

# Harry D Dawson

## List of Publications by Year in descending order

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87  
papers

4,584  
citations

126708

33  
h-index

102304

66  
g-index

89  
all docs

89  
docs citations

89  
times ranked

6677  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Analyses of pig genomes provide insight into porcine demography and evolution. <i>Nature</i> , 2012, 491, 393-398.   | 13.7 | 1,190     |
| 2  | Carotenoid Transport Is Decreased and Expression of the Lipid Transporters SR-BI, NPC1L1, and ABCA1 Is Downregulated in Caco-2 Cells Treated with Ezetimibe. <i>Journal of Nutrition</i> , 2005, 135, 2305-2312.                         | 1.3  | 262       |
| 3  | Iron Metabolism: A Comprehensive Review. <i>Nutrition Reviews</i> , 1996, 54, 295-317.   | 2.6  | 221       |
| 4  | Structural and functional annotation of the porcine immunome. <i>BMC Genomics</i> , 2013, 14, 332.   | 1.2  | 203       |
| 5  | Inflammation and Nutritional Science for Programs/Policies and Interpretation of Research Evidence (INSPIRE). <i>Journal of Nutrition</i> , 2015, 145, 1039S-1108S.  | 1.3  | 170       |
| 6  | Localized Multigene Expression Patterns Support an Evolving Th1/Th2-Like Paradigm in Response to Infections with <i>Toxoplasma gondii</i> and <i>Ascaris suum</i> . <i>Infection and Immunity</i> , 2005, 73, 1116-1128.                 | 1.0  | 150       |
| 7  | Deciphering the involvement of innate immune factors in the development of the host response to PRRSV vaccination. <i>Veterinary Immunology and Immunopathology</i> , 2004, 102, 199-216.  | 0.5  | 138       |
| 8  | Worm Burden-Dependent Disruption of the Porcine Colon Microbiota by <i>Trichuris suis</i> Infection. <i>PLoS ONE</i> , 2012, 7, e35470.  | 1.1  | 138       |
| 9  | Green Tea Polyphenol Extract Regulates the Expression of Genes Involved in Glucose Uptake and Insulin Signaling in Rats Fed a High Fructose Diet. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 6372-6378.               | 2.4  | 122       |
| 10 | Direct and indirect effects of retinoic acid on human Th2 cytokine and chemokine expression by human T lymphocytes. <i>BMC Immunology</i> , 2006, 7, 27.   | 0.9  | 105       |
| 11 | An in-depth comparison of the porcine, murine and human inflammasomes; lessons from the porcine genome and transcriptome. <i>Veterinary Microbiology</i> , 2017, 202, 2-15.  | 0.8  | 102       |
| 12 | Infection with parasitic nematodes confounds vaccination efficacy. <i>Veterinary Parasitology</i> , 2007, 148, 14-20.  | 0.7  | 86        |
| 13 | Green tea increases anti-inflammatory tristetraprolin and decreases pro-inflammatory tumor necrosis factor mRNA levels in rats. <i>Journal of Inflammation</i> , 2007, 4, 1.   | 1.5  | 82        |
| 14 | A time course study of immunological responses in <i>Trichuris suis</i> infected pigs demonstrates induction of a local type 2 response associated with worm burden. <i>International Journal for Parasitology</i> , 2006, 36, 915-924.  | 1.3  | 72        |
| 15 | Localized Th1-, Th2-, T Regulatory Cell-, and Inflammation-Associated Hepatic and Pulmonary Immune Responses in <i>Ascaris suum</i> -Infected Swine Are Increased by Retinoic Acid. <i>Infection and Immunity</i> , 2009, 77, 2576-2587. | 1.0  | 63        |
| 16 | <i>Ascaris suum</i> infection negatively affects the response to a <i>Mycoplasma hyopneumoniae</i> vaccination and subsequent challenge infection in pigs. <i>Vaccine</i> , 2009, 27, 5161-5169.   | 1.7  | 59        |
| 17 | The porcine translational research database: a manually curated, genomics and proteomics-based research resource. <i>BMC Genomics</i> , 2017, 18, 643.   | 1.2  | 55        |
| 18 | The immunoregulatory effects of homocysteine and its intermediates on T-lymphocyte function. <i>Mechanisms of Ageing and Development</i> , 2004, 125, 107-110.   | 2.2  | 53        |

