Florian Leiber

List of Publications by Year
in descending order

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96	4,560	172457	106344
papers	citations	29 h-index	65 g-index

98	98	98	4963
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Strategies for feeding the world more sustainably with organic agriculture. Nature Communications, 2017, 8, 1290.	12.8	437
3	Metaâ€analysis of the relationship between dietary tannin level and methane formation in ruminants from ‹i›in vivo‹/i› and ‹i›in vitro‹/i› experiments. Journal of Animal Physiology and Animal Nutrition, 2012, 96, 365-375.	2.2	249
4	Impacts of feeding less food-competing feedstuffs to livestock on global food system sustainability. Journal of the Royal Society Interface, 2015, 12, 20150891.	3.4	211
5	A study on the causes for the elevated nâˆ’3 fatty acids in cows' milk of alpine origin. Lipids, 2005, 40, 191-202.	1.7	200
6	Evidence for the inhibition of the terminal step of ruminal Î±-linolenic acid biohydrogenation by condensed tannins. Journal of Dairy Science, 2009, 92, 177-188.	3.4	176
7	The sustainable development of grassland-livestock systems on the Tibetan plateau: problems, strategies and prospects. Rangeland Journal, 2014, 36, 267.	0.9	116
8	Replacement of soybean cake by Hermetia illucens meal in diets for layers. Journal of Insects As Food and Feed, 2016, 2, 83-90.	3.9	112
9	Dependence of forage quality and methanogenic potential of tropical plants on their phenolic fractions as determined by principal component analysis. Animal Feed Science and Technology, 2011, 163, 231-243.	2.2	110
10	Dietary Î±-Linolenic Acid Inhibits Arterial Thrombus Formation, Tissue Factor Expression, and Platelet Activation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 1772-1780.	2.4	73
11	Hermetia illucens meal as fish meal replacement for rainbow trout on farm. Journal of Insects As Food and Feed, 2017, 3, 165-175.	3.9	73
12	Gentle touching in early life reduces avoidance distance and slaughter stress in beef cattle. Applied Animal Behaviour Science, 2012, 139, 42-49.	1.9	66
13	Plant diversity effects on forage quality, yield and revenues of semi-natural grasslands. Nature Communications, 2020, 11, 768.	12.8	62
14	Flowering catch crops used as forage plants for dairy cows: Influence on fatty acids and tocopherols in milk. Journal of Dairy Science, 2011, 94, 1477-1489.	3.4	59
15	Dietary Î±-linolenic acid diminishes experimental atherogenesis and restricts T cell-driven inflammation. European Heart Journal, 2011, 32, 2573-2584.	2.2	56
16	Significance of phenolic compounds in tropical forages for the ruminal bypass of polyunsaturated fatty acids and the appearance of biohydrogenation intermediates as examined in vitro. Animal Production Science, 2011, 51, 1127.	1.3	52
17	Insect and legume-based protein sources to replace soybean cake in an organic broiler diet: Effects on growth performance and physical meat quality. Renewable Agriculture and Food Systems, 2017, 32, 21-27.	1.8	52
18	Black soldier fly larvae meal and fat can completely replace soybean cake and oil in diets for laying hens. Poultry Science, 2021, 100, 101034.	3.4	52

