

Wendy M Rauw

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

1,729
citations

516561

16
h-index

289141

40
g-index

64
all docs

64
docs citations

64
times ranked

1904
citing authors

#	ARTICLE	IF	CITATIONS
1	Undesirable side effects of selection for high production efficiency in farm animals: a review. <i>Livestock Science</i> , 1998, 56, 15-33.	1.2	785
2	Immune response from a resource allocation perspective. <i>Frontiers in Genetics</i> , 2012, 3, 267.	1.1	215
3	Genotype by environment interaction and breeding for robustness in livestock. <i>Frontiers in Genetics</i> , 2015, 6, 310.	1.1	87
4	Prospects for sustainability of pig production in relation to climate change and novel feed resources. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 3575-3586.	1.7	56
5	Feeding time and feeding rate and its relationship with feed intake, feed efficiency, growth rate, and rate of fat deposition in growing Duroc barrows ¹ . <i>Journal of Animal Science</i> , 2006, 84, 3404-3409.	0.2	41
6	Fulton's body condition factor K correlates with survival time in a thermal challenge experiment in juvenile Lahontan cutthroat trout (<i>Oncorhynchus clarki henshawi</i>). <i>Journal of Thermal Biology</i> , 2008, 33, 363-368.	1.1	40
7	Selection for litter size and its consequences for the allocation of feed resources: a concept and its implications illustrated by mice selection experiments. <i>Livestock Science</i> , 1999, 60, 329-342.	1.2	37
8	A Hypothesis and Review of the Relationship between Selection for Improved Production Efficiency, Coping Behavior, and Domestication. <i>Frontiers in Genetics</i> , 2017, 8, 134.	1.1	29
9	Behavioural differences in non-reproductive adult females in a long-term selection experiment for litter size in mice. <i>Applied Animal Behaviour Science</i> , 2000, 66, 249-262.	0.8	25
10	The relationship between residual feed intake and feed intake behavior in group-housed Duroc barrows ¹ . <i>Journal of Animal Science</i> , 2006, 84, 956-962.	0.2	23
11	Derivation of a Bayes Factor to Distinguish Between Linked or Pleiotropic Quantitative Trait Loci. <i>Genetics</i> , 2004, 166, 1025-1035.	1.2	22
12	Behaviour influences cholesterol plasma levels in a pig model. <i>Animal</i> , 2007, 1, 865-871.	1.3	21
13	Effects of Diet and Genetics on Growth Performance of Pigs in Response to Repeated Exposure to Heat Stress. <i>Frontiers in Genetics</i> , 2017, 8, 155.	1.1	21
14	Impact of environmental temperature on production traits in pigs. <i>Scientific Reports</i> , 2020, 10, 2106.	1.6	21
15	Viability of Iberian \times Meishan F2 newborn pigs. I. Analysis of physiological and vitality variables ¹ . <i>Journal of Animal Science</i> , 2004, 82, 1919-1924.	0.2	18
16	A note on the consistency of a behavioral play marker in piglets. <i>Journal of Animal Science and Biotechnology</i> , 2013, 4, 33.	2.1	17
17	The Genetics of Thermoregulation in Pigs: A Review. <i>Frontiers in Veterinary Science</i> , 2021, 8, 770480.	0.9	17
18	The value of DNA paternity identification in beef cattle: Examples from Nevada's free-range ranches ¹ . <i>Journal of Animal Science</i> , 2008, 86, 17-24.	0.2	14