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|----|--|-----|-----------|
| 19 | The Retinoic Acid Receptor- $\beta$ mediates human T-cell activation and Th2 cytokine and chemokine production. <i>BMC Immunology</i> , 2008, 9, 16.   | 0.9 | 53        |
| 20 | Chronic Marginal Vitamin A Status Reduces Natural Killer Cell Number and Function in Aging Lewis Rats. <i>Journal of Nutrition</i> , 1999, 129, 1510-1517.   | 1.3 | 51        |
| 21 | Functional Importance of Regional Differences in Localized Gene Expression of Receptors for IL-13 in Murine Gut. <i>Journal of Immunology</i> , 2006, 176, 491-495.  | 0.4 | 49        |
| 22 | Cinnamon polyphenols regulate multiple metabolic pathways involved in insulin signaling and intestinal lipoprotein metabolism of small intestinal enterocytes. <i>Nutrition</i> , 2012, 28, 1172-1179.                                   | 1.1 | 47        |
| 23 | Cytokine gene expression in dams and fetuses after experimental <i>Neospora caninum</i> infection of heifers at 110 days of gestation. <i>Parasite Immunology</i> , 2003, 25, 383-392.   | 0.7 | 46        |
| 24 | Innate Immune Defenses Induced by CpG Do Not Promote Vaccine-Induced Protection against Foot-and-Mouth Disease Virus in Pigs. <i>Vaccine Journal</i> , 2009, 16, 1151-1157.  | 3.2 | 45        |
| 25 | A Comparative Assessment of the Pig, Mouse and Human Genomes. , 2011, , 323-342.   |     | 45        |
| 26 | Immune Regulation of Protease-Activated Receptor-1 Expression in Murine Small Intestine during <i>Nippostrongylus brasiliensis</i> Infection. <i>Journal of Immunology</i> , 2005, 175, 2563-2569.                                       | 0.4 | 42        |
| 27 | Supplemental Dietary Inulin Influences Expression of Iron and Inflammation Related Genes in Young Pigs. <i>Journal of Nutrition</i> , 2009, 139, 2018-2023.  | 1.3 | 42        |
| 28 | Gene expression profiling in <i>Salmonella Choleraesuis</i> -infected porcine lung using a long oligonucleotide microarray. <i>Mammalian Genome</i> , 2006, 17, 777-789.   | 1.0 | 41        |
| 29 | Cinnamon Extract Attenuates TNF- $\alpha$ -induced Intestinal Lipoprotein ApoB48 Overproduction by Regulating Inflammatory, Insulin, and Lipoprotein Pathways in Enterocytes. <i>Hormone and Metabolic Research</i> , 2009, 41, 516-522. | 0.7 | 41        |
| 30 | Identification of key immune mediators regulating T helper 1 responses in swine. <i>Veterinary Immunology and Immunopathology</i> , 2004, 100, 105-111.  | 0.5 | 37        |
| 31 | Detection of <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> (Bb12) in the Intestine after Feeding of Sows and Their Piglets. <i>Applied and Environmental Microbiology</i> , 2008, 74, 6338-6347.                                  | 1.4 | 36        |
| 32 | Natural Killer Cell Dysfunction during Acute Infection with Foot-and-Mouth Disease Virus. <i>Vaccine Journal</i> , 2009, 16, 1738-1749.  | 3.2 | 36        |
| 33 | A Single Meal Containing Raw, Crushed Garlic Influences Expression of Immunity- and Cancer-Related Genes in Whole Blood of Humans. <i>Journal of Nutrition</i> , 2015, 145, 2448-2455.   | 1.3 | 36        |
| 34 | Cytokine Responses in Young and Old Rhesus Monkeys: Effect of Caloric Restriction. <i>Journal of Interferon and Cytokine Research</i> , 2002, 22, 565-571.   | 0.5 | 34        |
| 35 | Regulation of Hepatic Vitamin A Storage in a Rat Model of Controlled Vitamin A Status during Aging. <i>Journal of Nutrition</i> , 2000, 130, 1280-1286.  | 1.3 | 33        |
| 36 | Immune and inflammatory responses in pigs infected with <i>Trichuris suis</i> and <i>Oesophagostomum dentatum</i> . <i>Veterinary Parasitology</i> , 2015, 207, 249-258.   | 0.7 | 33        |