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19	Alpha-linolenic and linoleic acid in meat and adipose tissue of grazing lambs differ among alpine pasture types with contrasting plant species and phenolic compound composition. Small Ruminant Research, 2014, 116, 153-164.	1.2	49
20	Significance of Coprophagy for the Fatty Acid Profile in Body Tissues of Rabbits Fed Different Diets. Lipids, 2008, 43, 853-865.	1.7	48
21	Ruminal disappearance of polyunsaturated fatty acids and appearance of biohydrogenation products when incubating linseed oil with alpine forage plant species in vitro. Livestock Science, 2012, 147, 104-112.	1.6	45
22	Contribution of diet type and pasture conditions to the influence of high altitude grazing on intake, performance and composition and renneting properties of the milk of cows. Animal Research, 2006, 55, 37-53.	0.6	42
23	Global population genetic structure and demographic trajectories of the black soldier fly, Hermetia illucens. BMC Biology, 2021, 19, 94.	3.8	41
24	Characterization of Rapeseed (Brassica napus) Oils by Bulk C, O, H, and Fatty Acid C Stable Isotope Analyses. Journal of Agricultural and Food Chemistry, 2010, 58, 8048-8055.	5.2	35
25	Nutrient and energy content, in vitro ruminal fermentation characteristics and methanogenic potential of alpine forage plant species during early summer. Journal of the Science of Food and Agriculture, 2011, 91, 1863-1870.	3.5	35
26	Influence of gentle touching applied few weeks before slaughter on avoidance distance and slaughter stress in finishing cattle. Applied Animal Behaviour Science, 2013, 144, 14-21.	1.9	34
27	In vitroindications for favourable non-additive effects on ruminal methane mitigation between high-phenolic and high-quality forages. British Journal of Nutrition, 2013, 109, 615-622.	2.3	34
28	Transfer of linoleic and linolenic acid from feed to milk in cows fed isoenergetic diets differing in proportion and origin of concentrates and roughages. Journal of Dairy Research, 2010, 77, 331-336.	1.4	32
29	Feeding transition cows with oilseeds: Effects on fatty acid composition of adipose tissue, colostrum and milk. Livestock Science, 2011, 138, 1-12.	1.6	31
30	Contribution of altitude and Alpine origin of forage to the influence of Alpine sojourn of cows on intake, nitrogen conversion, metabolic stress and milk synthesis. Animal Science, 2004, 78, 451-466.	1.3	30
31	Biological implications of longevity in dairy cows: 1. Changes in feed intake, feeding behavior, and digestion with age. Journal of Dairy Science, 2016, 99, 3457-3471.	3.4	29
32	Utility of buckwheat (Fagopyrum esculentum Moench) as feed: Effects of forage and grain on in vitro ruminal fermentation and performance of dairy cows. Animal Feed Science and Technology, 2010, 155, 111-121.	2.2	28
33	Fatty acid profile and oxidative stability of the perirenal fat of bulls fattened on grass silage and maize silage supplemented with tannins, garlic, maca and lupines. Meat Science, 2011, 89, 98-104.	5.5	28
34	Influence of different morphological parts of buckwheat (Fagopyrum esculentum) and its major secondary metabolite rutin on rumen fermentation in vitro. Czech Journal of Animal Science, 2012, 57, 10-18.	1.3	27
35	Apparent recovery of C18 polyunsaturated fatty acids from feed in cow milk: A meta-analysis of the importance of dietary fatty acids and feeding regimens in diets without fat supplementation. Journal of Dairy Science, 2015, 98, 6399-6414.	3.4	27
36	Influence of altitude on vitamin D and bone metabolism of lactating sheep and goats1. Journal of Animal Science, 2013, 91, 5259-5268.	0.5	26

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37	Production level, fertility, health traits, and longevity in local and commercial dairy breeds under organic production conditions in Austria, Switzerland, Poland, and Sweden. Journal of Dairy Science, 2019, 102, 5330-5341.	3.4	26
38	Slurry-grown duckweed (Spirodela polyrhiza) as a means to recycle nitrogen into feed for rainbow trout fry. Journal of Cleaner Production, 2019, 228, 86-93.	9.3	24
39	Protein composition, plasmin activity and cheesemaking properties of cows' milk produced at two altitudes from hay of lowland and high-alpine origins. Journal of Dairy Research, 2005, 72, 65-74.	1.4	23
40	Influence of alpine forage either employed as donor cow's feed or as incubation substrate on in vitro ruminal fatty acid biohydrogenation. Livestock Science, 2011, 140, 80-87.	1.6	23
41	Relationship between stress-related exsanguination blood variables, vocalisation, and stressors imposed on cattle between lairage and stunning box under conventional abattoir conditions. Livestock Science, 2014, 164, 154-158.	1.6	21
42	Intake estimation in dairy cows fed roughage-based diets: An approach based on chewing behaviour measurements. Applied Animal Behaviour Science, 2016, 185, 9-14.	1.9	20
43	Stable carbon isotope composition of perirenal adipose tissue fatty acids from Engadine sheep grazing either mountain or lowland pasture1. Journal of Animal Science, 2012, 90, 905-913.	0.5	19
44	Mastitis in dairy heifers: Prevalence and risk factors. Veterinary Journal, 2014, 202, 566-572.	1.7	19
45	Implications of feed concentrate reduction in organic grassland-based dairy systems: a long-term on-farm study. Animal, 2017, 11, 2051-2060.	3.3	19
46	Milk fatty acid profile of cows under the influence of alpine hypoxia and high mountainous forage quality. Journal of Animal and Feed Sciences, 2004, 13, 693-696.	1.1	19
47	Silages containing buckwheat and chicory: quality, digestibility and nitrogen utilisation by lactating cows. Archives of Animal Nutrition, 2012, 66, 50-65.	1.8	18
48	Stable Carbon Isotope Composition of c9,t11-Conjugated Linoleic Acid in Cowâ€™s Milk as Related to Dietary Fatty Acids. Lipids, 2012, 47, 161-169.	1.7	18
49	Vegetation-type effects on performance and meat quality of growing Engadine and Valaisian Black Nose sheep grazing alpine pastures. Livestock Science, 2013, 151, 80-91.	1.6	18
50	Concentrate reduction and sequential roughage offer to dairy cows: effects on milk protein yield, protein efficiency and milk quality. Journal of Dairy Research, 2015, 82, 272-278.	1.4	17
51	Milk fatty acid composition of dairy cows fed green whole-plant buckwheat, phacelia or chicory in their vegetative and reproductive stage. Animal Feed Science and Technology, 2014, 193, 71-83.	2.2	16
52	Colostrum and milk fatty acids of dairy cows as influenced by extruded linseed supplementation during the transition period. Canadian Journal of Animal Science, 2009, 89, 383-392.	1.5	15
53	Effect of feeding buckwheat and chicory silages on fatty acid profile and cheese-making properties of milk from dairy cows. Journal of Dairy Research, 2013, 80, 81-88.	1.4	15
54	Is the intrinsic potassium content of forages an important factor in intake regulation of dairy cows?. Journal of Animal Physiology and Animal Nutrition, 2009, 93, 391-399.	2.2	13

