

# David Val-Laillet

## List of Publications by Citations

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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.

60  
papers

1,437  
citations

17  
h-index

36  
g-index

63  
ext. papers

1,759  
ext. citations

3.6  
avg, IF

4.55  
L-index

#	Paper	IF	Citations
60	Neuroimaging and neuromodulation approaches to study eating behavior and prevent and treat eating disorders and obesity. <i>NeuroImage: Clinical</i> , <b>2015</b> , 8, 1-31	5.3	254
59	Critical review evaluating the pig as a model for human nutritional physiology. <i>Nutrition Research Reviews</i> , <b>2016</b> , 29, 60-90	7	143
58	The pig model in brain imaging and neurosurgery. <i>Animal</i> , <b>2009</b> , 3, 1138-51	3.1	132
57	Chronic vagus nerve stimulation decreased weight gain, food consumption and sweet craving in adult obese minipigs. <i>Appetite</i> , <b>2010</b> , 55, 245-52	4.5	87
56	Changes in brain activity after a diet-induced obesity. <i>Obesity</i> , <b>2011</b> , 19, 749-56	8	65
55	Allongrooming in cattle: Relationships between social preferences, feeding displacements and social dominance. <i>Applied Animal Behaviour Science</i> , <b>2009</b> , 116, 141-149	2.2	64
54	The concept of social dominance and the social distribution of feeding-related displacements between cows. <i>Applied Animal Behaviour Science</i> , <b>2008</b> , 111, 158-172	2.2	53
53	A maternal Western diet during gestation and lactation modifies offspring microbiota activity, blood lipid levels, cognitive responses, and hippocampal neurogenesis in Yucatan pigs. <i>FASEB Journal</i> , <b>2017</b> , 31, 2037-2049	0.9	47
52	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> , <b>2015</b> , 54, 1-24	5.2	44
51	Short communication: dominance in free-stall-housed dairy cattle is dependent upon resource. <i>Journal of Dairy Science</i> , <b>2008</b> , 91, 3922-6	4	39
50	Perinatal visceral events and brain mechanisms involved in the development of mother-young bonding in sheep. <i>Hormones and Behavior</i> , <b>2007</b> , 52, 92-8	3.7	36
49	A computed tomography scan application to evaluate adiposity in a minipig model of human obesity. <i>British Journal of Nutrition</i> , <b>2010</b> , 104, 1719-28	3.6	34
48	Oral sodium butyrate impacts brain metabolism and hippocampal neurogenesis, with limited effects on gut anatomy and function in pigs. <i>FASEB Journal</i> , <b>2018</b> , 32, 2160-2171	0.9	34
47	Fear and stress reactions in two species of duck and their hybrid. <i>Hormones and Behavior</i> , <b>2003</b> , 43, 568-72	3.7	28
46	A full belly and colostrum: two major determinants of filial love. <i>Developmental Psychobiology</i> , <b>2004</b> , 45, 163-73	3	27
45	Slower eating rate is independent to gastric emptying in obese minipigs. <i>Physiology and Behavior</i> , <b>2010</b> , 101, 462-8	3.5	19
44	Exposures to conditioned flavours with different hedonic values induce contrasted behavioural and brain responses in pigs. <i>PLoS ONE</i> , <b>2012</b> , 7, e37968	3.7	19

