# Ken G. Dodds

List of Publications by Year
in descending order



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|---|---|---|---|
| 65 papers | 4,488 citations | 201385 27 h-index | 110170 64 g-index |
| 67 all docs | 67 docs citations | 67 times ranked | 4627 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Mutations in an oocyte-derived growth factor gene (BMP15) cause increased ovulation rate and infertility in a dosage-sensitive manner. Nature Genetics, 2000, 25, 279-283. | 9.4 | 932 |
| 2 | Genome-Wide Survey of SNP Variation Uncovers the Genetic Structure of Cattle Breeds. Science, 2009, 324, 528-532. | 6.0 | 746 |
| 3 | Understanding the relationship between the inbreeding coefficient and multilocus heterozygosity: theoretical expectations and empirical data. Heredity, 2004, 93, 255-265. | 1.2 | 360 |
| 4 | Genomic scan of selective sweeps in thin and fat tail sheep breeds for identifying of candidate regions associated with fat deposition. BMC Genetics, 2012, 13, 10. | 2.7 | 236 |
| 5 | The ovine Booroola fecundity gene (FecB) is linked to markers from a region of human chromosome 4q. Nature Genetics, 1993, 4, 410-414. | 9.4 | 166 |
| 6 | A second-generation linkage map of the sheep genome. Mammalian Genome, 1998, 9, 204-209. | 1.0 | 155 |
| 7 | Construction of relatedness matrices using genotyping-by-sequencing data. BMC Genomics, 2015, 16, 1047. | 1.2 | 122 |
| 8 | Signatures of selection in sheep bred for resistance or susceptibility to gastrointestinal nematodes. BMC Genomics, 2014, 15, 637. | 1.2 | 109 |
| 9 | The Booroola Fecundity (FecB) Gene Maps to Sheep Chromosome 6. Genomics, 1994, 22, 148-153. | 1.3 | 90 |
| 10 | Economic values for ewe prolificacy and lamb survival in New Zealand sheep. Livestock Science, 1999, 58, 75-90. | 1.2 | 86 |
| 11 | Genetic Resistance to Experimental Infection with Mycobacterium bovis in Red Deer ( Cervus elaphus ). Infection and Immunity, 2000, 68, 1620-1625. | 1.0 | 68 |
| 12 | Discovery of quantitative trait loci for resistance to parasitic nematode infection in sheep: I. Analysis of outcross pedigrees. BMC Genomics, 2006, 7, 178. | 1.2 | 67 |
| 13 | Myosin heavy chain composition of single fibres and their origins and distribution in developing fascicles of sheep tibialis cranialis muscles. Journal of Muscle Research and Cell Motility, 1992, 13, 551-572. | 0.9 | 64 |
| 14 | Coriander Spice Oil:Â Effects of Fruit Crushing and Distillation Time on Yield and Composition. Journal of Agricultural and Food Chemistry, 2001, 49, 118-123. | 2.4 | 58 |
| 15 | A High Throughput Single Nucleotide Polymorphism Multiplex Assay for Parentage Assignment in New Zealand Sheep. PLoS ONE, 2014, 9, e93392. | 1.1 | 55 |
| 16 | Production performance, repeatability and heritability estimates for live weight, fleece weight and fiber characteristics of alpacas in New Zealand. Small Ruminant Research, 2000, 37, 189-201. | 0.6 | 52 |
| 17 | Investigations into the GDF8 g+6723G-A polymorphism in New Zealand Texel sheep1. Journal of Animal Science, 2009, 87, 1856-1864. | 0.2 | 52 |
| 18 | Microsatellite Evolution: Testing the Ascertainment Bias Hypothesis. Journal of Molecular Evolution, 1998, 46, 256-260. | 0.8 | 48 |

