# Gaelle Boudry

List of Publications by Year
in descending order



| 52 | 2,681 | 236612 25 | 182168 51 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 52 | 52 | 52 | 3616 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Breast-v.formula-feeding: impacts on the digestive tract and immediate and long-term health effects. Nutrition Research Reviews, 2010, 23, 23-36. | 2.1 | 343 |
| 2 | Weaning Induces Both Transient and Long-Lasting Modifications of Absorptive, Secretory, and Barrier Properties of Piglet Intestine. Journal of Nutrition, 2004, 134, 2256-2262. | 1.3 | 290 |
| 3 | Gut function and dysfunction in young pigs: physiology. Animal Research, 2004, 53, 301-316. | 0.6 | 250 |
| 4 | 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-G851. | 1.6 | 249 |
| 5 | Main intestinal markers associated with the changes in gut architecture and function in piglets after weaning. British Journal of Nutrition, 2007, 97, 45-57. | 1.2 | 198 |
| 6 | Gastrointestinal and hepatic mechanisms limiting entry and dissemination of lipopolysaccharide into the systemic circulation. American Journal of Physiology - Renal Physiology, 2016, 311, G1-G15. | 1.6 | 116 |
| 7 | The Relationship Between Breast Milk Components and the Infant Gut Microbiota. Frontiers in Nutrition, 2021, 8, 629740. | 1.6 | 68 |
| 8 | 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. | 1.4 | 64 |
| 9 | A moderate threonine deficiency affects gene expression profile, paracellular permeability and glucose absorption capacity in the ileum of pigletsâ˜†â˜†â˜†. Journal of Nutritional Biochemistry, 2010, 21, 914-921. | 1.9 | 54 |
| 10 | 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, 1225-1232. | 1.3 | 53 |
| 11 | Role of Intestinal Transporters in Neonatal Nutrition: Carbohydrates, Proteins, Lipids, Minerals, and Vitamins. Journal of Pediatric Gastroenterology and Nutrition, 2010, 51, 380-401. | 0.9 | 52 |
| 12 | The first dairy product exclusively fermented by Propionibacterium freudenreichii: A new vector to study probiotic potentialities inÂvivo. Food Microbiology, 2012, 32, 135-146. | 2.1 | 51 |
| 13 | Assessment of the Probiotic Potential of a Dairy Product Fermented by Propionibacterium freudenreichii in Piglets. Journal of Agricultural and Food Chemistry, 2012, 60, 7917-7927. | 2.4 | 49 |
| 14 | 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. | 1.8 | 49 |
| 15 | The Level of Protein in Milk Formula Modifies Ileal Sensitivity to LPS Later in Life in a Piglet Model. PLoS ONE, 2011, 6, e19594. | 1.1 | 46 |
| 16 | Diet-Related Adaptation of the Small Intestine at Weaning in Pigs Is Functional Rather Than Structural. Journal of Pediatric Gastroenterology and Nutrition, 2002, 34, 180-187. | 0.9 | 44 |
| 17 | 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, 1110-1117. | 1.3 | 44 |
| 18 | Effect of Milk Formula Protein Content on Intestinal Barrier Function in a Porcine Model of LBW Neonates. Pediatric Research, 2011, 69, 4-9. | 1.1 | 44 |

