

Jean-Paul Lalls

List of Publications by Year in Descending Order

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Version: 2024-04-28

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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.

99
papers

5,010
citations

34
h-index

69
g-index

103
ext. papers

5,691
ext. citations

3.5
avg. IF

5.97
L-index

#	Paper	IF	Citations
99	Dietary alternatives to in-feed antibiotics, gut barrier function and inflammation in piglets post-weaning: Where are we now?. <i>Animal Feed Science and Technology</i> , 2021 , 274, 114836	3	3
98	Contrasted central effects of n-3 versus n-6 diets on brain functions in diet-induced obesity in minipigs. <i>Nutritional Neuroscience</i> , 2021 , 1-13	3.6	
97	Intestinal alkaline phosphatase in the gastrointestinal tract of fish: biology, ontogeny, and environmental and nutritional modulation. <i>Reviews in Aquaculture</i> , 2020 , 12, 555-581	8.9	23
96	Recent advances in intestinal alkaline phosphatase, inflammation, and nutrition. <i>Nutrition Reviews</i> , 2019 , 77, 710-724	6.4	31
95	Biology, environmental and nutritional modulation of skin mucus alkaline phosphatase in fish: A review. <i>Fish and Shellfish Immunology</i> , 2019 , 89, 179-186	4.3	26
94	Case studies on genetically modified organisms (GMOs): Potential risk scenarios and associated health indicators. <i>Food and Chemical Toxicology</i> , 2018 , 117, 36-65	4.7	26
93	Oral sodium butyrate impacts brain metabolism and hippocampal neurogenesis, with limited effects on gut anatomy and function in pigs. <i>FASEB Journal</i> , 2018 , 32, 2160-2171	0.9	34
92	Microbiota-host interplay at the gut epithelial level, health and nutrition. <i>Journal of Animal Science and Biotechnology</i> , 2016 , 7, 66	6	45
91	Nonalcoholic fatty liver disease: Roles of the gut and the liver and metabolic modulation by some dietary factors and especially long-chain n-3 PUFA. <i>Molecular Nutrition and Food Research</i> , 2016 , 60, 147-159	5.9	24
90	Gut epithelial inducible heat-shock proteins and their modulation by diet and the microbiota. <i>Nutrition Reviews</i> , 2016 , 74, 181-97	6.4	33
89	Effect of probiotic strain addition on digestive organ growth and nutrient digestibility in growing pigs. <i>Revista Facultad Nacional De Agronomia Medellin</i> , 2016 , 69, 7911-7918	0.5	2
88	Rôles de l'intestin et du foie dans la progression de la stéatopathie métabolique et sa modulation par les acides gras polyinsaturés à longue chaîne n-3. <i>Cahiers De Nutrition Et De Dietetique</i> , 2016 , 51, 283-295	0.2	
87	Dairy products and the French paradox: Could alkaline phosphatases play a role?. <i>Medical Hypotheses</i> , 2016 , 92, 7-11	3.8	10
86	Critical review evaluating the pig as a model for human nutritional physiology. <i>Nutrition Research Reviews</i> , 2016 , 29, 60-90	7	143
85	Protéines du choc thermique inductibles dans l'épithélium intestinal: propriétés protectrices et modulation par le microbiote et des facteurs alimentaires. <i>Cahiers De Nutrition Et De Dietetique</i> , 2016 , 51, 186-194	0.2	
84	Obesogenic diets have deleterious effects on fat deposits irrespective of the nature of dietary carbohydrates in a Yucatan minipig model. <i>Nutrition Research</i> , 2016 , 36, 947-954	4	4
83	Dietary sugars: their detection by the gut-brain axis and their peripheral and central effects in health and diseases. <i>European Journal of Nutrition</i> , 2015 , 54, 1-24	5.2	44

