Leticia Abecia

List of Publications by Year
in descending order

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78 papers	3,418 citations	218677 26 h-index	149698 56 g-index
79 all docs	79 docs citations	79 times ranked	3902 citing authors

#	Article	IF	Citations
1	Mitochondrial bioenergetics boost macrophage activation, promoting liver regeneration in metabolically compromised animals. Hepatology, 2022, 75, 550-566.	7.3	25
2	Resazurin-based high-throughput screening method for the discovery of dietary phytochemicals to target microbial transformation of <scp>l</scp>-carnitine into trimethylamine, a gut metabolite associated with cardiovascular disease. Food and Function, 2022, 13, 5640-5653.	4.6	3
3	Mitochondrial complex I dysfunction alters the balance of soluble and membrane-bound TNF during chronic experimental colitis. Scientific Reports, 2022, 12, .	3.3	2
4	Borrelia burgdorferi infection induces long-term memory-like responses in macrophages with tissue-wide consequences in the heart. PLoS Biology, 2021, 19, e3001062.	5.6	7
5	The commensal bacterium Lactiplantibacillus plantarum imprints innate memory-like responses in mononuclear phagocytes. Gut Microbes, 2021, 13, 1939598.	9.8	8
6	Peripheral blood mononuclear cells (PBMC) microbiome is not affected by colon microbiota in healthy goats. Animal Microbiome, 2021, 3, 28.	3.8	8
7	MCJ deficiency results in gut barrier dysfunction and macrophage-elicited inflammation following ethanol consumption, facilitating alcoholic endotoxemia. Journal of Hepatology, 2020, 73, S79.	3.7	0
8	Transplantation of gut microbiota derived from MCJ-KO genotype determines a protective profile against non-alcoholic fatty liver disease in germ-free mice. Journal of Hepatology, 2020, 73, S239.	3.7	0
9	A structurally unique Fusobacterium nucleatum tannase provides detoxicant activity against gallotannins and pathogen resistance. Microbial Biotechnology, 2020, , .	4.2	3
10	The mitochondrial negative regulator MCJ modulates the interplay between microbiota and the host during ulcerative colitis. Scientific Reports, 2020, 10, 572.	3.3	17
11	Gut microbiome and serum metabolome analyses identify molecular biomarkers and altered glutamate metabolism in fibromyalgia. EBioMedicine, 2019, 46, 499-511.	6.1	128
12	Effect of Feeding Cold-Pressed Sunflower Cake on Ruminal Fermentation, Lipid Metabolism and Bacterial Community in Dairy Cows. Animals, 2019, 9, 755.	2.3	15
13	TLR2 and TLR4 interact with sulfide system in the modulation of mouse colonic motility. Neurogastroenterology and Motility, 2019, 31, e13648.	3.0	8
14	Host-microbiome interactions in response to a high-saturated fat diet and fish-oil supplementation in zebrafish adult. Journal of Functional Foods, 2019, 60, 103416.	3.4	10
15	Characterisation of the effect of day length, and associated differences in dietary intake, on the gut microbiota of Soay sheep. Archives of Microbiology, 2019, 201, 889-896.	2.2	12
16	Regulation of macrophage activity by surface receptors contained within Borrelia burgdorferi-enriched phagosomal fractions. PLoS Pathogens, 2019, 15, e1008163.	4.7	20
17	A multi-omic analysis reveals the regulatory role of CD180 during the response of macrophages to Borrelia burgdorferi. Emerging Microbes and Infections, 2018, 7, 1-13.	6.5	9
18	Comparison of automated ribosomal intergenic spacer analysis (ARISA) and denaturing gradient gel electrophoresis (DGGE) techniques for analysing the influence of diet on ruminal bacterial diversity. Archives of Animal Nutrition, 2018, 72, 85-99.	1.8	1

