

Kelly S Swanson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/247854/publications.pdf>

Version: 2024-02-01

201
papers

11,922
citations

53939

47
h-index

36203

101
g-index

205
all docs

205
docs citations

205
times ranked

12700
citing authors

#	ARTICLE	IF	CITATIONS
1	The Prebiotic Potential of Inulin-Type Fructans: A Systematic Review. <i>Advances in Nutrition</i> , 2022, 13, 492-529.	2.9	56
2	Dextran-Mimetic Quantum Dots for Multimodal Macrophage Imaging <i>In Vivo</i> , <i>Ex Vivo</i> , and <i>In Situ</i> . <i>ACS Nano</i> , 2022, 16, 1999-2012.	7.3	17
3	Dietary supplementation with fiber, prebiotics, and spray-dried plasma affects apparent total tract macronutrient digestibility and the fecal characteristics, fecal microbiota, and immune function of adult dogs. <i>Journal of Animal Science</i> , 2022, 100, .	0.2	9
4	Palatability and apparent total tract macronutrient digestibility of retorted black soldier fly larvae-containing diets and their effects on the fecal characteristics of cats consuming them. <i>Journal of Animal Science</i> , 2022, 100, .	0.2	3
5	Effects of a high-protein, high-fiber diet rich in antioxidants and L-carnitine on body weight, body composition, metabolic status, and physical activity levels of cats after spay surgery. <i>Journal of Animal Science</i> , 2022, , .	0.2	1
6	Weight loss and high-protein, high-fiber diet consumption impact blood metabolite profiles, body composition, voluntary physical activity, fecal microbiota, and fecal metabolites of adult dogs. <i>Journal of Animal Science</i> , 2022, 100, .	0.2	13
7	Geographically diverse canid sampling provides novel insights into pre-industrial microbiomes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20220052.	1.2	3
8	Dietary Cholesterol Causes Inflammatory Imbalance and Exacerbates Morbidity in Mice Infected with Influenza A Virus. <i>Journal of Immunology</i> , 2022, 208, 2523-2539.	0.4	9
9	Oral microbiota populations of adult dogs consuming wet or dry foods. <i>Journal of Animal Science</i> , 2022, 100, .	0.2	2
10	Nanocarriers targeting adipose macrophages increase glucocorticoid anti-inflammatory potency to ameliorate metabolic dysfunction. <i>Biomaterials Science</i> , 2021, 9, 506-518.	2.6	12
11	Effect of a novel animal milk oligosaccharide biosimilar on macronutrient digestibility and gastrointestinal tolerance, fecal metabolites, and fecal microbiota of healthy adult cats. <i>Journal of Animal Science</i> , 2021, 99, .	0.2	1
12	Nutrient digestibility and fecal characteristics, microbiota, and metabolites in dogs fed human-grade foods. <i>Journal of Animal Science</i> , 2021, 99, .	0.2	22
13	3D microscopy and deep learning reveal the heterogeneity of crown-like structure microenvironments in intact adipose tissue. <i>Science Advances</i> , 2021, 7, .	4.7	31
14	Integrative analysis of DNA, macroscopic remains and stable isotopes of dog coprolites to reconstruct community diet. <i>Scientific Reports</i> , 2021, 11, 3113.	1.6	12
15	Development of a novel model of cholecystectomy in subsequently ovariectomized mice and characterization of metabolic and gastrointestinal phenotypes: a pilot study. <i>BMC Gastroenterology</i> , 2021, 21, 62.	0.8	1
16	Dental chews positively shift the oral microbiota of adult dogs. <i>Journal of Animal Science</i> , 2021, 99, .	0.2	9
17	Amino acid digestibility and digestible indispensable amino acid score-like values of black soldier fly larvae fed different forms and concentrations of calcium using the precision-fed cecectomized rooster assay. <i>Journal of Animal Science</i> , 2021, 99, .	0.2	4
18	Supplemental Fiber Affects Body Temperature and Fecal Metabolites but Not Respiratory Rate or Body Composition in Mid-Distance Training Sled Dogs. <i>Frontiers in Veterinary Science</i> , 2021, 8, 639335.	0.9	2