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19	Adaptability of pregnant Merino ewes to the cold desert climate in Nevada ¹ . <i>Journal of Animal Science</i> , 2010, 88, 860-870.	0.2	14
20	Haplotype phasing after joint estimation of recombination and linkage disequilibrium in breeding populations. <i>Journal of Animal Science and Biotechnology</i> , 2013, 4, 30.	2.1	14
21	A simulation study on the detection of causal mutations from F2 experiments. <i>Journal of Animal Breeding and Genetics</i> , 2005, 122, 30-36.	0.8	12
22	Impact of <i>Mycoplasma hyopneumoniae</i> and <i>Lawsonia intracellularis</i> on the performance of pigs divergently selected for feed efficiency. <i>Journal of Animal Science</i> , 2018, 96, 462-472.	0.2	12
23	Differences in food resource allocation in a long-term selection experiment for litter size in mice ² . Developmental trends in body weight against food intake. <i>Animal Science</i> , 2000, 71, 39-47.	1.3	11
24	Food resource allocation patterns in lactating females in a long-term selection experiment for litter size in mice. <i>Genetics Selection Evolution</i> , 2002, 34, 83-104.	1.2	11
25	Reallocation of body resources in lactating mice highly selected for litter size ¹ . <i>Journal of Animal Science</i> , 2003, 81, 939-944.	0.2	11
26	Prospects for the Analysis and Reduction of Damaging Behaviour in Group-Housed Livestock, With Application to Pig Breeding. <i>Frontiers in Genetics</i> , 2020, 11, 611073.	1.1	11
27	The relationship between feed intake behaviour with intramuscular fat, cholesterol and fatty acid composition in pork. <i>Journal of Animal Breeding and Genetics</i> , 2012, 129, 289-297.	0.8	10
28	Selection for high production in pigs.. , 2008, , 210-229.		10
29	Gene expression in Sinclair swine with malignant melanoma. <i>Animal</i> , 2012, 6, 179-192.	1.3	9
30	Differences in food resource allocation in a long-term selection experiment for litter size in mice ¹ . Developmental trends in body weight and food intake against time. <i>Animal Science</i> , 2000, 71, 31-38.	1.3	8
31	The value of prior information for detection of QTL affecting longitudinal traits: an example using Von Bertalanffy growth function. <i>Journal of Animal Breeding and Genetics</i> , 2005, 122, 37-48.	0.8	8
32	Allometric scaling of the elevation of maternal energy intake during lactation. <i>Frontiers in Zoology</i> , 2016, 13, 32.	0.9	8
33	Autozygosity and Genetic Differentiation of Landrace and Large White Pigs as Revealed by the Genetic Analyses of Crossbreds. <i>Frontiers in Genetics</i> , 2019, 10, 739.	1.1	8
34	Role of selection and inbreeding on the incidence of cutaneous malignant melanoma in Sinclair swine. <i>Journal of Animal Breeding and Genetics</i> , 2009, 126, 242-249.	0.8	6
35	Editorial: Improving Animal Welfare through Genetic Selection. <i>Frontiers in Genetics</i> , 2016, 7, 69.	1.1	6
36	Selection for high production in poultry.. , 2008, , 230-242.		6

