

# Gaelle Boudry

## List of Publications by Citations

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49  
papers

1,984  
citations

23  
h-index

44  
g-index

52  
ext. papers

2,343  
ext. citations

4.6  
avg, IF

4.83  
L-index

#	Paper	IF	Citations
49	Breast- v. formula-feeding: impacts on the digestive tract and immediate and long-term health effects. <i>Nutrition Research Reviews</i> , <b>2010</b> , 23, 23-36	7	284
48	Weaning induces both transient and long-lasting modifications of absorptive, secretory, and barrier properties of piglet intestine. <i>Journal of Nutrition</i> , <b>2004</b> , 134, 2256-62	4.1	236
47	Gut function and dysfunction in young pigs: physiology. <i>Animal Research</i> , <b>2004</b> , 53, 301-316		188
46	Changes in intestinal barrier function and gut microbiota in high-fat diet-fed rats are dynamic and region dependent. <i>American Journal of Physiology - Renal Physiology</i> , <b>2015</b> , 308, G840-51	5.1	182
45	Main intestinal markers associated with the changes in gut architecture and function in piglets after weaning. <i>British Journal of Nutrition</i> , <b>2007</b> , 97, 45-57	3.6	149
44	Gastrointestinal and hepatic mechanisms limiting entry and dissemination of lipopolysaccharide into the systemic circulation. <i>American Journal of Physiology - Renal Physiology</i> , <b>2016</b> , 311, G1-G15	5.1	83
43	Bovine milk oligosaccharides decrease gut permeability and improve inflammation and microbial dysbiosis in diet-induced obese mice. <i>Journal of Dairy Science</i> , <b>2017</b> , 100, 2471-2481	4	50
42	Role of intestinal transporters in neonatal nutrition: carbohydrates, proteins, lipids, minerals, and vitamins. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , <b>2010</b> , 51, 380-401	2.8	48
41	A moderate threonine deficiency affects gene expression profile, paracellular permeability and glucose absorption capacity in the ileum of piglets. <i>Journal of Nutritional Biochemistry</i> , <b>2010</b> , 21, 914-21	6.3	45
40	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> , <b>2009</b> , 139, 1110-7	4.1	42
39	Dietary protein excess during neonatal life alters colonic microbiota and mucosal response to inflammatory mediators later in life in female pigs. <i>Journal of Nutrition</i> , <b>2013</b> , 143, 1225-32	4.1	40
38	The level of protein in milk formula modifies ileal sensitivity to LPS later in life in a piglet model. <i>PLoS ONE</i> , <b>2011</b> , 6, e19594	3.7	40
37	Assessment of the probiotic potential of a dairy product fermented by <i>Propionibacterium freudenreichii</i> in piglets. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 7917-27	5.7	38
36	n-3 polyunsaturated fatty acids in the maternal diet modify the postnatal development of nervous regulation of intestinal permeability in piglets. <i>Journal of Physiology</i> , <b>2011</b> , 589, 4341-52	3.9	37
35	Diet-related adaptation of the small intestine at weaning in pigs is functional rather than structural. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , <b>2002</b> , 34, 180-7	2.8	36
34	The first dairy product exclusively fermented by <i>Propionibacterium freudenreichii</i> : a new vector to study probiotic potentialities in vivo. <i>Food Microbiology</i> , <b>2012</b> , 32, 135-46	6	34
33	Psychological stress impairs Na <sup>+</sup> -dependent glucose absorption and increases GLUT2 expression in the rat jejunal brush-border membrane. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2007</b> , 292, R862-7	3.2	34