82	Intestinal Alkaline Phosphatase in Stool: A Novel Biomarker for Metabolic Diseases. <i>EBioMedicine</i> , 2015 , 2, 1866	8.8	6
81	The Olfactory Receptor OR51E1 Is Present along the Gastrointestinal Tract of Pigs, Co-Localizes with Enteroendocrine Cells and Is Modulated by Intestinal Microbiota. <i>PLoS ONE</i> , 2015 , 10, e0129501	3.7	34
80	Maternal antibiotic-induced early changes in microbial colonization selectively modulate colonic permeability and inducible heat shock proteins, and digesta concentrations of alkaline phosphatase and TLR-stimulants in swine offspring. <i>PLoS ONE</i> , 2015 , 10, e0118092	3.7	26
79	Phosphatase alcaline intestinale : une enzyme très protectrice par ses propriétés anti-inflammatoires puissantes. <i>Cahiers De Nutrition Et De Dietetique</i> , 2014 , 49, 81-87	0.2	2
78	Intestinal alkaline phosphatase: novel functions and protective effects. <i>Nutrition Reviews</i> , 2014 , 72, 82-96.4	19.1	
77	Effects of chronic intake of starch-, glucose- and fructose-containing diets on eating behaviour in adult minipigs. <i>Applied Animal Behaviour Science</i> , 2014 , 157, 61-71	2.2	7
76	Early changes in microbial colonization selectively modulate intestinal enzymes, but not inducible heat shock proteins in young adult Swine. <i>PLoS ONE</i> , 2014 , 9, e87967	3.7	43
75	Tu1753 Central Functions Altered by Chronic High-Lipids Diets Enriched With Omega-3, Omega-6 or Saturated Fat. <i>Gastroenterology</i> , 2013 , 144, S-837	13.3	2
74	Effets à long terme de la nutrition et de l'environnement précoces sur la physiologie intestinale. <i>Cahiers De Nutrition Et De Dietetique</i> , 2013 , 48, 191-200	0.2	
73	Age-related expression of the polymeric immunoglobulin receptor (pIgR) in the gastric mucosa of young pigs. <i>PLoS ONE</i> , 2013 , 8, e81473	3.7	11
72	Perinatal undernutrition alters intestinal alkaline phosphatase and its main transcription factors KLF4 and Cdx1 in adult offspring fed a high-fat diet. <i>Journal of Nutritional Biochemistry</i> , 2012 , 23, 1490-7	6.3	23
71	The level of protein in milk formula modifies ileal sensitivity to LPS later in life in a piglet model. <i>PLoS ONE</i> , 2011 , 6, e19594	3.7	40
70	Fasting and refeeding modulate the expression of stress proteins along the gastrointestinal tract of weaned pigs. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2011 , 95, 478-88	2.6	23
69	A melon pulp concentrate rich in superoxide dismutase reduces stress proteins along the gastrointestinal tract of pigs. <i>Nutrition</i> , 2011 , 27, 358-63	4.8	15
68	Intestinal alkaline phosphatase: multiple biological roles in maintenance of intestinal homeostasis and modulation by diet. <i>Nutrition Reviews</i> , 2010 , 68, 323-32	6.4	235
67	Phaseolin from <i>Phaseolus vulgaris</i> bean modulates gut mucin flow and gene expression in rats. <i>British Journal of Nutrition</i> , 2010 , 104, 1740-7	3.6	5
66	Phosphatase alcaline intestinale : une vieille enzyme avec de nouvelles fonctions dans l'homéostasie intestinale et l'absorption des lipides. <i>Cahiers De Nutrition Et De Dietetique</i> , 2010 , 45, 293-300	0.2	2
65	Consumption of fumonisin B1 for 9 days induces stress proteins along the gastrointestinal tract of pigs. <i>Toxicon</i> , 2010 , 55, 244-9	2.8	19

