Joris Michiels

List of Publications by Year in descending order

42 papers	2,082 citations	471061 17 h-index	264894 42 g-index
42 all docs	42 docs citations	42 times ranked	2657 citing authors

#	Article	IF	Citations
1	Acidification of drinking water improved tibia mass of broilers through the alterations of intestinal barrier and microbiota. Animal Bioscience, 2022, 35, 902-915.	0.8	9
2	In vitro and inÂvivo antimicrobial activity of cinnamaldehyde and derivatives towards the intestinal bacteria of the weaned piglet. Italian Journal of Animal Science, 2022, 21, 493-506.	0.8	3
3	The Effect of Amino Acids on Production of SCFA and bCFA by Members of the Porcine Colonic Microbiota. Microorganisms, 2022, 10, 762.	1.6	18
4	Drenching Bovine Colostrum, Quercetin or Fructo-Oligosaccharides Has No Effect on Health or Survival of Low Birth Weight Piglets. Animals, 2022, 12, 55.	1.0	4
5	Dietary Resistant Starch From Potato Regulates Bone Mass by Modulating Gut Microbiota and Concomitant Short-Chain Fatty Acids Production in Meat Ducks. Frontiers in Nutrition, 2022, 9, 860086.	1.6	5
6	Editorial: Impact of Climate Change on Poultry Metabolism. Frontiers in Veterinary Science, 2021, 8, 654678.	0.9	2
7	Handling Associated with Drenching Does Not Impact Survival and General Health of Low Birth Weight Piglets. Animals, 2021, 11, 404.	1.0	8
8	Impact of Xylanase and Glucanase on Oligosaccharide Formation, Carbohydrate Fermentation Patterns, and Nutrient Utilization in the Gastrointestinal Tract of Broilers. Animals, 2021, 11, 1285.	1.0	14
9	Cinnamaldehyde Induces Release of Cholecystokinin and Glucagon-Like Peptide 1 by Interacting with Transient Receptor Potential Ankyrin 1 in a Porcine Ex-Vivo Intestinal Segment Model. Animals, 2021, 11, 2262.	1.0	1
10	Production of selenium-enriched microalgae as potential feed supplement in high-rate algae ponds treating domestic wastewater. Bioresource Technology, 2021, 333, 125239.	4.8	32
11	25-hydroxycholecalciferol reverses heat induced alterations in bone quality in finisher broilers associated with effects on intestinal integrity and inflammation. Journal of Animal Science and Biotechnology, 2021, 12, 104.	2.1	18
12	Effect of vitamin E level and dietary zinc source on performance and intestinal health parameters in male broilers exposed to a temperature challenge in the finisher period. Journal of Animal Physiology and Animal Nutrition, 2021, 105, 777-786.	1.0	1
13	Antibiotic affects the gut microbiota composition and expression of genes related to lipid metabolism and myofiber types in skeletal muscle of piglets. BMC Veterinary Research, 2020, 16, 392.	0.7	14
14	Expression of Transient Receptor Potential Ankyrin 1 and Transient Receptor Potential Vanilloid 1 in the Gut of the Peri-Weaning Pig Is Strongly Dependent on Age and Intestinal Site. Animals, 2020, 10, 2417.	1.0	5
15	Short-chain fructo-oligosaccharides supplementation to suckling piglets: Assessment of pre- and post-weaning performance and gut health. PLoS ONE, 2020, 15, e0233910.	1.1	10
16	Fate of Thymol and Its Monoglucosides in the Gastrointestinal Tract of Piglets. ACS Omega, 2020, 5, 5241-5248.	1.6	5
17	Effects of Thymol and Thymol Î±-D-Glucopyranoside on Intestinal Function and Microbiota of Weaned Pigs. Animals, 2020, 10, 329.	1.0	13
18	Weaning affects the glycosidase activity towards phenolic glycosides in the gut of piglets. Journal of Animal Physiology and Animal Nutrition, 2020, 104, 1432-1443.	1.0	1