32	Effect of milk formula protein content on intestinal barrier function in a porcine model of LBW neonates. <i>Pediatric Research</i> , <b>2011</b> , 69, 4-9	3.2	33
31	Metabolic fate of 2,4-dichloroaniline, prochloraz and nonylphenol diethoxylate in rainbow trout: a comparative in vivo/in vitro approach. <i>Aquatic Toxicology</i> , <b>2001</b> , 53, 159-72	5.1	33
30	Western-diet consumption induces alteration of barrier function mechanisms in the ileum that correlates with metabolic endotoxemia in rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2017</b> , 313, E107-E120	6	31
29	Fatal effects of a neonatal high-protein diet in low-birth-weight piglets used as a model of intrauterine growth restriction. <i>Neonatology</i> , <b>2010</b> , 97, 321-8	4	30
28	Linseed oil in the maternal diet increases long chain-PUFA status of the foetus and the newborn during the suckling period in pigs. <i>British Journal of Nutrition</i> , <b>2010</b> , 104, 533-43	3.6	30
27	A unique in vivo experimental approach reveals metabolic adaptation of the probiotic <i>Propionibacterium freudenreichii</i> to the colon environment. <i>BMC Genomics</i> , <b>2013</b> , 14, 911	4.5	25
26	The Ussing chamber technique to evaluate alternatives to in-feed antibiotics for young pigs. <i>Animal Research</i> , <b>2005</b> , 54, 219-230		21
25	Intestinal barrier function is modulated by short-term exposure to fumonisin B <sub>1</sub> in Ussing chambers. <i>Veterinary Research Communications</i> , <b>2009</b> , 33, 1039-43	2.9	20
24	Chronic psychological stress alters epithelial cell turn-over in rat ileum. <i>American Journal of Physiology - Renal Physiology</i> , <b>2007</b> , 292, G1228-32	5.1	20
23	Intestinal physiology and peptidase activity in male pigs are modulated by consumption of corn culture extracts containing fumonisins. <i>Journal of Nutrition</i> , <b>2009</b> , 139, 1303-7	4.1	19
22	Identification of the major metabolites of prochloraz in rainbow trout by liquid chromatography and tandem mass spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , <b>2001</b> , 49, 3821-6	5.7	16
21	The Relationship Between Breast Milk Components and the Infant Gut Microbiota. <i>Frontiers in Nutrition</i> , <b>2021</b> , 8, 629740	6.2	15
20	The Influence of Peptidases in Intestinal Brush Border Membranes on the Absorption of Oligopeptides from Whey Protein Hydrolysate: An Ex Vivo Study Using an Ussing Chamber. <i>Foods</i> , <b>2020</b> , 9,	4.9	11
19	The Cheese Matrix Modulates the Immunomodulatory Properties of CIRM-BIA 129 in Healthy Piglets. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 2584	5.7	11
18	Effect of an abrupt switch from a milk-based to a fibre-based diet on gastric emptying rates in pigs: difference between origins of fibre. <i>British Journal of Nutrition</i> , <b>2004</b> , 92, 913-20	3.6	10
17	Interactive effects of maternal and weaning high linoleic acid intake on hepatic lipid metabolism, oxylipins profile and hepatic steatosis in offspring. <i>Journal of Nutritional Biochemistry</i> , <b>2020</b> , 75, 108241	6.3	10
16	Propionic fermentation by the probiotic <i>Propionibacterium freudenreichii</i> to functionalize whey. <i>Journal of Functional Foods</i> , <b>2019</b> , 52, 620-628	5.1	9
15	Maternal 18:3n-3 favors piglet intestinal passage of LPS and promotes intestinal anti-inflammatory response to this bacterial ligand. <i>Journal of Nutritional Biochemistry</i> , <b>2014</b> , 25, 1090-8	6.3	8

14	A high-protein formula increases colonic peptide transporter 1 activity during neonatal life in low-birth-weight piglets and disturbs barrier function later in life. <i>British Journal of Nutrition</i> , <b>2014</b> , 112, 1073-80	3.6	8
13	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> , <b>2006</b> , 95, 488-95	3.6	7
12	Post-natal co-development of the microbiota and gut barrier function follows different paths in the small and large intestine in piglets. <i>FASEB Journal</i> , <b>2020</b> , 34, 1430-1446	0.9	7
11	Neonatal high protein intake enhances neonatal growth without significant adverse renal effects in spontaneous IUGR piglets. <i>Physiological Reports</i> , <b>2017</b> , 5, e13296	2.6	6
10	Comparing the intestinal transcriptome of Meishan and Large White piglets during late fetal development reveals genes involved in glucose and lipid metabolism and immunity as valuable clues of intestinal maturity. <i>BMC Genomics</i> , <b>2017</b> , 18, 647	4.5	6
9	Chronic refined low-fat diet consumption reduces cholecystokinin satiation in rats. <i>European Journal of Nutrition</i> , <b>2019</b> , 58, 2497-2510	5.2	5
8	A piglet model of iatrogenic rectosigmoid hypoganglionosis reveals the impact of the enteric nervous system on gut barrier function and microbiota postnatal development. <i>Journal of Pediatric Surgery</i> , <b>2021</b> , 56, 337-345	2.6	4
7	Ethanolamine Produced from Oleoylethanolamide Degradation Contributes to Acetylcholine/Dopamine Balance Modulating Eating Behavior. <i>Journal of Nutrition</i> , <b>2019</b> , 149, 362-365	4.1	3
6	Soybean impairs Na(+)-dependent glucose absorption and Cl- secretion in porcine small intestine. <i>Reproduction, Nutrition, Development</i> , <b>2003</b> , 43, 409-18		3
5	Maternal Linoleic Acid Overconsumption Alters Offspring Gut and Adipose Tissue Homeostasis in Young but Not Older Adult Rats. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	3
4	New Insights Into Microbiota Modulation-Based Nutritional Interventions for Neurodevelopmental Outcomes in Preterm Infants. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 676622	5.7	3
3	Dietary switch to Western diet induces hypothalamic adaptation associated with gut microbiota dysbiosis in rats. <i>International Journal of Obesity</i> , <b>2021</b> , 45, 1271-1283	5.5	3
2	Lack of Hypothalamus Polysialylation Inducibility Correlates With Maladaptive Eating Behaviors and Predisposition to Obesity. <i>Frontiers in Nutrition</i> , <b>2018</b> , 5, 125	6.2	3
1	Insulin resistance per se drives early and reversible dysbiosis-mediated gut barrier impairment and bactericidal dysfunction.. <i>Molecular Metabolism</i> , <b>2022</b> , 57, 101438	8.8	1