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19	Identification of a highly active tannase enzyme from the oral pathogen Fusobacterium nucleatum subsp. polymorphum. Microbial Cell Factories, 2018, 17, 33.	4.0	17
20	Analysis of the Rumen Microbiome and Metabolome to Study the Effect of an Antimethanogenic Treatment Applied in Early Life of Kid Goats. Frontiers in Microbiology, 2018, 9, 2227.	3.5	31
21	Effect of dietary fat to starch content on fecal microbiota composition and activity in dogs1. Journal of Animal Science, 2018, 96, 3684-3698.	0.5	35
22	High-Fat Diet Consumption Induces Microbiota Dysbiosis and Intestinal Inflammation in Zebrafish. Microbial Ecology, 2018, 76, 1089-1101.	2.8	68
23	The immunosuppressive effect of the tick protein, Salp15, is long-lasting and persists in a murine model of hematopoietic transplant. Scientific Reports, 2017, 7, 10740.	3.3	14
24	Nutritive evaluation and milk quality of including of tomato or olive by-products silages with sunflower oil in the diet of dairy goats. Animal Feed Science and Technology, 2017, 232, 57-70.	2.2	54
25	Natural and artificial feeding management before weaning promote different rumen microbial colonization but not differences in gene expression levels at the rumen epithelium of newborn goats. PLoS ONE, 2017, 12, e0182235.	2.5	39
26	Pyrosequencing study of caecal bacterial community of rabbit does and kits from a farm affected by epizootic rabbit enteropathy. World Rabbit Science, 2017, 25, 261.	0.6	3
27	Rumen microbial community composition varies with diet and host, but a core microbiome is found across a wide geographical range. Scientific Reports, 2015, 5, 14567.	3.3	1,172
28	Effect of slurry dilution, structural carbohydrates, and exogenous archaea supply on in vitro anaerobe fermentation and methanogens population of swine slurry. Environmental Progress and Sustainable Energy, 2015, 34, 54-64.	2.3	3
29	Manipulating rumen microbiome and fermentation through interventions during early life: a review. Frontiers in Microbiology, 2015, 6, 1133.	3.5	221
30	Effects of feed additives on ileal mucosaâ€“associated microbiota composition of broiler chickens1. Journal of Animal Science, 2015, 93, 3410-3420.	0.5	21
31	Antibiotic-Induced Depletion of Murine Microbiota Induces Mild Inflammation and Changes in Toll-Like Receptor Patterns and Intestinal Motility. Microbial Ecology, 2015, 70, 835-848.	2.8	102
32	Effect of grinding or pelleting high grain maize- or barley-based concentrates on rumen environment and microbiota of beef cattle. Animal Feed Science and Technology, 2015, 203, 67-78.	2.2	13
33	Response of the rumen archaeal and bacterial populations to anti-methanogenic organosulphur compounds in continuous-culture fermenters. FEMS Microbiology Ecology, 2015, 91, fiv079.	2.7	23
34	Effect of type (barley vs. maize) and processing (grinding vs. dry rolling) of cereal on ruminal fermentation and microbiota of beef calves during the early fattening period. Animal Feed Science and Technology, 2015, 199, 113-126.	2.2	26
35	An Antimethanogenic Nutritional Intervention in Early Life of Ruminants Modifies Ruminal Colonization by Archaea. Archaea, 2014, 2014, 1-12.	2.3	78
36	Welfare state of dairy cows in three European low-input and organic systems. Organic Agriculture, 2014, 4, 309-311.	2.4	7

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37	Feeding management in early life influences microbial colonisation and fermentation in the rumen of newborn goat kids. Animal Production Science, 2014, 54, 1449.	1.3	58
38	Effects of propyl propane thiosulfinate on nutrient utilization, ruminal fermentation, microbial population and methane emissions in goats. Animal Feed Science and Technology, 2014, 191, 16-25.	2.2	11
39	Rumen bacterial community evaluated by 454 pyrosequencing and terminal restriction fragment length polymorphism analyses in dairy sheep fed marine algae. Journal of Dairy Science, 2014, 97, 1661-1669.	3.4	60
40	Microbial and chemical composition of liquidâ€ssociated bacteria in goats' rumen and fermenters. Journal of Animal Physiology and Animal Nutrition, 2014, 98, 1001-1012.	2.2	4
41	The effect of BioflavexÂ® and its pure flavonoid components on in vitro fermentation parameters and methane production in rumen fluid from steers given high concentrate diets. Animal Feed Science and Technology, 2014, 197, 85-91.	2.2	69
42	Effects of ethyl-3-nitrooxy propionate and 3-nitrooxypropanol on ruminal fermentation, microbial abundance, and methane emissions in sheep. Journal of Dairy Science, 2014, 97, 3790-3799.	3.4	87
43	Molecular comparative assessment of the microbial ecosystem in rumen and faeces of goats fed alfalfa hay alone or combined with oats. Anaerobe, 2014, 29, 52-58.	2.1	21
44	Comparative study of fermentation and methanogen community structure in the digestive tract of goats and rabbits. Journal of Animal Physiology and Animal Nutrition, 2013, 97, 80-88.	2.2	9
45	Galacto-oligosaccharides Derived from Lactulose Exert a Selective Stimulation on the Growth of Bifidobacterium animalis in the Large Intestine of Growing Rats. Journal of Agricultural and Food Chemistry, 2013, 61, 7560-7567.	5.2	61
46	Garlic derived compounds modify ruminal fatty acid biohydrogenation and induce shifts in the Butyrivibrio community in continuous-culture fermenters. Animal Feed Science and Technology, 2013, 184, 38-48.	2.2	22
47	Microbial ecosystem and fermentation traits in the caecum of growing rabbits given diets varying in neutral detergent soluble and insoluble fibre levels. Anaerobe, 2013, 20, 50-57.	2.1	7
48	Characterisation of caecal microbial diversity of lactating does and their offspring given diets with different neutral detergent soluble to insoluble fibre ratios. Antonie Van Leeuwenhoek, 2013, 103, 1057-1068.	1.7	1
49	In vitroâ€“in vivo study on the effects of plant compounds on rumen fermentation, microbial abundances and methane emissions in goats. Animal, 2013, 7, 1925-1934.	3.3	27
50	Total IgA and IgG levels in goats fed diets including greenhouse wastes. Proceedings of the Nutrition Society, 2013, 72, .	1.0	0
51	Analysis of the early life treatment to kids with a halogenated methane analogue additive on immunoglobulin G levels. Proceedings of the Nutrition Society, 2013, 72, .	1.0	0
52	IgA levels in lactating dairy goats fed diets including greenhouse wastes. Proceedings of the Nutrition Society, 2013, 72, .	1.0	0
53	A ring test of a wireless in vitro gas production system. Animal Production Science, 2013, 53, 585.	1.3	34
54	Nutritional intervention in early life to manipulate rumen microbial colonization and methane output by kid goats postweaning1. Journal of Animal Science, 2013, 91, 4832-4840.	0.5	99

