Gaelle Boudry

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.

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	Insulin resistance per se drives early and reversible dysbiosis-mediated gut barrier impairment and bactericidal dysfunction.. *Molecular Metabolism*, **2022**, 57, 101438	8.8	1
48	The Relationship Between Breast Milk Components and the Infant Gut Microbiota. *Frontiers in Nutrition*, **2021**, 8, 629740	6.2	15
47	New Insights Into Microbiota Modulation-Based Nutritional Interventions for Neurodevelopmental Outcomes in Preterm Infants. *Frontiers in Microbiology*, **2021**, 12, 676622	5.7	3
46	A piglet model of iatrogenic rectosigmoid hypoganglionosis reveals the impact of the enteric nervous system on gut barrier function and microbiota postnatal development. *Journal of Pediatric Surgery*, **2021**, 56, 337-345	2.6	4
45	Dietary switch to Western diet induces hypothalamic adaptation associated with gut microbiota dysbiosis in rats. *International Journal of Obesity*, **2021**, 45, 1271-1283	5.5	3
44	Interactive effects of maternal and weaning high linoleic acid intake on hepatic lipid metabolism, oxylipins profile and hepatic steatosis in offspring. *Journal of Nutritional Biochemistry*, **2020**, 75, 108241	6.3	10
43	Post-natal co-development of the microbiota and gut barrier function follows different paths in the small and large intestine in piglets. *FASEB Journal*, **2020**, 34, 1430-1446	0.9	7
42	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. *Foods*, **2020**, 9,	4.9	11
41	Maternal Linoleic Acid Overconsumption Alters Offspring Gut and Adipose Tissue Homeostasis in Young but Not Older Adult Rats. *Nutrients*, **2020**, 12,	6.7	3
40	Propionic fermentation by the probiotic Propionibacterium freudenreichii to functionalize whey. *Journal of Functional Foods*, **2019**, 52, 620-628	5.1	9
39	Ethanolamine Produced from Oleoylethanolamide Degradation Contributes to Acetylcholine/Dopamine Balance Modulating Eating Behavior. *Journal of Nutrition*, **2019**, 149, 362-365	4.1	3
38	Chronic refined low-fat diet consumption reduces cholecystokinin satiation in rats. *European Journal of Nutrition*, **2019**, 58, 2497-2510	5.2	5
37	The Cheese Matrix Modulates the Immunomodulatory Properties of CIRM-BIA 129 in Healthy Piglets. *Frontiers in Microbiology*, **2018**, 9, 2584	5.7	11
36	Lack of Hypothalamus Polysialylation Inducibility Correlates With Maladaptive Eating Behaviors and Predisposition to Obesity. *Frontiers in Nutrition*, **2018**, 5, 125	6.2	3
35	Bovine milk oligosaccharides decrease gut permeability and improve inflammation and microbial dysbiosis in diet-induced obese mice. *Journal of Dairy Science*, **2017**, 100, 2471-2481	4	50
34	Western-diet consumption induces alteration of barrier function mechanisms in the ileum that correlates with metabolic endotoxemia in rats. *American Journal of Physiology - Endocrinology and Metabolism*, **2017**, 313, E107-E120	6	31
33	Neonatal high protein intake enhances neonatal growth without significant adverse renal effects in spontaneous IUGR piglets. *Physiological Reports*, **2017**, 5, e13296	2.6	6

