

Anna Kate Shoveller

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

72
papers

774
citations

14
h-index

26
g-index

84
ext. papers

993
ext. citations

2.3
avg, IF

4.11
L-index

#	Paper	IF	Citations
72	Dietary choline in gonadectomized kittens improved food intake and body composition but not satiety, serum lipids, or energy expenditure.. <i>PLoS ONE</i> , 2022 , 17, e0264321	3.7	0
71	Short communication: the effects of a semi-synthetic diet with inclusion of black soldier fly larvae meal on health parameters of healthy adult cats. <i>Journal of Animal Science</i> , 2021 , 99,	0.7	0
70	Examining the Effects of Diet Composition, Soluble Fiber, and Species on Total Fecal Excretion of Bile Acids: A Meta-Analysis. <i>Frontiers in Veterinary Science</i> , 2021 , 8, 748803	3.1	2
69	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	3.1	1
68	Grains on the brain: A survey of dog owner purchasing habits related to grain-free dry dog foods. <i>PLoS ONE</i> , 2021 , 16, e0250806	3.7	2
67	Changes in Behaviour and Voluntary Physical Activity Exhibited by Sled Dogs throughout Incremental Exercise Conditioning and Intermittent Rest Days. <i>Animals</i> , 2021 , 11,	3.1	2
66	Tail-Biting in Pigs: A Scoping Review. <i>Animals</i> , 2021 , 11,	3.1	1
65	Fatty Acid Profiles of Serum Lipid Fractions Change Minimally in Sled Dogs Before and After Short Bouts of Exercise. <i>Frontiers in Veterinary Science</i> , 2021 , 8, 704770	3.1	
64	A Comparison of Key Essential Nutrients in Commercial Plant-Based Pet Foods Sold in Canada to American and European Canine and Feline Dietary Recommendations. <i>Animals</i> , 2021 , 11,	3.1	3
63	Safety of Dietary Camelina Oil Supplementation in Healthy, Adult Dogs. <i>Animals</i> , 2021 , 11,	3.1	1
62	The effect of reduced dietary glycine and serine and supplemental threonine on growth performance, protein deposition in carcass and viscera, and skin collagen abundance of nursery pigs fed low crude protein diets. <i>Journal of Animal Science</i> , 2020 , 98,	0.7	1
61	Adult dogs of different breed sizes have similar threonine requirements as determined by the indicator amino acid oxidation technique. <i>Journal of Animal Science</i> , 2020 , 98,	0.7	2
60	The effect of supplementing glycine and serine to a low crude protein diet on growth and skin collagen abundance of nursery pigs ¹ . <i>Journal of Animal Science</i> , 2020 , 98,	0.7	2
59	169 Standardized ileal digestible amino acids and net energy contents in full fat and defatted black soldier fly larvae meals (<i>Hermetia illucens</i>) fed to growing pigs. <i>Journal of Animal Science</i> , 2020 , 98, 63-63	0.7	
58	Complete replacement of soybean meal with defatted black soldier fly larvae meal in Shaver White hens feeding program (28-43 wks of age): impact on egg production, egg quality, organ weight, and apparent retention of components. <i>Poultry Science</i> , 2020 , 99, 959-965	3.9	16
57	Lysine requirements in small, medium, and large breed adult dogs using the indicator amino acid oxidation technique. <i>Translational Animal Science</i> , 2020 , 4, txaa082	1.4	1
56	Minimum dietary methionine requirements in Miniature Dachshund, Beagle, and Labrador Retriever adult dogs using the indicator amino acid oxidation technique. <i>Journal of Animal Science</i> , 2020 , 98,	0.7	2