#	ARTICLE	IF	CITATIONS
19	Microbiota populations in supragingival plaque, subgingival plaque, and saliva habitats of adult dogs. <i>Animal Microbiome</i> , 2021, 3, 38.	1.5	13
20	Effects of Weight Loss and Moderate-Protein, High-Fiber Diet Consumption on the Fasted Serum Metabolome of Cats. <i>Metabolites</i> , 2021, 11, 324.	1.3	5
21	Physical Activity Patterns of Free Living Dogs Diagnosed with Osteoarthritis. <i>Journal of Animal Science</i> , 2021, 99, .	0.2	7
22	Shaping the Future of Probiotics and Prebiotics. <i>Trends in Microbiology</i> , 2021, 29, 667-685.	3.5	270
23	Effects of dietary macronutrient profile on apparent total tract macronutrient digestibility and fecal microbiota, fermentative metabolites, and bile acids of female dogs after spay surgery. <i>Journal of Animal Science</i> , 2021, 99, .	0.2	4
24	Effect of Dietary Inulin Supplementation on the Gut Microbiota Composition and Derived Metabolites of Individuals Undergoing Hemodialysis: A Pilot Study. , 2021, 31, 512-522.		29
25	Evaluation of a novel animal milk oligosaccharide biosimilar: macronutrient digestibility and gastrointestinal tolerance, fecal metabolites, and fecal microbiota of healthy adult dogs and in vitro genotoxicity assays. <i>Journal of Animal Science</i> , 2021, 99, .	0.2	4
26	Graded dietary resistant starch concentrations on apparent total tract macronutrient digestibility and fecal fermentative end products and microbial populations of healthy adult dogs. <i>Journal of Animal Science</i> , 2021, 99, .	0.2	9
27	Effects of oats on gastrointestinal health as assessed by in vitro, animal, and human studies. <i>Nutrition Reviews</i> , 2020, 78, 343-363.	2.6	12
28	The effect of midazolam or lidocaine administration prior to etomidate induction of anesthesia on heart rate, arterial pressure, intraocular pressure and serum cortisol concentration in healthy dogs. <i>Veterinary Anaesthesia and Analgesia</i> , 2020, 47, 160-167.	0.3	7
29	Multimodal Nanocarrier Probes Reveal Superior Biodistribution Quantification by Isotopic Analysis over Fluorescence. <i>ACS Nano</i> , 2020, 14, 509-523.	7.3	23
30	True nutrient and amino acid digestibility of dog foods made with human-grade ingredients using the precision-fed cecectomized rooster assay ¹ . <i>Translational Animal Science</i> , 2020, 4, 442-451.	0.4	15
31	Inclusion of the direct-fed microbial <i>Clostridium butyricum</i> in diets for weanling pigs increases growth performance and tends to increase villus height and crypt depth, but does not change intestinal microbial abundance. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	27
32	Nutrient and AA digestibility of black soldier fly larvae differing in age using the precision-fed cecectomized rooster assay ¹ . <i>Journal of Animal Science</i> , 2020, 98, .	0.2	35
33	Workshop report: Toward the development of a human whole stool reference material for metabolomic and metagenomic gut microbiome measurements. <i>Metabolomics</i> , 2020, 16, 119.	1.4	12
34	<i>Saccharomyces cerevisiae</i> Fermentation Product Did Not Attenuate Clinical Signs, but Psyllium Husk Has Protective Effects in a Murine Dextran Sulfate Sodium-Induced Colitis Model. <i>Current Developments in Nutrition</i> , 2020, 4, nzaa159.	0.1	3
35	Supplementation of Yeast Cell Wall Fraction Tends to Improve Intestinal Health in Adult Dogs Undergoing an Abrupt Diet Transition. <i>Frontiers in Veterinary Science</i> , 2020, 7, 597939.	0.9	11
36	A commercial grain-free diet does not decrease plasma amino acids and taurine status but increases bile acid excretion when fed to Labrador Retrievers. <i>Translational Animal Science</i> , 2020, 4, txaal141.	0.4	16

#	ARTICLE	IF	CITATIONS
37	An ambient temperature collection and stabilization strategy for canine microbiota studies. <i>Scientific Reports</i> , 2020, 10, 13383.	1.6	10
38	Assessment of commercial companion animal kefir products for label accuracy of microbial composition and quantity. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	9
39	Effect of a novel animal milk oligosaccharide biosimilar on the gut microbial communities and metabolites of in vitro incubations using feline and canine fecal inocula. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	7
40	Effects of novel dental chews on oral health outcomes and halitosis in adult dogs. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	10
41	The International Scientific Association for Probiotics and Prebiotics (ISAPP) consensus statement on the definition and scope of synbiotics. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2020, 17, 687-701.	8.2	826
42	Diet Influences the Oral Microbiota of Infants during the First Six Months of Life. <i>Nutrients</i> , 2020, 12, 3400.	1.7	25
43	Nutrition and nutraceuticals in the changing management of osteoarthritis for dogs and cats. <i>Journal of the American Veterinary Medical Association</i> , 2020, 256, 1335-1341.	0.2	25
44	Effects of diet on body weight, body composition, metabolic status, and physical activity levels of adult female dogs after spay surgery. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	9
45	Effects of different carbohydrate sources on taurine status in healthy Beagle dogs. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	22
46	Effect of fructans, prebiotics and fibres on the human gut microbiome assessed by 16S rRNA-based approaches: a review. <i>Beneficial Microbes</i> , 2020, 11, 101-129.	1.0	48
47	Effects of incremental exercise and dietary tryptophan supplementation on the amino acid metabolism, serotonin status, stool quality, fecal metabolites, and body composition of mid-distance training sled dogs. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	15
48	High-throughput glycomic analyses reveal unique oligosaccharide profiles of canine and feline milk samples. <i>PLoS ONE</i> , 2020, 15, e0243323.	1.1	14
49	Perspective: Physiologic Importance of Short-Chain Fatty Acids from Nondigestible Carbohydrate Fermentation. <i>Advances in Nutrition</i> , 2019, 10, 576-589.	2.9	141
50	Effects of a <i>Saccharomyces cerevisiae</i> fermentation product on fecal characteristics, nutrient digestibility, fecal fermentative end-products, fecal microbial populations, immune function, and diet palatability in adult dogs ¹ . <i>Journal of Animal Science</i> , 2019, 97, 1586-1599.	0.2	43
51	Gut Microbiota and Cardiometabolic Risk Factors in Hemodialysis Patients. <i>Topics in Clinical Nutrition</i> , 2019, 34, 153-160.	0.2	4
52	Chemical composition, true nutrient digestibility, and true metabolizable energy of chicken-based ingredients differing by processing method using the precision-fed cecectomized rooster assay ¹ . <i>Journal of Animal Science</i> , 2019, 97, 998-1009.	0.2	22
53	Cholestyramine decreases apparent total tract macronutrient digestibility and alters fecal characteristics and metabolites of healthy adult dogs ¹ . <i>Journal of Animal Science</i> , 2019, 97, 1020-1026.	0.2	7
54	Behavioral response to fiber feeding is cohort-dependent and associated with gut microbiota composition in mice. <i>Behavioural Brain Research</i> , 2019, 359, 731-736.	1.2	10