64	Phaseolin diversity as a possible strategy to improve the nutritional value of common beans (<i>Phaseolus vulgaris</i>). <i>Food Research International</i> , 2010 , 43, 443-449	7	55
63	Linseed oil in the maternal diet during gestation and lactation modifies fatty acid composition, mucosal architecture, and mast cell regulation of the ileal barrier in piglets. <i>Journal of Nutrition</i> , 2009 , 139, 1110-7	4.1	42
62	Intestinal physiology and peptidase activity in male pigs are modulated by consumption of corn culture extracts containing fumonisins. <i>Journal of Nutrition</i> , 2009 , 139, 1303-7	4.1	19
61	Intestinal barrier function is modulated by short-term exposure to fumonisin B ₁ in Ussing chambers. <i>Veterinary Research Communications</i> , 2009 , 33, 1039-43	2.9	20
60	Susceptibility of phaseolin (<i>Phaseolus vulgaris</i>) subunits to trypsinolysis and influence of dietary level of raw phaseolin on protein digestion in the small intestine of rats. <i>British Journal of Nutrition</i> , 2009 , 101, 1324-32	3.6	7
59	Comparative effect of orally administered sodium butyrate before or after weaning on growth and several indices of gastrointestinal biology of piglets. <i>British Journal of Nutrition</i> , 2009 , 102, 1285-96	3.6	71
58	Effects of whole wheat feeding on the development of the digestive tract of broiler chickens. <i>Animal Feed Science and Technology</i> , 2008 , 142, 144-162	3	78
57	Susceptibility of phaseolin to in vitro proteolysis is highly variable across common bean varieties (<i>Phaseolus vulgaris</i>). <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 2183-91	5.7	42
56	Phaseolin type and heat treatment influence the biochemistry of protein digestion in the rat intestine. <i>British Journal of Nutrition</i> , 2008 , 99, 531-9	3.6	16
55	Supplemental sodium butyrate stimulates different gastric cells in weaned pigs. <i>Journal of Nutrition</i> , 2008 , 138, 1426-31	4.1	59
54	In vitro and in vivo protein hydrolysis of beans (<i>Phaseolus vulgaris</i>) genetically modified to express different phaseolin types. <i>Food Chemistry</i> , 2008 , 106, 1225-1233	8.5	18
53	Weaned piglets display low gastrointestinal digestion of pea (<i>Pisum sativum</i> L.) lectin and pea albumin 2. <i>Journal of Animal Science</i> , 2007 , 85, 2972-81	0.7	22
52	Main intestinal markers associated with the changes in gut architecture and function in piglets after weaning. <i>British Journal of Nutrition</i> , 2007 , 97, 45-57	3.6	149
51	Weaning is a challenge to gut physiologists. <i>Livestock Science</i> , 2007 , 108, 82-93	1.7	192
50	Nutritional management of gut health in pigs around weaning. <i>Proceedings of the Nutrition Society</i> , 2007 , 66, 260-8	2.9	296
49	A protein-free diet alters small intestinal architecture and digestive enzyme activities in rats. <i>Reproduction, Nutrition, Development</i> , 2006 , 46, 49-56		13
48	Influence of the <i>Phaseolus vulgaris</i> phaseolin level of incorporation, type and thermal treatment on gut characteristics in rats. <i>British Journal of Nutrition</i> , 2006 , 95, 116-23	3.6	25
47	High-viscosity carboxymethylcellulose reduces carbachol-stimulated intestinal chloride secretion in weaned piglets fed a diet based on skimmed milk powder and maltodextrin. <i>British Journal of Nutrition</i> , 2006 , 95, 488-95	3.6	7