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55	Transfer of Lauric and Myristic Acid from Black Soldier Fly Larval Lipids to Egg Yolk Lipids of Hens Is Low. Lipids, 2021, 56, 423-435.	1.7	13
56	Graded supplementation of chestnut tannins to dairy cows fed protein-rich spring pasture: effects on indicators of protein utilization. Journal of Animal and Feed Sciences, 2020, 29, 97-104.	1.1	13
57	Influence of highâ€altitude grazing on bone metabolism of growing sheep. Journal of Animal Physiology and Animal Nutrition, 2013, 97, 58-66.	2.2	12
58	Comparison of a classical with a highly formularized body condition scoring system for dairy cattle. Animal, 2014, 8, 1971-1977.	3.3	12
59	Physical activity, forced by steep pastures, affects muscle characteristics and meat quality of suckling beef calves. Journal of Agricultural Science, 2017, 155, 348-359.	1.3	12
60	Fatty acid profile of ghee derived from two genotypes (cattleâ€“yak vs yak) grazing different alpine Himalayan pasture sites. Animal Production Science, 2018, 58, 358.	1.3	12
61	Variability in microbial population and fermentation traits at various sites within the forestomach and along the digestive tract as assessed in goats fed either grass or browse. Small Ruminant Research, 2016, 136, 7-17.	1.2	10
62	Organic dairy farming and sustainability. Burleigh Dodds Series in Agricultural Science, 2017, , 247-266.	0.2	10
63	Dilution rates of cattle slurry affect ammonia uptake and protein production of duckweed grown in recirculating systems. Journal of Cleaner Production, 2022, 357, 131916.	9.3	10
64	Comparison of the milk fatty acid composition from dairy cows fed high-sugar ryegrass, low-sugar ryegrass, or maize. Dairy Science and Technology, 2013, 93, 201-210.	2.2	9
65	Resigning protein concentrates in dairy cattle nutrition: a problem or a chance?. Organic Agriculture, 2014, 4, 269-273.	2.4	9
66	Does organic certification make economic sense for dairy farmers in Europe?â€“A latent class counterfactual analysis. Agricultural Economics (United Kingdom), 2021, 52, 1001-1012.	3.9	9
67	Carcass and meat quality of finished and non-finished Limousin heifers from alpine livestock systems differing in altitudinal origin of the forage. Archives of Animal Nutrition, 2016, 70, 108-126.	1.8	8
68	Mature herbs as supplements to ruminant diets: effects on in vitro ruminal fermentation and ammonia production. Animal Production Science, 2021, 61, 470.	1.3	8
69	Methods of Emulsifying Linoleic Acid in Biohydrogenation Studies In Vitro May Bias the Resulting Fatty Acid Profiles. Lipids, 2010, 45, 651-657.	1.7	7
70	A field trial on the effects of pure sodium propionate and a combination with herbal extracts on short term development of subclinical ketosis. Livestock Science, 2016, 187, 87-95.	1.6	7
71	Effects of a riboflavin source suitable for use in organic broiler diets on performance traits and health indicators. Animal, 2020, 14, 716-724.	3.3	7
72	Sire-feed interactions for fattening performance and meat quality traits in growing-finishing pigs under a conventional and an organic feeding regimen. Meat Science, 2021, 179, 108555.	5.5	7