#	ARTICLE	IF	CITATIONS
55	Broccoli consumption affects the human gastrointestinal microbiota. <i>Journal of Nutritional Biochemistry</i> , 2019, 63, 27-34.	1.9	98
56	245 Effects of dietary macronutrient content on fecal microbiota populations and metabolite concentrations of healthy adult dogs. <i>Journal of Animal Science</i> , 2019, 97, 61-62.	0.2	1
57	The Gastrointestinal Microbiome: A Review. <i>Journal of Veterinary Internal Medicine</i> , 2018, 32, 9-25.	0.6	433
58	Longitudinal changes in blood metabolites, amino acid profile, and oxidative stress markers in American Foxhounds fed a nutrient-fortified diet. <i>Journal of Animal Science</i> , 2018, 96, 930-940.	0.2	5
59	Effect of Road Transport on the Equine Cecal Microbiota. <i>Journal of Equine Veterinary Science</i> , 2018, 68, 12-20.	0.4	19
60	Effects of weight loss with a moderate-protein, high-fiber diet on body composition, voluntary physical activity, and fecal microbiota of obese cats. <i>American Journal of Veterinary Research</i> , 2018, 79, 181-190.	0.3	25
61	Walnut Consumption Alters the Gastrointestinal Microbiota, Microbially Derived Secondary Bile Acids, and Health Markers in Healthy Adults: A Randomized Controlled Trial. <i>Journal of Nutrition</i> , 2018, 148, 861-867.	1.3	118
62	Soy-Induced Fecal Metabolome Changes in Ovariectomized and Intact Female Rats: Relationship with Cardiometabolic Health. <i>Scientific Reports</i> , 2018, 8, 16896.	1.6	19
63	Effects of prebiotic inulin-type fructans on blood metabolite and hormone concentrations and faecal microbiota and metabolites in overweight dogs. <i>British Journal of Nutrition</i> , 2018, 120, 711-720.	1.2	46
64	Comparison of Channel Catfish and Blue Catfish Gut Microbiota Assemblages Shows Minimal Effects of Host Genetics on Microbial Structure and Inferred Function. <i>Frontiers in Microbiology</i> , 2018, 9, 1073.	1.5	36
65	Almond Consumption and Processing Affects the Composition of the Gastrointestinal Microbiota of Healthy Adult Men and Women: A Randomized Controlled Trial. <i>Nutrients</i> , 2018, 10, 126.	1.7	86
66	Apparent total-tract macronutrient digestibility, serum chemistry, urinalysis, and fecal characteristics, metabolites and microbiota of adult dogs fed extruded, mildly cooked, and raw diets ¹ . <i>Journal of Animal Science</i> , 2018, 96, 3670-3683.	0.2	37
67	Effects of Feeding Management on the Equine Cecal Microbiota. <i>Journal of Equine Veterinary Science</i> , 2017, 49, 113-121.	0.4	58
68	Physical activity level of female and male adult cats before and after running wheel habituation. <i>Journal of Nutritional Science</i> , 2017, 6, e17.	0.7	2
69	Expert consensus document: The International Scientific Association for Probiotics and Prebiotics (ISAPP) consensus statement on the definition and scope of prebiotics. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2017, 14, 491-502.	8.2	3,192
70	Soy Improves Cardiometabolic Health and Cecal Microbiota in Female Low-Fit Rats. <i>Scientific Reports</i> , 2017, 7, 9261.	1.6	43
71	Effects of dietary calcium fructoborate supplementation on joint comfort and flexibility and serum inflammatory markers in dogs with osteoarthritis. <i>Journal of Animal Science</i> , 2017, 95, 2907.	0.2	7
72	Chemical composition, true nutrient digestibility, and true metabolizable energy of novel pet food protein sources using the precision-fed cecectomized rooster assay. <i>Journal of Animal Science</i> , 2016, 94, 3335-3342.	0.2	19