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|----|---|-----|-----------|
| 37 | Porcine cluster of differentiation (CD) markers 2018 update. <i>Research in Veterinary Science</i> , 2018, 118, 199-246.  | 0.9 | 31        |
| 38 | Pomegranate peel extract alters the microbiome in mice and dysbiosis caused by <i>Citrobacter rodentium</i> infection. <i>Food Science and Nutrition</i> , 2019, 7, 2565-2576.  | 1.5 | 30        |
| 39 | Impact of Micronutrients on the Immune Response of Animals. <i>Annual Review of Animal Biosciences</i> , 2018, 6, 227-254.  | 3.6 | 29        |
| 40 | Isolation and Characterization of a Microsomal Acid Retinyl Ester Hydrolase. <i>Journal of Biological Chemistry</i> , 2005, 280, 23287-23294.   | 1.6 | 27        |
| 41 | Langerhans cells in porcine skin. <i>Veterinary Immunology and Immunopathology</i> , 2008, 126, 236-247.  | 0.5 | 27        |
| 42 | Glutathione is required for efficient production of infectious picornavirus virions. <i>Virology</i> , 2006, 353, 258-267.  | 1.1 | 26        |
| 43 | <i>Bifidobacterium animalis</i> subspecies <i>lactis</i> modulates the local immune response and glucose uptake in the small intestine of juvenile pigs infected with the parasitic nematode <i>Ascaris suum</i> . <i>Gut Microbes</i> , 2018, 9, 1-15.   | 4.3 | 26        |
| 44 | The regulatory actions of retinoic acid on M2 polarization of porcine macrophages. <i>Developmental and Comparative Immunology</i> , 2019, 98, 20-33.   | 1.0 | 26        |
| 45 | Chronic Marginal Vitamin A Status Affects the Distribution and Function of T Cells and Natural T Cells in Aging Lewis Rats. <i>Journal of Nutrition</i> , 1999, 129, 1782-1790.   | 1.3 | 24        |
| 46 | Limited effect of recombinant porcine interleukin-12 on porcine lymphocytes due to a low level of IL-12 beta2 receptor. <i>Veterinary Immunology and Immunopathology</i> , 2002, 89, 133-148.   | 0.5 | 24        |
| 47 | Activation of Porcine Natural Killer Cells and Lysis of Foot-and-Mouth Disease Virus Infected Cells. <i>Journal of Interferon and Cytokine Research</i> , 2009, 29, 179-192.  | 0.5 | 23        |
| 48 | Treatment with Tumor Necrosis Factor- $\alpha$ and Granulocyte-Macrophage Colony-Stimulating Factor Increases Epidermal Langerhans' Cell Numbers in Cancer Patients. <i>Clinical Immunology</i> , 1999, 93, 209-221.  | 1.4 | 20        |
| 49 | Accessory-Cell-Mediated Activation of Porcine NK Cells by Toll-Like Receptor 7 (TLR7) and TLR8 Agonists. <i>Vaccine Journal</i> , 2009, 16, 866-878.  | 3.2 | 19        |
| 50 | Elevation of tumor necrosis factor- $\alpha$ induces the overproduction of postprandial intestinal apolipoprotein B48-containing very low-density lipoprotein particles: evidence for related gene expression of inflammatory, insulin and lipoprotein signaling in enterocytes. <i>Experimental Biology and Medicine</i> , 2010, 235, 199-205. | 1.1 | 18        |
| 51 | Animal Models for Influenza A Virus Infection Incorporating the Involvement of Innate Host Defenses: Enhanced Translational Value of the Porcine Model. <i>ILAR Journal</i> , 2018, 59, 323-337.  | 1.8 | 18        |
| 52 | Formula Diet Alters the Ileal Metagenome and Transcriptome at Weaning and during the Postweaning Period in a Porcine Model. <i>MSystems</i> , 2020, 5, .  | 1.7 | 18        |
| 53 | Age-related changes in cytokine production by leukocytes in rhesus monkeys. <i>Aging Clinical and Experimental Research</i> , 2001, 13, 85-94.  | 1.4 | 17        |
| 54 | Transcriptomic Profile of Whole Blood Cells from Elderly Subjects Fed Probiotic Bacteria <i>Lactobacillus rhamnosus</i> GG ATCC 53103 (LGG) in a Phase I Open Label Study. <i>PLoS ONE</i> , 2016, 11, e0147426.  | 1.1 | 16        |