46	The effect of dietary protein and fermentable carbohydrates levels on growth performance and intestinal characteristics in newly weaned piglets. <i>Journal of Animal Science</i> , 2006 , 84, 3337-45	0.7	111
45	Increasing digesta viscosity using carboxymethylcellulose in weaned piglets stimulates ileal goblet cell numbers and maturation. <i>Journal of Nutrition</i> , 2005 , 135, 86-91	4.1	74
44	An early stimulation of solid feed intake slightly influences the morphological gut maturation in the rabbit. <i>Reproduction, Nutrition, Development</i> , 2005 , 45, 109-22		20
43	Gut function and dysfunction in young pigs: physiology. <i>Animal Research</i> , 2004 , 53, 301-316		188
42	Effect of diet composition on postweaning colibacillosis in piglets. <i>Journal of Animal Science</i> , 2004 , 82, 2364-74	0.7	70
41	Estimation of ileal output of gastro-intestinal glycoprotein in weaned piglets using three different methods. <i>Reproduction, Nutrition, Development</i> , 2004 , 44, 419-35		14
40	Weaning is associated with an upregulation of expression of inflammatory cytokines in the intestine of piglets. <i>Journal of Nutrition</i> , 2004 , 134, 641-7	4.1	354
39	Weaning induces both transient and long-lasting modifications of absorptive, secretory, and barrier properties of piglet intestine. <i>Journal of Nutrition</i> , 2004 , 134, 2256-62	4.1	236
38	Soybean impairs Na(+)-dependent glucose absorption and Cl- secretion in porcine small intestine. <i>Reproduction, Nutrition, Development</i> , 2003 , 43, 409-18		3
37	Immunodetection of legume proteins resistant to small intestinal digestion in weaned piglets. <i>Journal of the Science of Food and Agriculture</i> , 2003 , 83, 1571-1580	4.3	18
36	Influence of dietary protein level and source on the course of protein digestion along the small intestine of the veal calf. <i>Journal of Dairy Science</i> , 2003 , 86, 934-43	4	36
35	Legume grains enhance ileal losses of specific endogenous serine-protease proteins in weaned pigs. <i>Journal of Nutrition</i> , 2002 , 132, 1913-20	4.1	23
34	Weaning affects the expression of heat shock proteins in different regions of the gastrointestinal tract of piglets. <i>Journal of Nutrition</i> , 2002 , 132, 2551-61	4.1	28
33	Xylanase and beta-glucanase supplementation improve conjugated bile acid fraction in intestinal contents and increase villus size of small intestine wall in broiler chickens fed a rye-based diet. <i>Journal of Animal Science</i> , 2002 , 80, 2773-9	0.7	112
32	Comparative effects of different legume protein sources in weaned piglets: nutrient digestibility, intestinal morphology and digestive enzymes. <i>Livestock Science</i> , 2002 , 74, 191-202		44
31	Enzymes of the small intestine of the calf: effect of dietary protein source on the activities of some enzymes in the small intestinal mucosa and digesta. <i>Journal of the Science of Food and Agriculture</i> , 2002 , 82, 1772-1779	4.3	7
30	Diet-related adaptation of the small intestine at weaning in pigs is functional rather than structural. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2002 , 34, 180-7	2.8	36
29	Legume Proteins of the Vicilin Family are More Immunogenic Than Those of the Legumin Family in Weaned Piglets. <i>Food and Agricultural Immunology</i> , 2002 , 14, 51-63	2.9	15