55	Changes in salivary electrolyte concentrations in mid-distance trained sled dogs during 12 weeks of incremental conditioning. <i>Physiological Reports</i> , 2020 , 8, e14493	2.6	4
54	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, txaa141	1.4	5
53	Exercise but Not Supplemental Dietary Tryptophan Influences Heart Rate and Respiratory Rate in Sled Dogs. <i>Veterinary Sciences</i> , 2020 , 7,	2.4	3
52	Standardized ileal digestible amino acids and net energy contents in full fat and defatted black soldier fly larvae meals () Fed to growing pigs. <i>Translational Animal Science</i> , 2020 , 4, txaa104	1.4	11
51	Investigating the effects of incremental conditioning and supplemental dietary tryptophan on the voluntary activity and behaviour of mid-distance training sled dogs. <i>PLoS ONE</i> , 2020 , 15, e0232643	3.7	2
50	The daytime feeding frequency affects appetite-regulating hormones, amino acids, physical activity, and respiratory quotient, but not energy expenditure, in adult cats fed regimens for 21 days. <i>PLoS ONE</i> , 2020 , 15, e0238522	3.7	2
49	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,	0.7	9
48	The daytime feeding frequency affects appetite-regulating hormones, amino acids, physical activity, and respiratory quotient, but not energy expenditure, in adult cats fed regimens for 21 days 2020 , 15, e0238522		
47	The daytime feeding frequency affects appetite-regulating hormones, amino acids, physical activity, and respiratory quotient, but not energy expenditure, in adult cats fed regimens for 21 days 2020 , 15, e0238522		
46	The daytime feeding frequency affects appetite-regulating hormones, amino acids, physical activity, and respiratory quotient, but not energy expenditure, in adult cats fed regimens for 21 days 2020 , 15, e0238522		
45	The daytime feeding frequency affects appetite-regulating hormones, amino acids, physical activity, and respiratory quotient, but not energy expenditure, in adult cats fed regimens for 21 days 2020 , 15, e0238522		
44	Modelling net energy of commercial cat diets. <i>PLoS ONE</i> , 2019 , 14, e0218173	3.7	1
43	Disulphide bonds and cross-linked amino acids may affect amino acid utilization in feather meal fed to rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Aquaculture Research</i> , 2019 , 50, 2081-2095	1.9	4
42	Tryptophan requirements in small, medium, and large breed adult dogs using the indicator amino acid oxidation technique ¹ . <i>Journal of Animal Science</i> , 2019 , 97, 3274-3285	0.7	7
41	A novel enzymatic pre-treatment improves amino acid utilization in feather meal fed to rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Aquaculture Research</i> , 2019 , 50, 1459-1474	1.9	10
40	Nutrient content changes from steaming or soaking timothy-alfalfa hay: effects on feed preferences and acute glycemic response in Standardbred racehorses ¹ . <i>Journal of Animal Science</i> , 2019 , 97, 4199-4207	0.7	4
39	Development of a Novel Enzymatic Pretreatment for Improving the Digestibility of Protein in Feather Meal. <i>AgriEngineering</i> , 2019 , 1, 475-484	2.2	5
38	The Behavioural Effects of Innovative Litter Developed to Attract Cats. <i>Animals</i> , 2019 , 9,	3.1	2

37	Apparent and true digestibility of macro and micro nutrients in adult maintenance dog foods containing either a majority of animal or vegetable proteins ¹ . <i>Journal of Animal Science</i> , 2019 , 97, 1010-1019	0.7	7
36	Plant-based (vegan) diets for pets: A survey of pet owner attitudes and feeding practices. <i>PLoS ONE</i> , 2019 , 14, e0210806	3.7	24
35	Special topic: The association between pulse ingredients and canine dilated cardiomyopathy: addressing the knowledge gaps before establishing causation. <i>Journal of Animal Science</i> , 2019 , 97, 983-997	0.7	18
34	Lessons from animal nutritionists: dietary amino acid requirement studies and considerations for healthy aging studies. <i>Annals of the New York Academy of Sciences</i> , 2018 , 1418, 20-30	6.5	3
33	Dietary mannoheptulose does not alter glucose or lipid metabolism in adult Labrador Retrievers. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2018 , 102, e122-e131	2.6	3
32	Many Canadian dog and cat Foods fail to comply with the guaranteed analyses reported on packages. <i>Canadian Veterinary Journal</i> , 2018 , 59, 1181-1186	0.5	3
31	Carbohydrate level and source have minimal effects on feline energy and macronutrient metabolism. <i>Journal of Animal Science</i> , 2018 , 96, 5052-5063	0.7	2
30	Dietary phenylalanine requirements are similar in small, medium, and large breed adult dogs using the direct amino acid oxidation technique. <i>Journal of Animal Science</i> , 2018 , 96, 3112-3120	0.7	6
29	Overweight adult cats have significantly lower voluntary physical activity than adult lean cats. <i>Journal of Feline Medicine and Surgery</i> , 2017 , 19, 1267-1273	2.3	9
28	An Appetite for Modernizing the Regulatory Framework for Protein Content Claims in Canada. <i>Nutrients</i> , 2017 , 9,	6.7	5
27	Digestibility Is Similar between Commercial Diets That Provide Ingredients with Different Perceived Glycemic Responses and the Inaccuracy of Using the Modified Atwater Calculation to Calculate Metabolizable Energy. <i>Veterinary Sciences</i> , 2017 , 4,	2.4	6
26	Canine Food Preference Assessment of Animal and Vegetable Ingredient-Based Diets Using Single-Pan Tests and Behavioral Observation. <i>Frontiers in Veterinary Science</i> , 2017 , 4, 154	3.1	2
25	Cats in Positive Energy Balance Have Lower Rates of Adipose Gain When Fed Diets Containing 188 versus 121 ppm L-Carnitine. <i>Scientific World Journal, The</i> , 2016 , 2016, 2649093	2.2	4
24	Aging in cats: Common physical and functional changes. <i>Journal of Feline Medicine and Surgery</i> , 2016 , 18, 533-50	2.3	24
23	Evaluating aging in cats: How to determine what is healthy and what is disease. <i>Journal of Feline Medicine and Surgery</i> , 2016 , 18, 551-70	2.3	17
22	Dietary mannoheptulose has differential effects on fasting and post-prandial glucose oxidation in Labrador Retrievers. <i>Journal of Applied Animal Research</i> , 2015 , 43, 357-365	1.7	7
21	Dietary fat and carbohydrate have different effects on body weight, energy expenditure, glucose homeostasis and behaviour in adult cats fed to energy requirement. <i>Journal of Nutritional Science</i> , 2015 , 4, e2	2.7	5
20	Dietary Mannoheptulose Does Not Significantly Alter Daily Energy Expenditure in Adult Labrador Retrievers. <i>PLoS ONE</i> , 2015 , 10, e0143324	3.7	6

