cardia and regurgitated or excreted as a highly immunogenic protein. Insect Biochemistry and Molecular Biology, 2000, 30, 9-17. | 1.2 | 26 |
| 61 | Peritrophic matrix proteins. Insect Biochemistry and Molecular Biology, 1999, 29, 87-101. | 1.2 | 332 |
| 62 | cDNA and deduced amino acid sequences of a peritrophic membrane glycoprotein, `Peritrophin-48', from the larvae of Lucilia cuprina. Insect Biochemistry and Molecular Biology, 1998, 28, 99-111. | 1.2 | 53 |
| 63 | Inhibition of growth of Lucilia cuprina larvae using serum from sheep vaccinated with first-instar larval antigens. International Journal for Parasitology, 1998, 28, 439-450. | 1.3 | 26 |
| 64 | Antibody-mediated inhibition of the growth of larvae from an insect causing cutaneous myiasis in a mammalian host. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 8939-8944. | 3.3 | 80 |
| 65 | Control of blowfly strike in sheep: Current strategies and future prospects. International Journal for Parasitology, 1997, 27, 261-273. | 1.3 | 92 |
| 66 | Endocytosis by digest cells of the cattle tick Boophilus microplus: Regulation by protein kinase C. Insect Biochemistry and Molecular Biology, 1996, 26, 147-154. | 1.2 | 5 |
| 67 | Protein motifs in filarial chitinases: An alternative view. Parasitology Today, 1996, 12, 291-292. | 3.1 | 25 |
| 68 | The major excretory/secretory protease from Lucilia cuprina larvae is also a gut digestive protease. International Journal for Parasitology, 1996, 26, 623-628. | 1.3 | 50 |
| 69 | Growth of Lucilia cuprina larvae following treatment of sheep divergently selected for fleece rot and fly strike with monoclonal antibodies to T lymphocyte subsets and interferon Î³. International Journal for Parasitology, 1996, 26, 775-782. | 1.3 | 25 |
| 70 | Characterization of a Major Peritrophic Membrane Protein, Peritrophin-44, from the Larvae of Lucilia cuprina. Journal of Biological Chemistry, 1996, 271, 8925-8935. | 1.6 | 177 |
| 71 | Excretory/secretory chymotrypsin from Lucilia cuprina: purification, enzymatic specificity and amino acid sequence deduced from mRNA. Insect Molecular Biology, 1994, 3, 201-211. | 1.0 | 59 |
| 72 | Larvicidal activity of lectins on <i>Lucilia cuprina</i>: mechanism of action. Entomologia Experimentalis Et Applicata, 1994, 72, 1-10. | 0.7 | 111 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Vaccination of sheep with purified serine proteases from the secretory and excretory material of Lucilia cuprina larvae. International Journal for Parasitology, 1994, 24, 757-764. | 1.3 | 27 |
| 74 | Lucilia cuprina: Inhibition of larval growth induced by immunization of host sheep with extracts of larval peritrophic membrane. International Journal for Parasitology, 1993, 23, 221-229. | 1.3 | 67 |
| 75 | â€˜Concealedâ€™ antigens: Expanding the range of immunological targets. Parasitology Today, 1993, 9, 132-135. | 3.1 | 76 |
| 76 | Passage of host immunoglobulin across the mid-gut epithelium into the haemolymph of blood-fed buffalo flies Haematobia irritans exigua. Journal of Insect Physiology, 1992, 38, 9-17. | 0.9 | 51 |
| 77 | The binding of terbium ions to gelsolin reveals two classes of metal ion binding sites. Archives of Biochemistry and Biophysics, 1991, 288, 185-191. | 1.4 | 7 |
| 78 | Dextran sulfate induces changes in the free intracellular calcium ion concentration of a subpopulation of immature thymocytes. Immunology and Cell Biology, 1991, 69, 369-376. | 1.0 | 1 |
| 79 | Microfilament organization correlates with increased cellular content of gelsolin. Experimental Cell Research, 1990, 187, 180-183. | 1.2 | 7 |
| 80 | A common theme in the amino acid sequences of actin and many actin-binding proteins?. Trends in Biochemical Sciences, 1989, 14, 130-133. | 3.7 | 50 |
| 81 | Cloning and expression of a protective antigen from the cattle tick Boophilus microplus.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 9657-9661. | 3.3 | 231 |
| 82 | The effect of sulfated polysaccharides on the free intracellular calcium ion concentration of lymphocytes. Biochimica Et Biophysica Acta - Molecular Cell Research, 1987, 930, 55-64. | 1.9 | 14 |
| 83 | Lipids fromPlasmodium vinckei-infected erythrocytes and their susceptibility to oxidative damage. Lipids, 1987, 22, 51-57. | 0.7 | 18 |
| 84 | Erythro-9-[3-(2-hydroxynonyl)]adenine accelerates actin polymerization and nucleotide exchange. Biochemical and Biophysical Research Communications, 1986, 137, 1181-1186. | 1.0 | 0 |
| 85 | Increased actin nucleating activity in tumorigenic cells. Biochemical and Biophysical Research Communications, 1986, 134, 1284-1290. | 1.0 | 1 |
| 86 | Gelsolin inhibits nucleotide exchange from actin. Biochemistry, 1986, 25, 5799-5804. | 1.2 | 20 |
| 87 | The free cytoplasmic calcium concentration of tumorigenic and non-tumorigenic human somatic cell hybrids. British Journal of Cancer, 1985, 51, 761-766. | 2.9 | 22 |
| 88 | Mechanism of calcium chloride induced actin polymerization. Biochemistry, 1985, 24, 4455-4460. | 1.2 | 32 |
| 89 | The binding of Ca2+ to actin monomer is monitored by the fluorescence of actin-bound auramine O. Biochemical Journal, 1984, 224, 269-276. | 1.7 | 5 |
| 90 | The influence of poly(ethylene glycol) 6000 on the properties of skeletal-muscle actin. Biochemical Journal, 1983, 213, 651-659. | 1.7 | 68 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Cytochalasin D and platelet gelsolin accelerate actin polymer formation. A model for regulation of the extent of actin polymer formation in vivo. Biochemistry, 1982, 21, 3207-3214. | 1.2 | 134 |
| 92 | The purification and properties of frog skeletal muscle phosphofructokinase. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1981, 69, 517-522. | 0.2 | 3 |
| 93 | Concentration-dependent migration in gel chromatography of reversibly polymerizing solutes: the osmotic behavior of polyacrylamide gels. Biophysical Chemistry, 1980, 12, 299-306. | 1.5 | 12 |
| 94 | Effect of phosphate on the macromolecular state of bovine neurophysin. Archives of Biochemistry and Biophysics, 1980, 201, 20-24. | 1.4 | 17 |
| 95 | Evaluation of equilibrium constants for the binding of N-acetyl-L-tryptophan to monomeric and dimeric forms of .alpha.-chymotrypsin. Biochemistry, 1979, 18, 5316-5321. | 1.2 | 22 |
| 96 | Determination of the asymptotic shapes of sedimentation velocity patterns for reversibly polymerizing solutes. Archives of Biochemistry and Biophysics, 1977, 178, 327-332. | 1.4 | 12 |