#	ARTICLE	IF	CITATIONS
73	Compositional Analysis of Whole Grains, Processed Grains, Grain Co-Products, and Other Carbohydrate Sources with Applicability to Pet Animal Nutrition. <i>Foods</i> , 2016, 5, 23.	1.9	51
74	ESTIMATED COMPOSITION OF DIETS FED TO CAPTIVE BLACK-AND-WHITE RUFFED LEMURS (<i>VARECIA</i>) Tj ETQq0 0 0 rgBT /Overlock 1 150-160.	0.3	4
75	Apparent total tract macronutrient digestibility, fecal characteristics, and fecal fermentative end-product concentrations of healthy adult dogs fed bioprocessed soy protein1. <i>Journal of Animal Science</i> , 2016, 94, 3826-3834.	0.2	8
76	Comparison of Diet versus Exercise on Metabolic Function and Gut Microbiota in Obese Rats. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 1688-1698.	0.2	97
77	Nondigestible Fructans Alter Gastrointestinal Barrier Function, Gene Expression, Histomorphology, and the Microbiota Profiles of Diet-Induced Obese C57BL/6J Mice. <i>Journal of Nutrition</i> , 2016, 146, 949-956.	1.3	62
78	From the Editor: Gut microbiota, diet, and health: Application to livestock and companion animals. <i>Animal Frontiers</i> , 2016, 6, 4-7.	0.8	14
79	Efficient Targeting of Adipose Tissue Macrophages in Obesity with Polysaccharide Nanocarriers. <i>ACS Nano</i> , 2016, 10, 6952-6962.	7.3	82
80	In Vitro Fermentation of Xylooligosaccharides Produced from <i>Miscanthus</i> — <i>giganteus</i> by Human Fecal Microbiota. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 262-267.	2.4	25
81	Innovations in Canine and Feline Nutrition: Technologies for Food and Nutrition Assessment. <i>Annual Review of Animal Biosciences</i> , 2016, 4, 311-333.	3.6	11
82	Ontogenetic Characterization of the Intestinal Microbiota of Channel Catfish through 16S rRNA Gene Sequencing Reveals Insights on Temporal Shifts and the Influence of Environmental Microbes. <i>PLoS ONE</i> , 2016, 11, e0166379.	1.1	102
83	Metabolic Profiling Reveals Effects of Age, Sexual Development and Neutering in Plasma of Young Male Cats. <i>PLoS ONE</i> , 2016, 11, e0168144.	1.1	12
84	Dietary rice bran supplementation prevents <i>Salmonella</i> colonization differentially across varieties and by priming intestinal immunity. <i>Journal of Functional Foods</i> , 2015, 18, 653-664.	1.6	29
85	COMPANION ANIMALS SYMPOSIUM: Future aspects and perceptions of companion animal nutrition and sustainability. <i>Journal of Animal Science</i> , 2015, 93, 823.	0.2	21
86	Prebiotic Effects and Fermentation Kinetics of Wheat Dextrin and Partially Hydrolyzed Guar Gum in an In Vitro Batch Fermentation System. <i>Foods</i> , 2015, 4, 349-358.	1.9	26
87	Feeding frequency, but not dietary water content, affects voluntary physical activity in young lean adult female cats. <i>Journal of Animal Science</i> , 2015, 93, 2597-2601.	0.2	12
88	Evaluation of soluble corn fiber on chemical composition and nitrogen-corrected true metabolizable energy and its effects on in vitro fermentation and in vivo responses in dogs. <i>Journal of Animal Science</i> , 2015, 93, 2191-2200.	0.2	9
89	Physical Activity Differentially Affects the Cecal Microbiota of Ovariectomized Female Rats Selectively Bred for High and Low Aerobic Capacity. <i>PLoS ONE</i> , 2015, 10, e0136150.	1.1	64
90	A Longitudinal Study of the Feline Faecal Microbiome Identifies Changes into Early Adulthood Irrespective of Sexual Development. <i>PLoS ONE</i> , 2015, 10, e0144881.	1.1	54