32	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. *BMC Genomics*, **2017**, 18, 647	4.5	6
31	Gastrointestinal and hepatic mechanisms limiting entry and dissemination of lipopolysaccharide into the systemic circulation. *American Journal of Physiology - Renal Physiology*, **2016**, 311, G1-G15	5.1	83
30	Changes in intestinal barrier function and gut microbiota in high-fat diet-fed rats are dynamic and region dependent. *American Journal of Physiology - Renal Physiology*, **2015**, 308, G840-51	5.1	182
29	Maternal 18:3n-3 favors piglet intestinal passage of LPS and promotes intestinal anti-inflammatory response to this bacterial ligand. *Journal of Nutritional Biochemistry*, **2014**, 25, 1090-8	6.3	8
28	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. *British Journal of Nutrition*, **2014**, 112, 1073-80	3.6	8
27	A unique in vivo experimental approach reveals metabolic adaptation of the probiotic Propionibacterium freudenreichii to the colon environment. *BMC Genomics*, **2013**, 14, 911	4.5	25
26	Dietary protein excess during neonatal life alters colonic microbiota and mucosal response to inflammatory mediators later in life in female pigs. *Journal of Nutrition*, **2013**, 143, 1225-32	4.1	40
25	The first dairy product exclusively fermented by Propionibacterium freudenreichii: a new vector to study probiotic potentialities in vivo. *Food Microbiology*, **2012**, 32, 135-46	6	34
24	Assessment of the probiotic potential of a dairy product fermented by Propionibacterium freudenreichii in piglets. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 7917-27	5.7	38
23	The level of protein in milk formula modifies ileal sensitivity to LPS later in life in a piglet model. *PLoS ONE*, **2011**, 6, e19594	3.7	40
22	n-3 polyunsaturated fatty acids in the maternal diet modify the postnatal development of nervous regulation of intestinal permeability in piglets. *Journal of Physiology*, **2011**, 589, 4341-52	3.9	37
21	Effect of milk formula protein content on intestinal barrier function in a porcine model of LBW neonates. *Pediatric Research*, **2011**, 69, 4-9	3.2	33
20	Fatal effects of a neonatal high-protein diet in low-birth-weight piglets used as a model of intrauterine growth restriction. *Neonatology*, **2010**, 97, 321-8	4	30
19	Role of intestinal transporters in neonatal nutrition: carbohydrates, proteins, lipids, minerals, and vitamins. *Journal of Pediatric Gastroenterology and Nutrition*, **2010**, 51, 380-401	2.8	48
18	Breast- v. formula-feeding: impacts on the digestive tract and immediate and long-term health effects. *Nutrition Research Reviews*, **2010**, 23, 23-36	7	284
17	Linseed oil in the maternal diet increases long chain-PUFA status of the foetus and the newborn during the suckling period in pigs. *British Journal of Nutrition*, **2010**, 104, 533-43	3.6	30
16	A moderate threonine deficiency affects gene expression profile, paracellular permeability and glucose absorption capacity in the ileum of piglets. *Journal of Nutritional Biochemistry*, **2010**, 21, 914-21	6.3	45
15	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. *Journal of Nutrition*, **2009**, 139, 1110-7	4.1	42

14	Intestinal physiology and peptidase activity in male pigs are modulated by consumption of corn culture extracts containing fumonisins. *Journal of Nutrition*, **2009**, 139, 1303-7	4.1	19
13	Intestinal barrier function is modulated by short-term exposure to fumonisin B□n Ussing chambers. *Veterinary Research Communications*, **2009**, 33, 1039-43	2.9	20
12	Chronic psychological stress alters epithelial cell turn-over in rat ileum. *American Journal of Physiology - Renal Physiology*, **2007**, 292, G1228-32	5.1	20
11	Psychological stress impairs Na+-dependent glucose absorption and increases GLUT2 expression in the rat jejunal brush-border membrane. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2007**, 292, R862-7	3.2	34
10	Main intestinal markers associated with the changes in gut architecture and function in piglets after weaning. *British Journal of Nutrition*, **2007**, 97, 45-57	3.6	149
9	High-viscosity carboxymethylcellulose reduces carbachol-stimulated intestinal chloride secretion in weaned piglets fed a diet based on skimmed milk powder and maltodextrin. *British Journal of Nutrition*, **2006**, 95, 488-95	3.6	7
8	The Ussing chamber technique to evaluate alternatives to in-feed antibiotics for young pigs. *Animal Research*, **2005**, 54, 219-230		21
7	Gut function and dysfunction in young pigs: physiology. *Animal Research*, **2004**, 53, 301-316		188
6	Weaning induces both transient and long-lasting modifications of absorptive, secretory, and barrier properties of piglet intestine. *Journal of Nutrition*, **2004**, 134, 2256-62	4.1	236
5	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. *British Journal of Nutrition*, **2004**, 92, 913-20	3.6	10
4	Soybean impairs Na(+)-dependent glucose absorption and Cl- secretion in porcine small intestine. *Reproduction, Nutrition, Development*, **2003**, 43, 409-18		3
3	Diet-related adaptation of the small intestine at weaning in pigs is functional rather than structural. *Journal of Pediatric Gastroenterology and Nutrition*, **2002**, 34, 180-7	2.8	36
2	Metabolic fate of 2,4-dichloroaniline, prochloraz and nonylphenol diethoxylate in rainbow trout: a comparative in vivo/in vitro approach. *Aquatic Toxicology*, **2001**, 53, 159-72	5.1	33
1	Identification of the major metabolites of prochloraz in rainbow trout by liquid chromatography and tandem mass spectrometry. *Journal of Agricultural and Food Chemistry*, **2001**, 49, 3821-6	5.7	16