

# David Val-Laillet

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

1,997  
citations

361045

20  
h-index

253896

43  
g-index

63  
all docs

63  
docs citations

63  
times ranked

2948  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuroimaging and neuromodulation approaches to study eating behavior and prevent and treat eating disorders and obesity. <i>NeuroImage: Clinical</i> , 2015, 8, 1-31.	1.4	351
2	Critical review evaluating the pig as a model for human nutritional physiology. <i>Nutrition Research Reviews</i> , 2016, 29, 60-90.	2.1	204
3	The pig model in brain imaging and neurosurgery. <i>Animal</i> , 2009, 3, 1138-1151.	1.3	193
4	Chronic vagus nerve stimulation decreased weight gain, food consumption and sweet craving in adult obese minipigs. <i>Appetite</i> , 2010, 55, 245-252.	1.8	103
5	Allogrooming in cattle: Relationships between social preferences, feeding displacements and social dominance. <i>Applied Animal Behaviour Science</i> , 2009, 116, 141-149.	0.8	97
6	Changes in Brain Activity After a Diet-Induced Obesity. <i>Obesity</i> , 2011, 19, 749-756.	1.5	85
7	The concept of social dominance and the social distribution of feeding-related displacements between cows. <i>Applied Animal Behaviour Science</i> , 2008, 111, 158-172.	0.8	78
8	A maternal Western diet during gestation and lactation modifies offspring's microbiota activity, blood lipid levels, cognitive responses, and hippocampal neurogenesis in Yucatan pigs. <i>FASEB Journal</i> , 2017, 31, 2037-2049.	0.2	63
9	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.	0.2	58
10	Short Communication: Dominance in Free-Stall-Housed Dairy Cattle Is Dependent upon Resource. <i>Journal of Dairy Science</i> , 2008, 91, 3922-3926.	1.4	52
11	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.	1.8	50
12	Perinatal visceral events and brain mechanisms involved in the development of mother-young bonding in sheep. <i>Hormones and Behavior</i> , 2007, 52, 92-98.	1.0	44
13	A computed tomography scan application to evaluate adiposity in a minipig model of human obesity. <i>British Journal of Nutrition</i> , 2010, 104, 1719-1728.	1.2	36
14	Fear and stress reactions in two species of duck and their hybrid. <i>Hormones and Behavior</i> , 2003, 43, 568-572.	1.0	31
15	A full belly and colostrum: Two major determinants of filial love. <i>Developmental Psychobiology</i> , 2004, 45, 163-173.	0.9	31
16	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> , 2014, 92, 2133-2140.	0.2	29
17	Emotional overeating is common and negatively associated with alcohol use in normal-weight female university students. <i>Appetite</i> , 2018, 129, 186-191.	1.8	27
18	Meeting of Minds around Food Addiction: Insights from Addiction Medicine, Nutrition, Psychology, and Neurosciences. <i>Nutrients</i> , 2020, 12, 3564.	1.7	24

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19	Exposures to Conditioned Flavours with Different Hedonic Values Induce Contrasted Behavioural and Brain Responses in Pigs. <i>PLoS ONE</i> , 2012, 7, e37968.	1.1	24
20	Adding the oxygen carrier M101 to a cold-storage solution could be an alternative to HOPE for liver graft preservation. <i>JHEP Reports</i> , 2020, 2, 100119.	2.6	23
21	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> , 2016, 30, 2466-2475.	0.2	22
22	Slower eating rate is independent to gastric emptying in obese minipigs. <i>Physiology and Behavior</i> , 2010, 101, 462-468.	1.0	21
23	Interactions between emotions and eating behaviors: Main issues, neuroimaging contributions, and innovative preventive or corrective strategies. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2022, 23, 807-831.	2.6	20
24	Review: Impact of food, gut-brain signals and metabolic status on brain activity in the pig model: 10 years of nutrition research using in vivo brain imaging. <i>Animal</i> , 2019, 13, 2699-2713.	1.3	18
25	Socio-spatial criteria are important for the establishment of maternal preference in lambs. <i>Applied Animal Behaviour Science</i> , 2006, 96, 269-280.	0.8	17
26	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> , 2012, 136, 26-36.	0.8	16
27	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> , 2019, 13, 161.	1.0	16
28	Gastric tone, volume and emptying after implantation of an intragastric balloon for weight control. <i>Neurogastroenterology and Motility</i> , 2010, 22, 1016.	1.6	15
29	The effects of sensory functional ingredients on food preferences, intake and weight gain in juvenile pigs. <i>Applied Animal Behaviour Science</i> , 2012, 138, 36-46.	0.8	14
30	Combined compared to dissociated oral and intestinal sucrose stimuli induce different brain hedonic processes. <i>Frontiers in Psychology</i> , 2014, 5, 861.	1.1	14
31	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> , 2018, 32, 6478-6794.	0.2	14
32	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> , 2016, 11, e0154698.	1.1	14
33	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> , 2018, 12, 151.	1.0	13
34	Familiarity to a Feed Additive Modulates Its Effects on Brain Responses in Reward and Memory Regions in the Pig Model. <i>PLoS ONE</i> , 2016, 11, e0162660.	1.1	13
35	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.	0.8	11
36	Nonnutritive sucking: One of the major determinants of filial love. <i>Developmental Psychobiology</i> , 2006, 48, 220-232.	0.9	10