19	A Kinetic Model of Whole-Body Glucose Metabolism with Reference to the Domestic Dog (<i>Canis lupus familiaris</i>). <i>International Scholarly Research Notices</i> , 2015 , 2015, 286076	0	0
18	Dietary Mannoheptulose Increases Fasting Serum Glucagon Like Peptide-1 and Post-Prandial Serum Ghrelin Concentrations in Adult Beagle Dogs. <i>Animals</i> , 2015 , 5, 442-54	3.1	6
17	Trained vs untrained evaluator assessment of body condition score as a predictor of percent body fat in adult cats. <i>Journal of Feline Medicine and Surgery</i> , 2014 , 16, 957-65	2.3	20
16	Mannoheptulose has differential effects on fasting and postprandial energy expenditure and respiratory quotient in adult Beagle dogs fed diets of different macronutrient contents. <i>Journal of Nutritional Science</i> , 2014 , 3, e17	2.7	14
15	Whole-body retention of α -linolenic acid and its apparent conversion to other n-3 PUFA in growing pigs are reduced with the duration of feeding α -linolenic acid. <i>British Journal of Nutrition</i> , 2014 , 111, 1382-93	3.6	6
14	Models for the Study of Whole-Body Glucose Kinetics: A Mathematical Synthesis 2013 , 2013, 1-16		3
13	Development and validation of a behavioral acclimation protocol for cats to respiration chambers used for indirect calorimetry studies. <i>Journal of Applied Animal Welfare Science</i> , 2012 , 15, 144-62	1.6	17
12	Development and validation of a behavioral acclimation protocol for cats to respiration chambers used for indirect calorimetry studies. <i>FASEB Journal</i> , 2010 , 24, lb269	0.9	
11	Effects of a high vs. low carbohydrate diet on fat and carbohydrate oxidation in cats. <i>FASEB Journal</i> , 2010 , 24, lb272	0.9	1
10	Impact of riding in a coercively obtained Rollkur posture on welfare and fear of performance horses. <i>Applied Animal Behaviour Science</i> , 2009 , 116, 228-236	2.2	83
9	Seven days of oral taurine supplementation does not increase muscle taurine content or alter substrate metabolism during prolonged exercise in humans. <i>Journal of Applied Physiology</i> , 2008 , 105, 643-51	3.7	68
8	The indicator amino acid oxidation method identified limiting amino acids in two parenteral nutrition solutions in neonatal piglets. <i>Journal of Nutrition</i> , 2007 , 137, 1253-9	4.1	6
7	Oral taurine supplementation does not increase muscle taurine content or alter substrate metabolism during prolonged submaximal cycling in active males. <i>FASEB Journal</i> , 2007 , 21, A715	0.9	
6	N-acetylcysteine is a highly available precursor for cysteine in the neonatal piglet receiving parenteral nutrition. <i>Journal of Parenteral and Enteral Nutrition</i> , 2006 , 30, 133-42	4.2	11
5	Citrulline is an effective arginine precursor in enterally fed neonatal piglets. <i>Journal of Nutrition</i> , 2006 , 136, 1806-13	4.1	37
4	Nutritional and functional importance of intestinal sulfur amino acid metabolism. <i>Journal of Nutrition</i> , 2005 , 135, 1609-12	4.1	108
3	The balance of dietary sulfur amino acids and the route of feeding affect plasma homocysteine concentrations in neonatal piglets. <i>Journal of Nutrition</i> , 2004 , 134, 609-12	4.1	24
2	The methionine requirement is lower in neonatal piglets fed parenterally than in those fed enterally. <i>Journal of Nutrition</i> , 2003 , 133, 1390-7	4.1	66

- 1 Dietary cysteine reduces the methionine requirement by an equal proportion in both parenterally and enterally fed piglets. *Journal of Nutrition*, **2003**, 133, 4215-24

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