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|---|---|---|---|
| 19 | Assessing accuracy of imputation using different SNP panel densities in a multi-breed sheep population. Genetics Selection Evolution, 2016, 48, 71. | 1.2 | 48 |
| 20 | Prediction of genomic breeding values for growth, carcass and meat quality traits in a multi-breed sheep population using a HD SNP chip. BMC Genetics, 2017, 18, 7. | 2.7 | 48 |
| 21 | Genetic diversity of a New Zealand multi-breed sheep population and composite breedsâ€™ history revealed by a high-density SNP chip. BMC Genetics, 2017, 18, 25. | 2.7 | 47 |
| 22 | Genetic evaluation using parentage information from genetic markers1. Journal of Animal Science, 2005, 83, 2271-2279. | 0.2 | 45 |
| 23 | Estimation of linkage disequilibrium and effective population size in New Zealand sheep using three different methods to create genetic maps. BMC Genetics, 2017, 18, 68. | 2.7 | 43 |
| 24 | Bone density in sheep: genetic variation and quantitative trait loci localisation. Bone, 2003, 33, 540-548. | 1.4 | 37 |
| 25 | Genetic parameters for various growth, carcass and meat quality traits in a New Zealand sheep population. Small Ruminant Research, 2017, 154, 81-91. | 0.6 | 37 |
| 26 | Association mapping of cold-induced sweetening in potato using historical phenotypic data. Annals of Applied Biology, 2011, 158, 248-256. | 1.3 | 36 |
| 27 | Accounting for Errors in Low Coverage High-Throughput Sequencing Data When Constructing Genetic Maps Using Biparental Outcrossed Populations. Genetics, 2018, 209, 65-76. | 1.2 | 36 |
| 28 | Genetic parameters for production traits in New Zealand dual-purpose sheep, with an emphasis on dagginess1. Journal of Animal Science, 2012, 90, 1411-1420. | 0.2 | 31 |
| 29 | Transcriptional profiling of Ovis aries identifies Ovar-DQA1 allele frequency differences between nematode-resistant and susceptible selection lines. Physiological Genomics, 2007, 30, 253-261. | 1.0 | 29 |
| 30 | The linkage map of sheep Chromosome 6 compared with orthologous regions in other species. Mammalian Genome, 1996, 7, 373-376. | 1.0 | 27 |
| 31 | Evaluation of microsatellites as a potential tool for product tracing of ground beef mixtures. Meat Science, 2005, 70, 337-345. | 2.7 | 27 |
| 32 | Copy number variants in the sheep genome detected using multiple approaches. BMC Genomics, 2016, 17, 441. | 1.2 | 27 |
| 33 | Effects and interactions of phosphorus and sulphur on a mown white clover/ryegrass sward. New Zealand Journal of Agricultural Research, 1996, 39, 421-433. | 0.9 | 26 |
| 34 | Linkage Disequilibrium Estimation in Low Coverage High-Throughput Sequencing Data. Genetics, 2018, 209, 389-400. | 1.2 | 26 |
| 35 | A putative autosomal gene increasing ovulation rate in Romney sheep. Animal Reproduction Science, 2006, 92, 65-73. | 0.5 | 25 |
| 36 | The activin receptor-like kinase 6 Booroola mutation enhances suppressive effects of bone morphogenetic protein 2 (BMP2), BMP4, BMP6 and growth and differentiation factor-9 on FSH release from ovine primary pituitary cell cultures. Journal of Endocrinology, 2008, 196, 251-261. | 1.2 | 25 |