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19	Changes of the glutathione redox system during the weaning transition in piglets, in relation to small intestinal morphology and barrier function. Journal of Animal Science and Biotechnology, 2020, 11, 45.	2.1	16
20	Impact of Dietary Manganese on Intestinal Barrier and Inflammatory Response in Broilers Challenged with Salmonella Typhimurium. Microorganisms, 2020, 8, 757.	1.6	19
21	The Effect of Dietary Quercetin on the Glutathione Redox System and Small Intestinal Functionality of Weaned Piglets. Antioxidants, 2019, 8, 312.	2.2	10
22	Effects of N-Acetyl-Cysteine Supplementation through Drinking Water on the Glutathione Redox Status during the Weaning Transition of Piglets. Antioxidants, 2019, 8, 24.	2.2	6
23	Impact of Red versus White Meat Consumption in a Prudent or Western Dietary Pattern on the Oxidative Status in a Pig Model. Journal of Agricultural and Food Chemistry, 2019, 67, 5661-5671.	2.4	8
24	Black Soldier Fly (Hermetia Illucens) as Dietary Source for Laying Quails: Live Performance, and Egg Physico-Chemical Quality, Sensory Profile and Storage Stability. Animals, 2019, 9, 115.	1.0	45
25	Effect of zinc oxide sources and dosages on gut microbiota and integrity of weaned piglets. Journal of Animal Physiology and Animal Nutrition, 2019, 103, 231-241.	1.0	45
26	Gut antimicrobial effects and nutritional value of black soldier fly (Hermetia illucens L.) prepupae for weaned piglets. Animal Feed Science and Technology, 2018, 235, 33-42.	1.1	157
27	Artificial rearing influences the morphology, permeability and redox state of the gastrointestinal tract of low and normal birth weight piglets. Journal of Animal Science and Biotechnology, 2017, 8, 30.	2.1	13
28	Nutritional composition of black soldier fly (Hermetia illucens) prepupae reared on different organic waste substrates. Journal of the Science of Food and Agriculture, 2017, 97, 2594-2600.	1.7	546
29	Wheat bran components modulate intestinal bacteria and gene expression of barrier function relevant proteins in a piglet model. International Journal of Food Sciences and Nutrition, 2017, 68, 65-72.	1.3	22
30	Mycotoxin binder improves growth rate in piglets associated with reduction of toll-like receptor-4 and increase of tight junction protein gene expression in gut mucosa. Journal of Animal Science and Biotechnology, 2017, 8, 80.	2.1	22
31	In Vitro Investigation of Six Antioxidants for Pig Diets. Antioxidants, 2016, 5, 41.	2.2	22
32	Association between heat stress and oxidative stress in poultry; mitochondrial dysfunction and dietary interventions with phytochemicals. Journal of Animal Science and Biotechnology, 2016, 7, 37.	2.1	330
33	Reduction in circulating bile acid and restricted diffusion across the intestinal epithelium are associated with a decrease in blood cholesterol in the presence of oat Î²â€glucan. FASEB Journal, 2016, 30, 4227-4238.	0.2	65
34	Intrauterine growth restriction in neonatal piglets affects small intestinal mucosal permeability and mRNA expression of redoxâ€sensitive genes. FASEB Journal, 2016, 30, 863-873.	0.2	60
35	Arabinoxylan in Wheat Is More Responsible Than Cellulose for Promoting Intestinal Barrier Function in Weaned Male Piglets. Journal of Nutrition, 2015, 145, 51-58.	1.3	74
36	Trolox and Ascorbic Acid Reduce Direct and Indirect Oxidative Stress in the IPEC-J2 Cells, an In Vitro Model for the Porcine Gastrointestinal Tract. PLoS ONE, 2015, 10, e0120485.	1.1	62

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37	Oxidative Status, Meat Quality and Fatty Acid Profile of Broiler Chickens Reared under Free-range and Severely Feed-restricted Conditions Compared with Conventional Indoor Rearing. Avian Biology Research, 2014, 7, 74-82.	0.4	15
38	Artificial rearing of piglets: Effects on small intestinal morphology and digestion capacity. Livestock Science, 2014, 159, 165-173.	0.6	38
39	Maturation of digestive function is retarded and plasma antioxidant capacity lowered in fully weaned low birth weight piglets. British Journal of Nutrition, 2013, 109, 65-75.	1.2	74
40	Effects of dose and formulation of carvacrol and thymol on bacteria and some functional traits of the gut in piglets after weaning. Archives of Animal Nutrition, 2010, 64, 136-154.	0.9	83
41	Thymol and trans-cinnamaldehyde reduce active nutrient absorption and chloride secretion in the pig jejunal Ussing chamber model. Livestock Science, 2010, 134, 27-29.	0.6	10
42	In vitro degradation and in vivo passage kinetics of carvacrol, thymol, eugenol and transâ€cinnamaldehyde along the gastrointestinal tract of piglets. Journal of the Science of Food and Agriculture, 2008, 88, 2371-2381.	1.7	177