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|----|---|-----|-----------|
| 55 | Characterization of porcine CD205. <i>Developmental and Comparative Immunology</i> , 2010, 34, 715-721.   | 1.0 | 14        |
| 56 | Garlic Influences Gene Expression In Vivo and In Vitro. <i>Journal of Nutrition</i> , 2016, 146, 444S-449S.   | 1.3 | 14        |
| 57 | Porcine cytokines, chemokines and growth factors: 2019 update. <i>Research in Veterinary Science</i> , 2020, 131, 266-300.  | 0.9 | 14        |
| 58 | Feeding probiotic <i>Lactobacillus paracasei</i> to Ossabaw pigs on a high-fat diet prevents cholesteryl-ester accumulation and LPS modulation of the Liver X receptor and inflammatory axis in alveolar macrophages. <i>Journal of Nutritional Biochemistry</i> , 2013, 24, 1931-1939.     | 1.9 | 11        |
| 59 | Potential of IL-4 Signaling by Retinoic Acid in Intestinal Epithelial Cells and Macrophages—Mechanisms and Targets. <i>Frontiers in Immunology</i> , 2020, 11, 605.   | 2.2 | 11        |
| 60 | Understanding the host-adapted state of <i>Citrobacter rodentium</i> by transcriptomic analysis. <i>Archives of Microbiology</i> , 2016, 198, 353-362.  | 1.0 | 10        |
| 61 | Molecular and metabolomic changes in the proximal colon of pigs infected with <i>Trichuris suis</i> . <i>Scientific Reports</i> , 2020, 10, 12853.  | 1.6 | 10        |
| 62 | Molecular cloning of the Swine IL-4 receptor $\beta$ and IL-13 receptor 1-chains: effects of experimental <i>Toxoplasma gondii</i> , <i>Ascaris suum</i> and <i>Trichuris suis</i> infections on tissue mRNA levels. <i>Veterinary Immunology and Immunopathology</i> , 2004, 101, 223-234. | 0.5 | 9         |
| 63 | Immortalization and characterization of lineage-restricted neuronal progenitor cells derived from the porcine olfactory bulb. <i>Journal of Neuroscience Methods</i> , 2008, 170, 262-276.  | 1.3 | 8         |
| 64 | Effect of hyperglycemia and nitric oxide synthase inhibition on heat tolerance and induction of heat shock protein 72 kDa in vivo. <i>American Surgeon</i> , 2003, 69, 587-92.  | 0.4 | 8         |
| 65 | Effect of Subcutaneous Glucose Sensor Implantation on Skin mRNA Expression in Pigs. <i>Diabetes Technology and Therapeutics</i> , 2010, 12, 791-799.  | 2.4 | 6         |
| 66 | Tissue-specific mechanisms of bile acid homeostasis and activation of FXR-FGF19 signaling in preterm and term neonatal pigs. <i>American Journal of Physiology - Renal Physiology</i> , 2022, 322, G117-G133.   | 1.6 | 5         |
| 67 | Resistant Potato Starch Alters the Cecal Microbiome and Gene Expression in Mice Fed a Western Diet Based on NHANES Data. <i>Frontiers in Nutrition</i> , 2022, 9, 782667.   | 1.6 | 5         |
| 68 | Follicular expression of a human $\lambda$ 2-cell leukaemia/lymphoma-2 (Bcl-2) transgene does not decrease atresia or increase ovulation rate in swine. <i>Reproduction, Fertility and Development</i> , 2005, 17, 457.   | 0.1 | 4         |
| 69 | Soy Formula Is Not Estrogenic and Does Not Result in Reproductive Toxicity in Male Piglets: Results from a Controlled Feeding Study. <i>Nutrients</i> , 2022, 14, 1126.   | 1.7 | 3         |
| 70 | Fruit and Vegetable Supplemented Diet Modulates the Pig Transcriptome and Microbiome after a Two-Week Feeding Intervention. <i>Nutrients</i> , 2021, 13, 4350.  | 1.7 | 3         |
| 71 | Colon transcriptome is modified by a dietary pattern/atorvastatin interaction in the Ossabaw pig. <i>Journal of Nutritional Biochemistry</i> , 2021, 90, 108570.  | 1.9 | 2         |
| 72 | Future of biomedical, agricultural, and biological systems research using domesticated animals. <i>Biology of Reproduction</i> , 2022, 106, 629-638.  | 1.2 | 2         |