43	Emotional overeating is common and negatively associated with alcohol use in normal-weight female university students. <i>Appetite</i> , <b>2018</b> , 129, 186-191	4.5	16
42	Socio-spatial criteria are important for the establishment of maternal preference in lambs. <i>Applied Animal Behaviour Science</i> , <b>2006</b> , 96, 269-280	2.2	16
41	Prenatal, but not early postnatal, exposure to a Western diet improves spatial memory of pigs later in life and is paired with changes in maternal prepartum blood lipid levels. <i>FASEB Journal</i> , <b>2016</b> , 30, 2466-75	0.9	15
40	Activation centrale Da suite d'une stimulation vagale chronique chez le porc : apports de l'whagerie fonctionnelle. <i>Bulletin De L'Academie Veterinaire De France</i> , <b>2008</b> , 161, 441-448	2	15
39	Impact of sensory feed additives on feed intake, feed preferences, and growth of female piglets during the early postweaning period. <i>Journal of Animal Science</i> , <b>2014</b> , 92, 2133-40	0.7	14
38	Combined compared to dissociated oral and intestinal sucrose stimuli induce different brain hedonic processes. <i>Frontiers in Psychology</i> , <b>2014</b> , 5, 861	3.4	14
37	Flavour preference acquired via a beverage-induced conditioning and its transposition to solid food: Sucrose but not maltodextrin or saccharin induced significant flavour preferences in pigs. <i>Applied Animal Behaviour Science</i> , <b>2012</b> , 136, 26-36	2.2	14
36	Gastric tone, volume and emptying after implantation of an intragastric balloon for weight control. <i>Neurogastroenterology and Motility</i> , <b>2010</b> , 22, 1016-21, e265-6	4	13
35	Maternal Western diet during gestation and lactation modifies adult offspring's cognitive and hedonic brain processes, behavior, and metabolism in Yucatan minipigs. <i>FASEB Journal</i> , <b>2018</b> , 32, fj201701341	0.9	12
34	Perinatal Exposure to a Diet High in Saturated Fat, Refined Sugar and Cholesterol Affects Behaviour, Growth, and Feed Intake in Weaned Piglets. <i>PLoS ONE</i> , <b>2016</b> , 11, e0154698	3.7	11
33	Validation of a Psychosocial Chronic Stress Model in the Pig Using a Multidisciplinary Approach at the Gut-Brain and Behavior Levels. <i>Frontiers in Behavioral Neuroscience</i> , <b>2019</b> , 13, 161	3.5	10
32	Review: Impact of food, gut-brain signals and metabolic status on brain activity in the pig model: 10 years of nutrition research using brain imaging. <i>Animal</i> , <b>2019</b> , 13, 2699-2713	3.1	10
31	Familiarity to a Feed Additive Modulates Its Effects on Brain Responses in Reward and Memory Regions in the Pig Model. <i>PLoS ONE</i> , <b>2016</b> , 11, e0162660	3.7	10
30	The effects of sensory functional ingredients on food preferences, intake and weight gain in juvenile pigs. <i>Applied Animal Behaviour Science</i> , <b>2012</b> , 138, 36-46	2.2	9
29	Early discrimination of the mother by rabbit pups. <i>Applied Animal Behaviour Science</i> , <b>2008</b> , 111, 173-182	2.2	9
28	Nonnutritive sucking: one of the major determinants of filial love. <i>Developmental Psychobiology</i> , <b>2006</b> , 48, 220-32	3	9
27	Adding the oxygen carrier M101 to a cold-storage solution could be an alternative to HOPE for liver graft preservation. <i>JHEP Reports</i> , <b>2020</b> , 2, 100119	10.3	9
26	fMRI-Based Brain Responses to Quinine and Sucrose Gustatory Stimulation for Nutrition Research in the Minipig Model: A Proof-of-Concept Study. <i>Frontiers in Behavioral Neuroscience</i> , <b>2018</b> , 12, 151	3.5	8