#	ARTICLE	IF	CITATIONS
91	Gut microbiota of humans, dogs and cats: current knowledge and future opportunities and challenges. <i>British Journal of Nutrition</i> , 2015, 113, S6-S17.	1.2	156
92	Modulation of the faecal microbiome of healthy adult dogs by inclusion of potato fibre in the diet. <i>British Journal of Nutrition</i> , 2015, 113, 125-133.	1.2	99
93	Agave Inulin Supplementation Affects the Fecal Microbiota of Healthy Adults Participating in a Randomized, Double-Blind, Placebo-Controlled, Crossover Trial. <i>Journal of Nutrition</i> , 2015, 145, 2025-2032.	1.3	109
94	Procoagulant phospholipid concentration in canine erythrocyte concentrates stored with or without prestorage leukoreduction. <i>American Journal of Veterinary Research</i> , 2015, 76, 35-41.	0.3	8
95	Iron metabolism following intravenous transfusion with stored versus fresh autologous erythrocyte concentrate in healthy dogs. <i>American Journal of Veterinary Research</i> , 2015, 76, 996-1004.	0.3	7
96	Fiber supplementation influences phylogenetic structure and functional capacity of the human intestinal microbiome: follow-up of a randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2015, 101, 55-64.	2.2	130
97	In vitro fermentation characteristics of novel fibers, coconut endosperm fiber and chicory pulp, using canine fecal inoculum. <i>Journal of Animal Science</i> , 2015, 93, 370-376.	0.2	10
98	Plasma Metabolite Profiling and Search for Biomarkers of Metabolic Dysfunction in Dogs Undergoing Rapid Weight Gain. <i>Current Metabolomics</i> , 2015, 3, 102-121.	0.5	7
99	Deep Illumina-Based Shotgun Sequencing Reveals Dietary Effects on the Structure and Function of the Fecal Microbiome of Growing Kittens. <i>PLoS ONE</i> , 2014, 9, e101021.	1.1	45
100	Alterations in Ileal Mucosa Bacteria Related to Diet Complexity and Growth Performance in Young Pigs. <i>PLoS ONE</i> , 2014, 9, e108472.	1.1	26
101	In vitro hydrolytic digestion, glycemic response in dogs, and true metabolizable energy content of soluble corn fibers. <i>Journal of Animal Science</i> , 2014, 92, 2447-2457.	0.2	7
102	Apparent total tract energy and macronutrient digestibility of one- to three-day-old, adult ground, extruded, and canned chicken-based diets in domestic cats (<i>Felis silvestris catus</i>). <i>Journal of Animal Science</i> , 2014, 92, 3441-3448.	0.2	7
103	Acute changes in blood metabolites and amino acid profile post-exercise in Foxhound dogs fed a high endurance formula. <i>Journal of Nutritional Science</i> , 2014, 3, e33.	0.7	12
104	In vitro hypercoagulability on whole blood thromboelastometry associated with in vivo reduction of circulating red cell mass in dogs. <i>Veterinary Clinical Pathology</i> , 2014, 43, 154-163.	0.3	26
105	Cytokine concentration in stored canine erythrocyte concentrates. <i>Journal of Veterinary Emergency and Critical Care</i> , 2014, 24, 259-263.	0.4	35
106	Effect of photoperiod on the feline adipose transcriptome as assessed by RNA sequencing. <i>BMC Veterinary Research</i> , 2014, 10, 146.	0.7	4
107	Effects of dietary macronutrient composition on the fasted plasma metabolome of healthy adult cats. <i>Metabolomics</i> , 2014, 10, 638-650.	1.4	19
108	Effects of photoperiod on food intake, activity and metabolic rate in adult neutered male cats. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2014, 98, 958-967.	1.0	11

#	ARTICLE	IF	CITATIONS
109	Gastrointestinal tolerance and utilization of agave inulin by healthy adults. <i>Food and Function</i> , 2014, 5, 1142.	2.1	34
110	Commercially available avian and mammalian whole prey diet items targeted for consumption by managed exotic and domestic pet felines: Macronutrient, mineral, and long-chain fatty acid composition. <i>Zoo Biology</i> , 2014, 33, 327-335.	0.5	10
111	Commercially available avian and mammalian whole prey diet items targeted for consumption by managed exotic and domestic pet felines: True metabolizable energy and amino acid digestibility using the precision-fed cecectomized rooster assay. <i>Journal of Animal Science</i> , 2014, 92, 4478-4485.	0.2	13
112	Effects of feeding frequency and dietary water content on voluntary physical activity in healthy adult cats. <i>Journal of Animal Science</i> , 2014, 92, 1271-1277.	0.2	26
113	The effects of feeding resistant starch on apparent total tract macronutrient digestibility, faecal characteristics and faecal fermentative end-products in healthy adult dogs. <i>Journal of Nutritional Science</i> , 2014, 3, e38.	0.7	13
114	Terrestrial Vertebrate Animal Metagenomics, Domesticated Canidae. , 2014, , 1-20.		0
115	Soluble Fiber Dextrin and Soluble Corn Fiber Supplementation Modify Indices of Health in Cecum and Colon of Sprague-Dawley Rats. <i>Nutrients</i> , 2013, 5, 396-410.	1.7	32
116	Effects of a synbiotic on fecal quality, short-chain fatty acid concentrations, and the microbiome of healthy sled dogs. <i>BMC Veterinary Research</i> , 2013, 9, 246.	0.7	59
117	Influence of dietary fiber type and amount on energy and nutrient digestibility, fecal characteristics, and fecal fermentative end-product concentrations in captive exotic felids fed a raw beef-based diet. <i>Journal of Animal Science</i> , 2013, 91, 2199-2210.	0.2	19
118	Fecal microbial communities of healthy adult dogs fed raw meat-based diets with or without inulin or yeast cell wall extracts as assessed by 454 pyrosequencing. <i>FEMS Microbiology Ecology</i> , 2013, 84, 532-541.	1.3	118
119	Evaluation of four raw meat diets using domestic cats, captive exotic felids, and cecectomized roosters. <i>Journal of Animal Science</i> , 2013, 91, 225-237.	0.2	32
120	COMPANION ANIMALS SYMPOSIUM: Nutrigenomics: Using gene expression and molecular biology data to understand pet obesity1. <i>Journal of Animal Science</i> , 2013, 91, 2949-2964.	0.2	26
121	Effects of dietary macronutrient composition and feeding frequency on fasting and postprandial hormone response in domestic cats. <i>Journal of Nutritional Science</i> , 2013, 2, e36.	0.7	9
122	Dietary fibre fermentability but not viscosity elicited the "second-meal effect"™ in healthy adult dogs. <i>British Journal of Nutrition</i> , 2013, 110, 960-968.	1.2	6
123	Nutritional Sustainability of Pet Foods. <i>Advances in Nutrition</i> , 2013, 4, 141-150.	2.9	70
124	Blending of soluble corn fiber with pullulan, sorbitol, or fructose attenuates glycemic and insulinemic responses in the dog and affects hydrolytic digestion in vitro. <i>Journal of Animal Science</i> , 2013, 91, 3796-3806.	0.2	3
125	Faecal microbiota in lean and obese dogs. <i>FEMS Microbiology Ecology</i> , 2013, 84, 332-343.	1.3	103
126	Subcutaneous and gonadal adipose tissue transcriptome differences in lean and obese female dogs. <i>Animal Genetics</i> , 2013, 44, 728-735.	0.6	4