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|---|---|---|---|
| 19 | 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-R867. | 0.9 | 43 |
| 20 | nâ€“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, 4341-4352. | 1.3 | 40 |
| 21 | Metabolic fate of 2,4-dichloroaniline, prochloraz and nonylphenol diethoxylate in rainbow trout: a comparative in vivo/in vitro approach. Aquatic Toxicology, 2001, 53, 159-172. | 1.9 | 39 |
| 22 | 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, 1415. | 1.9 | 39 |
| 23 | 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, 533-543. | 1.2 | 36 |
| 24 | A unique in vivo experimental approach reveals metabolic adaptation of the probiotic Propionibacterium freudenreichii to the colon environment. BMC Genomics, 2013, 14, 911. | 1.2 | 34 |
| 25 | Fatal Effects of a Neonatal High-Protein Diet in Low-Birth-Weight Piglets Used as a Model of Intrauterine Growth Restriction. Neonatology, 2010, 97, 321-328. | 0.9 | 33 |
| 26 | Mitochondrial function in intestinal epithelium homeostasis and modulation in diet-induced obesity. Molecular Metabolism, 2022, 63, 101546. | 3.0 | 27 |
| 27 | Postâ€natal coâ€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. | 0.2 | 26 |
| 28 | Chronic psychological stress alters epithelial cell turn-over in rat ileum. American Journal of Physiology - Renal Physiology, 2007, 292, G1228-G1232. | 1.6 | 25 |
| 29 | 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, 3821-3826. | 2.4 | 24 |
| 30 | Intestinal Physiology and Peptidase Activity in Male Pigs Are Modulated by Consumption of Corn Culture Extracts Containing Fumonisins. Journal of Nutrition, 2009, 139, 1303-1307. | 1.3 | 24 |
| 31 | The Ussing chamber technique to evaluate alternatives to in-feed antibiotics for young pigs. Animal Research, 2005, 54, 219-230. | 0.6 | 23 |
| 32 | Intestinal barrier function is modulated by short-term exposure to fumonisin B1 in Ussing chambers. Veterinary Research Communications, 2009, 33, 1039-1043. | 0.6 | 21 |
| 33 | 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. | 1.9 | 18 |
| 34 | The Cheese Matrix Modulates the Immunomodulatory Properties of Propionibacterium freudenreichii CIRM-BIA 129 in Healthy Piglets. Frontiers in Microbiology, 2018, 9, 2584. | 1.5 | 17 |
| 35 | Insulin resistance per se drives early and reversible dysbiosis-mediated gut barrier impairment and bactericidal dysfunction. Molecular Metabolism, 2022, 57, 101438. | 3.0 | 16 |
| 36 | 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, 913-920. | 1.2 | 13 |

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|---|---|---|---|
| 37 | 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. | 1.2 | 12 |
| 38 | Dietary switch to Western diet induces hypothalamic adaptation associated with gut microbiota dysbiosis in rats. International Journal of Obesity, 2021, 45, 1271-1283. | 1.6 | 12 |
| 39 | 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, 1073-1080. | 1.2 | 11 |
| 40 | Propionic fermentation by the probiotic Propionibacterium freudenreichii to functionalize whey. Journal of Functional Foods, 2019, 52, 620-628. | 1.6 | 11 |
| 41 | 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, 1090-1098. | 1.9 | 9 |
| 42 | New Insights Into Microbiota Modulation-Based Nutritional Interventions for Neurodevelopmental Outcomes in Preterm Infants. Frontiers in Microbiology, 2021, 12, 676622. | 1.5 | 9 |
| 43 | 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, 488-495. | 1.2 | 8 |
| 44 | Neonatal high protein intake enhances neonatal growth without significant adverse renal effects in spontaneous IUGR piglets. Physiological Reports, 2017, 5, e13296. | 0.7 | 8 |
| 45 | 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. | 0.8 | 8 |
| 46 | Chronic refined low-fat diet consumption reduces cholecystokinin satiation in rats. European Journal of Nutrition, 2019, 58, 2497-2510. | 1.8 | 7 |
| 47 | Maternal Linoleic Acid Overconsumption Alters Offspring Gut and Adipose Tissue Homeostasis in Young but Not Older Adult Rats. Nutrients, 2020, 12, 3451. | 1.7 | 5 |
| 48 | Soybean impairs Na+-dependent glucose absorption and Cl-secretion in porcine small intestine. Reproduction, Nutrition, Development, 2003, 43, 409-418. | 1.9 | 4 |
| 49 | Lack of Hypothalamus Polysialylation Inducibility Correlates With Maladaptive Eating Behaviors and Predisposition to Obesity. Frontiers in Nutrition, 2018, 5, 125. | 1.6 | 4 |
| 50 | Ethanolamine Produced from Oleoylethanolamide Degradation Contributes to Acetylcholine/Dopamine Balance Modulating Eating Behavior. Journal of Nutrition, 2019, 149, 362-365. | 1.3 | 4 |
| 51 | Different Fecal Microbiota in Hirschsprung's Patients With and Without Associated Enterocolitis. Frontiers in Microbiology, 0, 13, . | 1.5 | 4 |
| 52 | Evidence for Constitutive Microbiota-Dependent Short-Term Control of Food Intake in Mice: Is There a Link with Inflammation, Oxidative Stress, Endotoxemia, and GLP-1?. Antioxidants and Redox Signaling, 2022, 37, 349-369. | 2.5 | 3 |