25	Differential c-Fos expression in the newborn lamb nucleus tractus solitarius and area postrema following ingestion of colostrum or saline. <i>Brain Research</i> , <b>2004</b> , 1028, 203-12	3.7	8
24	Meeting of Minds around Food Addiction: Insights from Addiction Medicine, Nutrition, Psychology, and Neurosciences. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	8
23	Effects of chronic intake of starch-, glucose- and fructose-containing diets on eating behaviour in adult minipigs. <i>Applied Animal Behaviour Science</i> , <b>2014</b> , 157, 61-71	2.2	7
22	An attempt to condition flavour preference induced by oral and/or postoral administration of 16% sucrose in pigs. <i>Physiology and Behavior</i> , <b>2014</b> , 124, 107-15	3.5	7
21	Effects of Chronic Consumption of Sugar-Enriched Diets on Brain Metabolism and Insulin Sensitivity in Adult Yucatan Minipigs. <i>PLoS ONE</i> , <b>2016</b> , 11, e0161228	3.7	7
20	Assessing walking posture with geometric morphometrics: Effects of rearing environment in pigs. <i>Applied Animal Behaviour Science</i> , <b>2016</b> , 174, 32-41	2.2	5
19	Long-term exposure to sensory feed additives during the gestational and postnatal periods affects sows' colostrum and milk sensory profiles, piglets' growth, and feed intake. <i>Journal of Animal Science</i> , <b>2018</b> , 96, 3233-3248	0.7	5
18	fMRI-Based Brain Responses to Olfactory Stimulation with Two Putatively Orexigenic Functional Food Ingredients at Two Different Concentrations in the Pig Model. <i>Journal of Food Science</i> , <b>2019</b> , 84, 2666-2673	3.4	5
17	Behavioural and neurobiological effects of colostrum ingestion in the newborn lamb associated with filial bonding. <i>European Journal of Neuroscience</i> , <b>2009</b> , 30, 639-50	3.5	5
16	A maternal Western diet during gestation and lactation modifies offspring's microglial cell density and morphology in the hippocampus and prefrontal cortex in Yucatan minipigs. <i>Neuroscience Letters</i> , <b>2020</b> , 739, 135395	3.3	5
15	Behavioural reactivity, social and cognitive abilities of Vietnamese and Pitman-Moore weaned piglets. <i>Applied Animal Behaviour Science</i> , <b>2013</b> , 148, 108-119	2.2	4
14	Interactions between emotions and eating behaviors: Main issues, neuroimaging contributions, and innovative preventive or corrective strategies.. <i>Reviews in Endocrine and Metabolic Disorders</i> , <b>2022</b> , 1	10.5	4
13	Obesogenic diets have deleterious effects on fat deposits irrespective of the nature of dietary carbohydrates in a Yucatan minipig model. <i>Nutrition Research</i> , <b>2016</b> , 36, 947-954	4	4
12	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
11	Neuromodulatory and possible anxiolytic-like effects of a spice functional food ingredient in a pig model of psychosocial chronic stress. <i>Journal of Functional Foods</i> , <b>2020</b> , 64, 103599	5.1	3
10	Western diet, obesity and bariatric surgery sequentially modulated anxiety, eating patterns and brain responses to sucrose in adult Yucatan minipigs. <i>Scientific Reports</i> , <b>2020</b> , 10, 20130	4.9	3
9	Locomotion and eating behavior changes in Yucatan minipigs after unilateral radio-induced ablation of the caudate nucleus. <i>Scientific Reports</i> , <b>2019</b> , 9, 17082	4.9	3
8	Tu1753 Central Functions Altered by Chronic High-Lipids Diets Enriched With Omega-3, Omega-6 or Saturated Fat. <i>Gastroenterology</i> , <b>2013</b> , 144, S-837	13.3	2

7	Regular exposure to a Citrus-based sensory functional food ingredient alleviates the BOLD brain responses to acute pharmacological stress in a pig model of psychosocial chronic stress. <i>PLoS ONE</i> , <b>2020</b> , 15, e0243893	3.7	2
6	Food addiction among morbidly obese patients: prevalence and links with obesity complications. <i>Journal of Addictive Diseases</i> , <b>2021</b> , 1-8	1.7	2
5	Hypothesis paper: electroacupuncture targeting the gut-brain axis to modulate neurocognitive determinants of eating behavior-toward a proof of concept in the obese minipig model. <i>Eating and Weight Disorders</i> , <b>2021</b> , 26, 61-74	3.6	2
4	Using encapsulated freeze-dried lipids to trigger a gastrointestinal vagal reflex: validation in a pig model. <i>Neurogastroenterology and Motility</i> , <b>2014</b> , 26, 596-601	4	1
3	Implementation of a New Food Picture Database in the Context of fMRI and Visual Cognitive Food-Choice Task in Healthy Volunteers. <i>Frontiers in Psychology</i> , <b>2019</b> , 10, 2620	3.4	1
2	Obesity Animal Models for Acupuncture and Related Therapy Research Studies. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2021</b> , 2021, 6663397	2.3	1
1	Contrasted central effects of n-3 versus n-6 diets on brain functions in diet-induced obesity in minipigs. <i>Nutritional Neuroscience</i> , <b>2021</b> , 1-13	3.6	