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37	Meat production using four terminal pig lines. <i>Journal of the Science of Food and Agriculture</i> , 2003, 83, 1504-1510.	1.7	5
38	Modeling Inheritance of Malignant Melanoma With DNA Markers in Sinclair Swine. <i>Genetics</i> , 2007, 176, 585-597.	1.2	5
39	Philosophy and ethics of animal use and consumption: from Pythagoras to Bentham.. <i>CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources</i> , 0, , 1-25.	0.6	5
40	Effect of a dual enteric and respiratory pathogen challenge on swine growth, efficiency, carcass composition, and pork quality ¹ . <i>Journal of Animal Science</i> , 2019, 97, 4710-4720.	0.2	4
41	A note on behavioural response to a novel arena in lactating mice highly selected for litter size. <i>Applied Animal Behaviour Science</i> , 2006, 99, 357-365.	0.8	3
42	The relationship of food intake during growth and food intake at maturity with lactation food intake in a mouse model. <i>Livestock Science</i> , 2009, 123, 249-254.	0.6	3
43	Acclimation in Simulated Lake Water Increases Survival of Lahontan Cutthroat Trout Challenged with Saline, Alkaline Water from Walker Lake, Nevada. <i>Transactions of the American Fisheries Society</i> , 2010, 139, 876-887.	0.6	3
44	Feed Efficiency Can Be Sustained in Pigs Fed with Locally Produced Narbon Vetch (<i>Vicia narbonensis</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 1.6	1.6	3
45	Plasticity of feeding behaviour traits in response to production environment (temperate vs. tropical) in group-housed growing pigs. <i>Scientific Reports</i> , 2022, 12, 847.	1.6	3
46	Body composition in non-reproductive adult males and females in a long-term selection experiment for litter size in mice. <i>Journal of Animal Breeding and Genetics</i> , 2001, 118, 197-204.	0.8	2
47	Hematologic and IgG responses of heifers experimentally infected with the agent of epizootic bovine abortion. <i>Veterinary Clinical Pathology</i> , 2012, 41, 344-352.	0.3	2
48	Replacing soybean meal with Narbon vetch (<i>Vicia narbonensis</i> L.) in pig diets: composition of subcutaneous fat and fresh loin, and sensory attributes of dry-cured product. <i>Spanish Journal of Agricultural Research</i> , 2021, 19, e0608.	0.3	2
49	Feed efficiency and loin meat quality in Iberian pigs. <i>Revista Brasileira De Zootecnia</i> , 2020, 49, .	0.3	2
50	Acclimation Improves Short-Term Survival of Hatchery Lahontan Cutthroat Trout in Water From Saline, Alkaline Walker Lake, Nevada. <i>Journal of Fish and Wildlife Management</i> , 2010, 1, 86-92.	0.4	2
51	The relationship between feed efficiency, growth and group dominance dynamics in turbot (<i>Scophthalmus maximus</i>). <i>Spanish Journal of Agricultural Research</i> , 2018, 16, e0604.	0.3	2
52	044 Non-random distribution of runs of homozygosity across the genome of Landrace $\tilde{\text{A}}$ — Large White crossbreds. <i>Journal of Animal Science</i> , 2017, 95, 21-21.	0.2	1
53	009 Effects of genetics on thermal regulatory responses to repeated heat stress exposure in pigs. <i>Journal of Animal Science</i> , 2017, 95, 4-4.	0.2	1
54	Extent of third-order linkage disequilibrium in a composite line of Iberian pigs. <i>BMC Genetics</i> , 2018, 19, 60.	2.7	1

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55	Vector space algebra for scaling and centering relationship matrices under non-Hardy-Weinberg equilibrium conditions. <i>Genetics Selection Evolution</i> , 2021, 53, 7.	1.2	1
56	Observations Concerning Reproductive Temperature Requirements of Captive Lahontan Cutthroat Trout. <i>North American Journal of Aquaculture</i> , 2009, 71, 252-255.	0.7	0
57	Growth, Root Formation, and Nutrient Value of Triticale Plants Fertilized with Biosolids. <i>Scientific World Journal, The</i> , 2012, 2012, 1-7.	0.8	0
58	029 Effects of genetics on growth and feed intake in response to repeated exposure to heat stress. <i>Journal of Animal Science</i> , 2017, 95, 13-13.	0.2	0
59	Short communication: Response of rainbow trout (<i>Oncorhynchus mykiss</i>) to mirror images. <i>Spanish Journal of Agricultural Research</i> , 2017, 15, e05SC02.	0.3	0
60	Feed efficiency of Rainbow trout (<i>Oncorhynchus mykiss</i>) kept at high and low stocking density. <i>International Journal of Recirculating Aquaculture</i> , 2017, 13, 11.	0.2	0
61	Improving animal welfare using genetic and genomic tools.. , 2021, , 190-212.		0
62	188 Prospects of Swine Production in the Context of Climate Change. <i>Journal of Animal Science</i> , 2022, 100, 90-91.	0.2	0