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|---|---|---|---|
| 37 | Heifers with positive genetic merit for fertility traits reach puberty earlier and have a greater pregnancy rate than heifers with negative genetic merit for fertility traits. Journal of Dairy Science, 2021, 104, 3707-3721. | 1.4 | 25 |
| 38 | Effects of postharvest treatments on yield and composition of coriander herb oil. Journal of Agricultural and Food Chemistry, 1994, 42, 354-359. | 2.4 | 24 |
| 39 | Seasonal effects on gestation length and birth weight in alpacas. Animal Reproduction Science, 1997, 46, 297-303. | 0.5 | 24 |
| 40 | Genomic prediction and genome-wide association study for dagginess and host internal parasite resistance in New Zealand sheep. BMC Genomics, 2015, 16, 958. | 1.2 | 24 |
| 41 | Establishment of a pipeline to analyse non-synonymous SNPs in Bos taurus. BMC Genomics, 2006, 7, 298. | 1.2 | 21 |
| 42 | The variance of sample heterozygosity. Theoretical Population Biology, 1990, 37, 235-253. | 0.5 | 20 |
| 43 | Integration of molecular and quantitative information in sheep and goat industry breeding programmes. Small Ruminant Research, 2007, 70, 32-41. | 0.6 | 20 |
| 44 | Quantitative trait loci for live animal and carcass composition traits in Jersey and Limousin backâ€cross cattle finished on pasture or feedlot. Animal Genetics, 2009, 40, 648-654. | 0.6 | 20 |
| 45 | Genomic breed prediction in New Zealand sheep. BMC Genetics, 2014, 15, 92. | 2.7 | 20 |
| 46 | Alpha motoneurons are present in normal numbers but with reduced soma size in neurotrophin-3 knockout mice. Neuroscience Letters, 1999, 272, 107-110. | 1.0 | 18 |
| 47 | Cloning, mapping and association studies of the ovine ABCG2 gene with facial eczema disease in sheep. Animal Genetics, 2007, 38, 126-131. | 0.6 | 18 |
| 48 | Liveweight, fleece weight and prolificacy of Romney ewes carrying the Inverdale prolificacy gene (FecXI) located on the X-chromosome. Livestock Science, 1993, 34, 83-91. | 1.2 | 16 |
| 49 | Response to selection for ultrafine Merino sheep in New Zealand. Livestock Science, 1999, 58, 33-44. | 1.2 | 16 |
| 50 | Genomic signatures of inbreeding in a critically endangered parrot, the kÄkÄpÅ• G3: Genes, Genomes, Genetics, 2021, 11, . | 0.8 | 16 |
| 51 | Catalase gene is associated with facial eczema disease resistance in sheep. Animal Genetics, 1999, 30, 286-295. | 0.6 | 15 |
| 52 | THE CONSTRUCTION OF THE SIMPLE X2AND NEYMAN SMOOTH GOODNESS OF FIT TESTS. Statistica Neerlandica, 1985, 39, 35-50. | 0.9 | 12 |
| 53 | Effects and interactions of phosphorus and sulphur on a mown white clover/ryegrass sward. New Zealand Journal of Agricultural Research, 1996, 39, 435-445. | 0.9 | 12 |
| 54 | A genomeâ€screen experiment to detect quantitative trait loci affecting resistance to facial eczema disease in sheep. Animal Genetics, 2009, 40, 73-79. | 0.6 | 12 |

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|---|---|---|---|
| 55 | Development of Epigenetic Clocks for Key Ruminant Species. Genes, 2022, 13, 96. | 1.0 | 12 |
| 56 | Exclusion and Genomic Relatedness Methods for Assignment of Parentage Using Genotyping-by-Sequencing Data. G3: Genes, Genomes, Genetics, 2019, 9, 3239-3247. | 0.8 | 11 |
| 57 | Application of Low Coverage Genotyping by Sequencing in Selectively Bred Arctic Charr (<i>Salvelinus) Tj ETQq1 1 0.784314 rgBT /Ov | 0.8 | 10 |
| 58 | Reduced representation sequencing detects only subtle regional structure in a heavily exploited and rapidly recolonizing marine mammal species. Ecology and Evolution, 2018, 8, 8736-8749. | 0.8 | 9 |
| 59 | Beyond the genome: a perspective on the use of DNA methylation profiles as a tool for the livestock industry. Animal Frontiers, 2021, 11, 90-94. | 0.8 | 7 |
| 60 | Hitchhiking Mapping of Candidate Regions Associated with Fat Deposition in Iranian Thin and Fat Tail Sheep Breeds Suggests New Insights into Molecular Aspects of Fat Tail Selection. Animals, 2022, 12, 1423. | 1.0 | 6 |
| 61 | The effect of an imprecise map on interval mapping QTLs. Genetical Research, 2004, 84, 47-55. | 0.3 | 5 |
| 62 | The Use of â€œGenotyping-by-Sequencingâ€•to Recover Shared Genealogy in Genetically Diverse Eucalyptus Populations. Forests, 2021, 12, 904. | 0.9 | 4 |
| 63 | Using genetic markers in unpedigreed populations to detect a heritable trait. Journal of Zhejiang University: Science B, 2007, 8, 782-786. | 1.3 | 1 |
| 64 | Genetic variation in skin traits in New Zealand lambs. Journal of the Science of Food and Agriculture, 2022, , . | 1.7 | 1 |
| 65 | Genomic Tools for the Identification of Loci Associated with Facial Eczema in New Zealand Sheep. Genes, 2021, 12, 1560. | 1.0 | 0 |