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73	Black soldier fly larvae meal and fat as a replacement for soybeans in organic broiler diets: effects on performance, body N retention, carcase and meat quality. British Poultry Science, 2022, 63, 650-661.	1.7	7
74	Effects of species-diverse high-alpine forage on in vitro ruminal fermentation when used as donor cow's feed or directly incubated. Animal, 2012, 6, 1764-1773.	3.3	6
75	Effects of vegetation type and breed on n-3 and n-6 fatty acid proportions in heart, lung and brain phospholipids of lambs. Small Ruminant Research, 2019, 171, 99-107.	1.2	6
76	Comparison of performance and fitness traits in German Angler, Swedish Red and Swedish Polled with Holstein dairy cattle breeds under organic production. Animal, 2020, 14, 609-616.	3.3	6
77	A multicomponent herbal feed additive improves somatic cell counts in dairy cows â€“ a two stage, multicentre, placeboâ€controlled longâ€term onâ€farm trial. Journal of Animal Physiology and Animal Nutrition, 2020, 104, 439-452.	2.2	6
78	The State of Play of Copper, Mineral Oil, External Nutrient Input, Anthelmintics, Antibiotics and Vitamin Usage and Available Reduction Strategies in Organic Farming across Europe. Sustainability, 2022, 14, 3182.	3.2	6
79	Genotype-by-Diet Interactions for Larval Performance and Body Composition Traits in the Black Soldier Fly, Hermetia illucens. Insects, 2022, 13, 424.	2.2	6
80	The influence of the rearing period on intramammary infections in Swiss dairy heifers: A cross-sectional study. Preventive Veterinary Medicine, 2016, 129, 23-34.	1.9	5
81	On-farm examination of sainfoin supplementation effects in dairy cows in a roughage-based feeding system: Indicators of protein utilisation. Livestock Science, 2021, 248, 104509.	1.6	5
82	Demand-oriented riboflavin supply of organic broiler using a feed material from fermentation of Ashbya gossypii. Animal, 2021, 15, 100003.	3.3	5
83	Altitude, pasture type, and sheep breed affect bone metabolism and serum 25-hydroxyvitamin D in grazing lambs. Journal of Applied Physiology, 2013, 114, 1441-1450.	2.5	4
84	Riboflavin for laying hens fed organic winter diets: effects of different supplementation rates on health, performance and egg quality. Biological Agriculture and Horticulture, 2022, 38, 1-16.	1.0	4
85	Effects of riboflavin supplementation level on health, performance, and fertility of organic broiler parent stock and their chicks. Animal, 2022, 16, 100433.	3.3	4
86	Egg fatty acid profiles and potential health risk from defatted insect meal in laying hensâ€™ diets. Journal of Insects As Food and Feed, 2022, 8, 1085-1095.	3.9	4
87	Feeding value of black soldier fly larvae compared to soybean in methionine- and lysine-deficient laying hen diets. Journal of Insects As Food and Feed, 2022, 8, 989-999.	3.9	4
88	Assessing effects of tannin-rich sainfoin supplements for grazing dairy goats on feed protein efficiency. Journal of Dairy Research, 2020, 87, 397-399.	1.4	3
89	Let them graze! Potentials of ruminant production outside the feed-food competition. , 2022, , 137-148.		3
90	Reply to: â€œResults from a biodiversity experiment fail to represent economic performance of semi-natural grasslandsâ€• Nature Communications, 2021, 12, 2124.	12.8	2

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91	Performance and parasitological parameters of steers sequentially grazed with lambs. Veterinary Parasitology, 2022, 302, 109645.	1.8	2
92	Supplementing goats' diet with sainfoin pellets (versus alfalfa) modifies cheese sensory properties and fatty acid profile. International Dairy Journal, 2022, 132, 105398.	3.0	2
93	Buckwheat in the Nutrition of Livestock and Poultry. , 2016, , 229-238.		1
94	Comparison of different piglet diets in organic agriculture using milk powder, enriched lysine, conventional potato protein or high soybean cake content. Renewable Agriculture and Food Systems, 2021, 36, 245-254.	1.8	1
95	A herbal feed additive reduces the urea content in milk of dairy cows. Planta Medica, 2015, 81, .	1.3	0
96	A herbal feed additive improves udder health of dairy cows in early lactation. Planta Medica, 2016, 81, S1-S381.	1.3	0