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55	Effect of bromochloromethane on methane emission, rumen fermentation pattern, milk yield, and fatty acid profile in lactating dairy goats. Journal of Dairy Science, 2012, 95, 2027-2036.	3.4	99
56	Bacterial profile from caecal contents and soft faeces in growing rabbits given diets differing in soluble and insoluble fibre levels. Anaerobe, 2012, 18, 602-607.	2.1	9
57	Effect of carbohydrate source on microbial nitrogen recycling in growing rabbits. Livestock Science, 2012, 150, 94-101.	1.6	3
58	Biodiversity and fermentative activity of caecal microbial communities in wild and farm rabbits from Spain. Anaerobe, 2012, 18, 344-349.	2.1	16
59	Preliminary study on the effect of early life treatment to kids with an antimethanogenic additive. Proceedings of the Nutrition Society, 2011, 70, .	1.0	1
60	Effect of litter size and bacitracin administration on tissue protein synthesis of lactating rabbit does. Animal, 2011, 5, 100-106.	3.3	1
61	Study of the effect of presence or absence of protozoa on rumen fermentation and microbial protein contribution to the chyme1. Journal of Animal Science, 2011, 89, 4163-4174.	0.5	46
62	METHANOGENESIS IN RABBIT CAECUM AS AFFECTED BY THE FERMENTATION PATTERN: IN VITRO AND IN VIVO MEASUREMENTS. World Rabbit Science, 2011, 19, 75-83.	0.6	18
63	EFFECTS OF LEVELS OF INSOLUBLE AND SOLUBLE FIBRE IN DIETS FOR GROWING RABBITS ON FAECAL DIGESTIBILITY, NITROGEN RECYCLING AND IN VITRO FERMENTATION. World Rabbit Science, 2011, 19, 85-94.	0.6	18
64	In vitro investigation of the effects of tryptophan fermentation products on immune response. Proceedings of the Nutrition Society, 2010, 69, .	1.0	0
65	Effects of preservation procedures of rumen inoculum on in vitro microbial diversity and fermentation. Animal Feed Science and Technology, 2010, 155, 186-193.	2.2	37
66	Rumen protozoal diversity in the Spanish ibex (Capra pyrenaica hispanica) as compared with domestic goats (Capra hircus). European Journal of Protistology, 2009, 45, 112-120.	1.5	12
67	Silver nanoparticles as a potential antimicrobial additive for weaned pigs. Animal Feed Science and Technology, 2009, 150, 259-269.	2.2	150
68	Gut microbiome modulates the toxicity of hydrazine: a metabonomic study. Molecular BioSystems, 2009, 5, 351.	2.9	59
69	Post-Genomics Approaches towards Monitoring Changes within the Microbial Ecology of the Gut. , 2009, , 79-110.		0
70	Alternative methodologies to estimate ingestion of caecotrophes in growing rabbits. Livestock Science, 2008, 115, 13-19.	1.6	3
71	Contribution of gut microbial lysine to liver and milk amino acids in lactating does. British Journal of Nutrition, 2008, 100, 977-983.	2.3	4
72	The effect of lactating rabbit does on the development of the caecal microbial community in the pups they nurture. Journal of Applied Microbiology, 2007, 103, 557-564.	3.1	32

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73	The effect of medicated diets and level of feeding on caecal microbiota of lactating rabbit does. Journal of Applied Microbiology, 2007, 103, 787-793.	3.1	24
74	Effect of antibiotics on the bacterial population of the rabbit caecum. FEMS Microbiology Letters, 2007, 272, 144-153.	1.8	17
75	Molecular profiling of bacterial species in the rabbit caecum. FEMS Microbiology Letters, 2005, 244, 111-115.	1.8	54
76	Rumen microbial population dynamics in response to photoperiod. Letters in Applied Microbiology, 2005, 41, 97-101.	2.2	32
77	Effect of fumaric acid on diet digestibility and the caecal environment of growing rabbits. Animal Research, 2005, 54, 493-498.	0.6	5
78	Effect of therapeutic doses of antibiotics in the diet on the digestibility and caecal fermentation in growing rabbits. Animal Research, 2005, 54, 307-314.	0.6	4