#	ARTICLE	IF	CITATIONS
127	Dietary format alters fecal bacterial populations in the domestic cat (<i>Felis catus</i>). <i>MicrobiologyOpen</i> , 2013, 2, 173-181.	1.2	64
128	Skeletal muscle tissue transcriptome differences in lean and obese female beagle dogs. <i>Animal Genetics</i> , 2013, 44, 560-568.	0.6	7
129	Microparticles in stored canine RBC concentrates. <i>Veterinary Clinical Pathology</i> , 2013, 42, 163-169.	0.3	44
130	Apparent total tract macronutrient and energy digestibility of 1- to- 3-day-old whole chicks, adult ground chicken, and extruded and canned chicken-based diets in African wildcats (<i>Felis silvestris</i>)	0.0	0
131	The gut microbiome of kittens is affected by dietary protein:carbohydrate ratio and associated with blood metabolite and hormone concentrations. <i>British Journal of Nutrition</i> , 2013, 109, 1637-1646.	1.2	103
132	Potato fiber as a dietary fiber source in dog foods. <i>Journal of Animal Science</i> , 2013, 91, 5344-5352.	0.2	34
133	Effects of Dietary Cooked Navy Bean on the Fecal Microbiome of Healthy Companion Dogs. <i>PLoS ONE</i> , 2013, 8, e74998.	1.1	34
134	Post-Weaning Diet Affects Faecal Microbial Composition but Not Selected Adipose Gene Expression in the Cat (<i>Felis catus</i>). <i>PLoS ONE</i> , 2013, 8, e80992.	1.1	19
135	2011 AND 2012 EARLY CAREERS ACHIEVEMENT AWARDS: Use of genomic biology to study companion animal intestinal microbiota. <i>Journal of Animal Science</i> , 2013, 91, 2504-2511.	0.2	11
136	Apparent total tract energy and macronutrient digestibility and fecal fermentative end-product concentrations of domestic cats fed extruded, raw beef-based, and cooked beef-based diets. <i>Journal of Animal Science</i> , 2012, 90, 515-522.	0.2	45
137	Feline gastrointestinal microbiota. <i>Animal Health Research Reviews</i> , 2012, 13, 64-77.	1.4	38
138	Effects of inulin or yeast cell-wall extract on nutrient digestibility, fecal fermentative end-product concentrations, and blood metabolite concentrations in adult dogs fed raw meat-based diets. <i>American Journal of Veterinary Research</i> , 2012, 73, 1016-1023.	0.3	25
139	454 Pyrosequencing Reveals a Shift in Fecal Microbiota of Healthy Adult Men Consuming Polydextrose or Soluble Corn Fiber. <i>Journal of Nutrition</i> , 2012, 142, 1259-1265.	1.3	226
140	Acute satiety response of mammalian, avian and fish proteins in dogs. <i>British Journal of Nutrition</i> , 2012, 107, 146-154.	1.2	7
141	Effects of feeding polydextrose on faecal characteristics, microbiota and fermentative end products in healthy adult dogs. <i>British Journal of Nutrition</i> , 2012, 108, 638-644.	1.2	25
142	Current state of knowledge: the canine gastrointestinal microbiome. <i>Animal Health Research Reviews</i> , 2012, 13, 78-88.	1.4	72
143	Effects of Dietary Fiber on the Feline Gastrointestinal Metagenome. <i>Journal of Proteome Research</i> , 2012, 11, 5924-5933.	1.8	79
144	Prebiotic Impacts on Companion Animals. , 2012, , 213-236.		6