28	Component digestibility of lupin (<i>Lupinus angustifolius</i>) and pea (<i>Pisum sativum</i>) seeds and effects on the small intestine and body organs in anastomosed and intact growing pigs. <i>Animal Feed Science and Technology</i> , 2002 , 98, 187-201	3	9
27	Intestinal digestion of dietary and endogenous proteins along the small intestine of calves fed soybean or potato. <i>Journal of Animal Science</i> , 2001 , 79, 2719-30	0.7	25
26	Nutrient digestibility of chickpea (<i>Cicer arietinum</i> L.) seeds and effects on the small intestine of weaned piglets. <i>Animal Feed Science and Technology</i> , 2001 , 91, 197-212	3	26
25	Digestion of colostrum by the preruminant calf: digestibility and origin of undigested protein fractions in ileal digesta. <i>Dairy Science and Technology</i> , 2001 , 81, 443-454		2
24	Quantitative and qualitative changes in endogenous nitrogen components along the small intestine of the calf. <i>Journal of the Science of Food and Agriculture</i> , 2000 , 80, 2123-2134	4.3	10
23	Calf intestinal mucin: isolation, partial characterization, and measurement in ileal digesta with an enzyme-linked immunosorbent assay. <i>Journal of Dairy Science</i> , 2000 , 83, 507-17	4	46
22	Influence of dietary protein level and origin on the flow of mucin along the small intestine of the preruminant calf. <i>Journal of Dairy Science</i> , 2000 , 83, 2820-8	4	33
21	Morphology and enzyme activities of the small intestine are modulated by dietary protein source in the preruminant calf. <i>Reproduction, Nutrition, Development</i> , 1999 , 39, 455-66		19
20	Effects of replacing fish meal with soy protein concentrate and of DL-methionine supplementation in high-energy, extruded diets on the growth and nutrient utilization of rainbow trout, <i>Oncorhynchus mykiss</i> . <i>Journal of Animal Science</i> , 1999 , 77, 2990-9	0.7	172
19	Contribution to the study of gut hypersensitivity reactions to soybean proteins in preruminant calves and early-weaned piglets. <i>Livestock Science</i> , 1999 , 60, 209-218		26
18	Immunochemical studies on gastric and intestinal digestion of soybean glycinin and beta-conglycinin in vivo. <i>Journal of Agricultural and Food Chemistry</i> , 1999 , 47, 2797-806	5.7	47
17	Nutritional value of the proteins of soybeans roasted at a small-scale unit level in Africa as assessed using growing rats. <i>Reproduction, Nutrition, Development</i> , 1999 , 39, 201-12		5
16	Roasted fullfat soybean as an ingredient of milk replacers for goat kids. <i>Small Ruminant Research</i> , 1998 , 28, 53-59	1.7	4
15	Biochemical features of grain legume allergens in humans and animals. <i>Nutrition Reviews</i> , 1996 , 54, 101-7.4	7.4	26
14	Investigation of the Relationship between in Vitro ELISA Measures of Immunoreactive Soy Globulins and in Vivo Effects of Soy Products. <i>Journal of Agricultural and Food Chemistry</i> , 1996 , 44, 2155-2161	5.7	12
13	Feeding heated soyabean flour increases the density of B and T lymphocytes in the small intestine of calves. <i>Veterinary Immunology and Immunopathology</i> , 1996 , 52, 105-15	2	11
12	Identification of soyabean allergens and immune mechanisms of dietary sensitivities in preruminant calves. <i>Research in Veterinary Science</i> , 1996 , 60, 111-6	2.5	32
11	Analytical criteria for predicting apparent digestibility of soybean protein in preruminant calves. <i>Journal of Dairy Science</i> , 1996 , 79, 475-82	4	16

10	Systemic and local gut-specific antibody responses in preruminant calves sensitive to soya. <i>Research in Veterinary Science</i> , 1995 , 59, 56-60	2.5	11
9	Partial or total replacement of fish meal by soybean protein on growth, protein utilization, potential estrogenic or antigenic effects, cholesterolemia and flesh quality in rainbow trout, <i>Oncorhynchus mykiss</i> . <i>Aquaculture</i> , 1995 , 133, 257-274	4.4	561
8	IgM, IgA, IgG1 and IgG2 specific responses in blood and gut secretion of calves fed soyabean products. <i>Veterinary Immunology and Immunopathology</i> , 1995 , 47, 57-67	2	13
7	B and T lymphocytes are enhanced in the gut of piglets fed heat-treated soyabean proteins. <i>Veterinary Immunology and Immunopathology</i> , 1995 , 47, 69-79	2	26
6	Hydrolyzed soy protein isolate sustains high nutritional performance in veal calves. <i>Journal of Dairy Science</i> , 1995 , 78, 194-204	4	41
5	Local and systemic immune responses to soybean protein ingestion in early-weaned pigs. <i>Journal of Animal Science</i> , 1994 , 72, 2090-8	0.7	62
4	Replacement of skim milk with soya bean protein concentrates and whey in milk replacers for veal calves. <i>Animal Feed Science and Technology</i> , 1994 , 50, 101-112	3	9
3	Nutritional and antinutritional aspects of soyabean and field pea proteins used in veal calf production: a review. <i>Livestock Science</i> , 1993 , 34, 181-202		60
2	Mean retention time of dietary residues within the gastrointestinal tract of the young ruminant: a comparison of non-compartmental (algebraic) and compartmental (modelling) estimation methods. <i>Animal Feed Science and Technology</i> , 1991 , 35, 139-159	3	10
1	Changes in ruminal and intestinal digestion during and after weaning in dairy calves fed concentrate diets containing pea or soya bean meal. 1. Digestion of organic matter and nitrogen. <i>Livestock Science</i> , 1990 , 24, 129-142		28