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37	Early discrimination of the mother by rabbit pups. <i>Applied Animal Behaviour Science</i> , 2008, 111, 173-182.	0.8	10
38	Differential c-Fos expression in the newborn lamb nucleus tractus solitarius and area postrema following ingestion of colostrum or saline. <i>Brain Research</i> , 2004, 1028, 203-212.	1.1	9
39	Assessing walking posture with geometric morphometrics: Effects of rearing environment in pigs. <i>Applied Animal Behaviour Science</i> , 2016, 174, 32-41.	0.8	9
40	Locomotion and eating behavior changes in Yucatan minipigs after unilateral radio-induced ablation of the caudate nucleus. <i>Scientific Reports</i> , 2019, 9, 17082.	1.6	9
41	Food addiction among morbidly obese patients: prevalence and links with obesity complications. <i>Journal of Addictive Diseases</i> , 2022, 40, 103-110.	0.8	9
42	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> , 2019, 84, 2666-2673.	1.5	8
43	An attempt to condition flavour preference induced by oral and/or postoral administration of 16% sucrose in pigs. <i>Physiology and Behavior</i> , 2014, 124, 107-115.	1.0	7
44	Effects of Chronic Consumption of Sugar-Enriched Diets on Brain Metabolism and Insulin Sensitivity in Adult Yucatan Minipigs. <i>PLoS ONE</i> , 2016, 11, e0161228.	1.1	7
45	Western diet, obesity and bariatric surgery sequentially modulated anxiety, eating patterns and brain responses to sucrose in adult Yucatan minipigs. <i>Scientific Reports</i> , 2020, 10, 20130.	1.6	7
46	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> , 2018, 96, 3233-3248.	0.2	6
47	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> , 2020, 64, 103599.	1.6	6
48	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> , 2020, 739, 135395.	1.0	6
49	Behavioural and neurobiological effects of colostrum ingestion in the newborn lamb associated with filial bonding. <i>European Journal of Neuroscience</i> , 2009, 30, 639-650.	1.2	5
50	Behavioural reactivity, social and cognitive abilities of Vietnamese and Pitman-Moore weaned piglets. <i>Applied Animal Behaviour Science</i> , 2013, 148, 108-119.	0.8	5
51	Brain Responses to Food Choices and Decisions Depend on Individual Hedonic Profiles and Eating Habits in Healthy Young Women. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	5
52	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.	1.3	4
53	Ethanolamine Produced from Oleoylethanolamide Degradation Contributes to Acetylcholine/Dopamine Balance Modulating Eating Behavior. <i>Journal of Nutrition</i> , 2019, 149, 362-365.	1.3	4
54	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> , 2020, 15, e0243893.	1.1	4

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55	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.	0.6	2
56	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> , 2019, 10, 2620.	1.1	2
57	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> , 2021, 26, 61-74.	1.2	2
58	Obesity Animal Models for Acupuncture and Related Therapy Research Studies. Evidence-based Complementary and Alternative Medicine, 2021, 2021, 1-29.	0.5	2
59	T1807 Chronic Vagus Nerve Stimulation Induces Long Lasting Weight Gain and Daily Consumption Reductions in Adult Obese Animals. <i>Gastroenterology</i> , 2009, 136, A-584.	0.6	1
60	Using encapsulated freeze-dried lipids to trigger a gastrointestinal vagal reflex: validation in a pig model. <i>Neurogastroenterology and Motility</i> , 2014, 26, 596-601.	1.6	1
61	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.	1.5	0