#	ARTICLE	IF	CITATIONS
145	In vitro digestibility of expanded pork skin and rawhide chews, and digestion and metabolic characteristics of expanded pork skin chews in healthy adult dogs ¹ . <i>Journal of Animal Science</i> , 2012, 90, 4355-4361.	0.2	7
146	Serum metabolites, ghrelin and leptin are modified by age and/or diet in weanling kittens fed either a high- or moderate-protein diet. <i>Animal Science Journal</i> , 2012, 83, 426-433.	0.6	8
147	Phylogenetic and gene-centric metagenomics of the canine intestinal microbiome reveals similarities with humans and mice. <i>ISME Journal</i> , 2011, 5, 639-649.	4.4	292
148	Evaluation of S-Adenosyl Methionine in a Double-Blinded, Randomized, Placebo-Controlled, Clinical Trial for Treatment of Presumptive Osteoarthritis in the Dog. <i>Veterinary Surgery</i> , 2011, 40, 228-232.	0.5	17
149	Nitrogen metabolism of four raw meat diets in domestic cats. <i>British Journal of Nutrition</i> , 2011, 106, S174-S177.	1.2	8
150	Physical activity level of adult cats with varied feeding frequency. <i>British Journal of Nutrition</i> , 2011, 106, S166-S169.	1.2	9
151	Digestive physiological outcomes related to polydextrose and soluble maize fibre consumption by healthy adult men. <i>British Journal of Nutrition</i> , 2011, 106, 1864-1871.	1.2	74
152	Adaptation of healthy adult cats to select dietary fibers in vivo affects gas and short-chain fatty acid production from fiber fermentation in vitro. <i>Journal of Animal Science</i> , 2011, 89, 3163-3169.	0.2	23
153	Adipose tissue transcriptome changes during obesity development in female dogs. <i>Physiological Genomics</i> , 2011, 43, 295-307.	1.0	50
154	COMPANION ANIMALS SYMPOSIUM: Role of microbes in canine and feline health ¹ . <i>Journal of Animal Science</i> , 2011, 89, 1498-1505.	0.2	22
155	Comparative Analysis of Salivary Bacterial Microbiome Diversity in Edentulous Infants and Their Mothers or Primary Care Givers Using Pyrosequencing. <i>PLoS ONE</i> , 2011, 6, e23503.	1.1	128
156	Evaluation of nutrient digestibility and fecal characteristics of exotic felids fed horse- or beef-based diets: use of the domestic cat as a model for exotic felids. <i>Zoo Biology</i> , 2010, 29, 432-448.	0.5	30
157	Influence of feeding raw or extruded feline diets on nutrient digestibility and nitrogen metabolism of African wildcats (<i>Felis lybica</i>). <i>Zoo Biology</i> , 2010, 29, 676-686.	0.5	24
158	Dietary macronutrients and feeding frequency affect fasting and postprandial concentrations of hormones involved in appetite regulation in adult dogs. <i>Journal of Animal Science</i> , 2010, 88, 3945-3953.	0.2	13
159	Protein digestibility evaluations of meat and fish substrates using laboratory, avian, and ileally cannulated dog assays ¹ . <i>Journal of Animal Science</i> , 2010, 88, 1421-1432.	0.2	47
160	Dietary cellulose, fructooligosaccharides, and pectin modify fecal protein catabolites and microbial populations in adult cats. <i>Journal of Animal Science</i> , 2010, 88, 2978-2987.	0.2	96
161	Gene Expression Profiles of Colonic Mucosa in Healthy Young Adult and Senior Dogs. <i>PLoS ONE</i> , 2010, 5, e12882.	1.1	10
162	Phylogenetic Characterization of Fecal Microbial Communities of Dogs Fed Diets with or without Supplemental Dietary Fiber Using 454 Pyrosequencing. <i>PLoS ONE</i> , 2010, 5, e9768.	1.1	223

#	ARTICLE	IF	CITATIONS
163	Soluble Fiber Dextrins and Pullulans Vary in Extent of Hydrolytic Digestion in Vitro and in Energy Value and Attenuate Glycemic and Insulinemic Responses in Dogs. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 11355-11363.	2.4	16
164	Endocrinology of Obesity. <i>Veterinary Clinics of North America - Small Animal Practice</i> , 2010, 40, 205-219.	0.5	25
165	Effect of Leukoreduction on Transfusion-Induced Inflammation in Dogs. <i>Journal of Veterinary Internal Medicine</i> , 2010, 24, 1131-1137.	0.6	81
166	Age and Diet Affect Gene Expression Profiles in Canine Liver Tissue. <i>PLoS ONE</i> , 2010, 5, e13319.	1.1	19
167	Low-level fructan supplementation of dogs enhances nutrient digestion and modifies stool metabolite concentrations, but does not alter fecal microbiota populations. <i>Journal of Animal Science</i> , 2009, 87, 3244-3252.	0.2	40
168	Age and Diet Affect Gene Expression Profile in Canine Skeletal Muscle. <i>PLoS ONE</i> , 2009, 4, e4481.	1.1	20
169	Faecal microbial populations of growing kittens fed high- or moderate-protein diets. <i>Archives of Animal Nutrition</i> , 2009, 63, 254-265.	0.9	22
170	Dietary protein concentration affects intestinal microbiota of adult cats: a study using DGGE and qPCR to evaluate differences in microbial populations in the feline gastrointestinal tract. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2009, 93, 113-121.	1.0	100
171	Fish protein substrates can substitute effectively for poultry by-product meal when incorporated in high-quality senior dog diets. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2009, 93, 447-455.	1.0	8
172	Implications of age and diet on canine cerebral cortex transcription. <i>Neurobiology of Aging</i> , 2009, 30, 1314-1326.	1.5	37
173	Carbohydrates blended with polydextrose lower gas production and short-chain fatty acid production in an in vitro system. <i>Nutrition Research</i> , 2009, 29, 631-639.	1.3	25
174	In Vitro Fermentation Profiles, Gas Production Rates, and Microbiota Modulation as Affected by Certain Fructans, Galactooligosaccharides, and Polydextrose. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 1354-1361.	2.4	156
175	Adipose tissue gene expression profiles of healthy young adult and geriatric dogs. <i>Archives of Animal Nutrition</i> , 2009, 63, 160-171.	0.9	16
176	<i>In utero</i> and postnatal exposure to a high-protein or high-carbohydrate diet leads to differences in adipose tissue mRNA expression and blood metabolites in kittens. <i>British Journal of Nutrition</i> , 2009, 102, 1136-1144.	1.2	20
177	Impact of ovariectomy and food intake on body composition, physical activity, and adipose gene expression in cats. <i>Journal of Animal Science</i> , 2009, 87, 594-602.	0.2	67
178	Nutrient digestibility and fecal characteristics are different among captive exotic felids fed a beef-based raw diet. <i>Zoo Biology</i> , 2008, 27, 126-136.	0.5	42
179	Using genomic biology to study liver metabolism*. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2008, 92, 246-252.	1.0	8
180	Physiological Responses to Novel Carbohydrates as Assessed Using Canine and Avian Models. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 7999-8006.	2.4	32