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|----|---|-----|-----------|
| 73 | Up-regulation of PAR-1 and PAR-2 expression contributes to nematode-induced hypercontractility of murine intestinal smooth muscle. <i>Gastroenterology</i> , 2003, 124, A89.                                  | 0.6 | 1         |
| 74 | Transcriptome Profile and Cytogenetic Analysis of Immortalized Neuronally Restricted Progenitor Cells Derived from the Porcine Olfactory Bulb. <i>Animal Biotechnology</i> , 2009, 20, 186-215.               | 0.7 | 1         |
| 75 | Acute effects of all-trans-retinoic acid in ischemic injury. <i>Translational Neuroscience</i> , 2012, 3, .   | 0.7 | 1         |
| 76 | Blackberries decrease DNA damage after 3 h, but not after 6 d, in healthy adult volunteers. <i>FASEB Journal</i> , 2013, 27, 864.4.   | 0.2 | 1         |
| 77 | Enteral L-glutamine induced heat shock protein 72kDa (HSP-72) in diabetic rats in vivo. <i>Gastroenterology</i> , 2003, 124, A815.  | 0.6 | 0         |
| 78 | L-arginine improves heat tolerance in diabetic rats via induction of heat shock protein in vivo. <i>Gastroenterology</i> , 2003, 124, A262.   | 0.6 | 0         |
| 79 | Green tea increases the anti-inflammatory tristetraprolin and decreases the pro-inflammatory tumor necrosis factor mRNA levels in rats. <i>FASEB Journal</i> , 2007, 21, A165.                                | 0.2 | 0         |
| 80 | Generating a Natural Porcine Model of Gastrointestinal Food Allergy to Peanut. <i>FASEB Journal</i> , 2008, 22, 671.13.   | 0.2 | 0         |
| 81 | CD4+ CD25+ Foxp3+ Porcine Natural Regulatory T Cells Induced by Helminth Infection Display a Functionally Suppressive Immunomodulatory Phenotype. <i>FASEB Journal</i> , 2008, 22, 864.3.                     | 0.2 | 0         |
| 82 | Green tea improves carbohydrate and lipid metabolism and regulates cardiac mRNA expression related to insulin, lipid and inflammatory signaling pathways. <i>FASEB Journal</i> , 2009, 23, 717.25.            | 0.2 | 0         |
| 83 | Altered fasting human plasma metabolite profile associated with short-term blackberry feeding. <i>FASEB Journal</i> , 2012, 26, lb334.  | 0.2 | 0         |
| 84 | Measurement of the whole blood transcriptomic signatures in healthy elderly subjects fed the probiotic bacteria <i>Lactobacillus rhamnosus</i> GG ATCC 53103 (LGG). <i>FASEB Journal</i> , 2013, 27, 1079.64. | 0.2 | 0         |
| 85 | Garlic intake influences gene expression in whole blood. <i>FASEB Journal</i> , 2013, 27, 637.27.   | 0.2 | 0         |
| 86 | Interactions of all-trans retinoic acid and interleukin-4 in the development of alternatively activated lung macrophages. <i>FASEB Journal</i> , 2013, 27, 123.7.   | 0.2 | 0         |
| 87 | Nutritional and Immunological Lessons Learned from the Porcine Genome. <i>FASEB Journal</i> , 2013, 27, 643.6.  | 0.2 | 0         |