#	ARTICLE	IF	CITATIONS
181	In Vitro Digestion Characteristics of Unprocessed and Processed Whole Grains and Their Components. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 10721-10726.	2.4	52
182	A Novel Resistant Maltodextrin Alters Gastrointestinal Tolerance Factors, Fecal Characteristics, and Fecal Microbiota in Healthy Adult Humans. <i>Journal of the American College of Nutrition</i> , 2008, 27, 356-366.	1.1	65
183	Age-Related Changes in Nutrient Utilization by Companion Animals. <i>Annual Review of Nutrition</i> , 2008, 28, 425-445.	4.3	42
184	Short-Chain Fructooligosaccharides Influence Insulin Sensitivity and Gene Expression of Fat Tissue in Obese Dogs. <i>Journal of Nutrition</i> , 2008, 138, 1712-1718.	1.3	52
185	Indicators of Zinc Status of Weanling Puppies Are Affected by Zinc Dietary Concentration. <i>The Professional Animal Scientist</i> , 2007, 23, 448-453.	0.7	1
186	Fructan Supplementation and Infection Affect Food Intake, Fever, and Epithelial Sloughing from Salmonella Challenge in Weanling Puppies. <i>Journal of Nutrition</i> , 2007, 137, 1923-1930.	1.3	38
187	Nutrient-gene interactions and their role in complex diseases in dogs. <i>Journal of the American Veterinary Medical Association</i> , 2006, 228, 1513-1520.	0.2	5
188	Canine Nutritional Model: Influence of Age, Diet, and Genetics on Health and Well-Being. <i>Current Nutrition and Food Science</i> , 2006, 2, 115-126.	0.3	7
189	Twists and turns in the development and maintenance of the mammalian small intestine epithelium. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2005, 75, 58-71.	3.6	22
190	Diet and Age Affect Intestinal Morphology and Large Bowel Fermentative End-Product Concentrations in Senior and Young Adult Dogs. <i>Journal of Nutrition</i> , 2005, 135, 1940-1945.	1.3	47
191	Creating Porcine Biomedical Models Through Recombineering. <i>Comparative and Functional Genomics</i> , 2004, 5, 262-267.	2.0	7
192	Genomics and Clinical Medicine: Rationale for Creating and Effectively Evaluating Animal Models. <i>Experimental Biology and Medicine</i> , 2004, 229, 866-875.	1.1	39
193	Nutritional Genomics: Implications for Companion Animals. <i>Journal of Nutrition</i> , 2003, 133, 3033-3040.	1.3	18
194	Effects of Supplemental Fructooligosaccharides Plus Mannanooligosaccharides on Immune Function and Ileal and Fecal Microbial Populations in Adult Dogs. <i>Archiv Fur Tierernahrung</i> , 2002, 56, 309-318.	0.3	33
195	Effects of Supplemental Fructooligosaccharides and Mannanooligosaccharides on Colonic Microbial Populations, Immune Function and Fecal Odor Components in the Canine. <i>Journal of Nutrition</i> , 2002, 132, 1717S-1719S.	1.3	32
196	Supplemental Fructooligosaccharides and Mannanooligosaccharides Influence Immune Function, Ileal and Total Tract Nutrient Digestibilities, Microbial Populations and Concentrations of Protein Catabolites in the Large Bowel of Dogs. <i>Journal of Nutrition</i> , 2002, 132, 980-989.	1.3	240
197	Fructooligosaccharides and <i>Lactobacillus acidophilus</i> Modify Bowel Function and Protein Catabolites Excreted by Healthy Humans. <i>Journal of Nutrition</i> , 2002, 132, 3042-3050.	1.3	66
198	Fructooligosaccharides and <i>Lactobacillus acidophilus</i> Modify Gut Microbial Populations, Total Tract Nutrient Digestibilities and Fecal Protein Catabolite Concentrations in Healthy Adult Dogs. <i>Journal of Nutrition</i> , 2002, 132, 3721-3731.	1.3	155

#	ARTICLE	IF	CITATIONS
199	Fruit and vegetable fiber fermentation by gut microflora from canines.. Journal of Animal Science, 2001, 79, 919.	0.2	54
200	Technical note: a technique for multiple liver biopsies in neonatal calves.. Journal of Animal Science, 2000, 78, 2459.	0.2	25
201	Influence of Dietary Vitamin A Content on Serum and Liver Vitamin A Concentrations and Health in Preruminant Holstein Calves Fed Milk Replacer,. Journal of Dairy Science, 2000, 83, 2027-2036.	1.4	23