

Felix Goyache

List of Publications by Year in descending order

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132
papers

4,862
citations

117453

34
h-index

110170

64
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134
all docs

134
docs citations

134
times ranked

3556
citing authors

#	ARTICLE	IF	CITATIONS
1	Revealing the History of Sheep Domestication Using Retrovirus Integrations. <i>Science</i> , 2009, 324, 532-536.	6.0	402
2	A note on ENDOG: a computer program for analysing pedigree information. <i>Journal of Animal Breeding and Genetics</i> , 2005, 122, 172-176.	0.8	394
3	The origin of European cattle: Evidence from modern and ancient DNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 8113-8118.	3.3	271
4	Zebu Cattle Are an Exclusive Legacy of the South Asia Neolithic. <i>Molecular Biology and Evolution</i> , 2010, 27, 1-6.	3.5	217
5	Improving the estimation of realized effective population sizes in farm animals. <i>Journal of Animal Breeding and Genetics</i> , 2009, 126, 327-332.	0.8	173
6	MolKin v2.0: A Computer Program for Genetic Analysis of Populations Using Molecular Coancestry Information. <i>Journal of Heredity</i> , 2005, 96, 718-721.	1.0	166
7	Individual increase in inbreeding allows estimating effective sizes from pedigrees. <i>Genetics Selection Evolution</i> , 2008, 40, 359-78.	1.2	139
8	Using pedigree information to monitor genetic variability of endangered populations: the Xalda sheep breed of Asturias as an example. <i>Journal of Animal Breeding and Genetics</i> , 2003, 120, 95-105.	0.8	136
9	Pedigree analysis in the Andalusian horse: population structure, genetic variability and influence of the Carthusian strain. <i>Livestock Science</i> , 2005, 95, 57-66.	1.2	121
10	Estimation of effective population size from the rate of coancestry in pedigreed populations. <i>Journal of Animal Breeding and Genetics</i> , 2011, 128, 56-63.	0.8	109
11	Application of individual increase in inbreeding to estimate realized effective sizes from real pedigrees. <i>Journal of Animal Breeding and Genetics</i> , 2008, 125, 301-310.	0.8	86
12	Dual Origins of Dairy Cattle Farming – Evidence from a Comprehensive Survey of European Y-Chromosomal Variation. <i>PLoS ONE</i> , 2011, 6, e15922.	1.1	79
13	Genetic relationships and admixture among sheep breeds from Northern Spain assessed using microsatellites1. <i>Journal of Animal Science</i> , 2004, 82, 2246-2252.	0.2	75
14	Carcass characterisation of seven Spanish beef breeds slaughtered at two commercial weights. <i>Meat Science</i> , 2005, 71, 514-521.	2.7	73
15	Genetic relationships between calving date, calving interval, age at first calving and type traits in beef cattle. <i>Livestock Science</i> , 2002, 78, 215-222.	1.2	66
16	Multivariate characterization of morphological traits in Burkina Faso sheep. <i>Small Ruminant Research</i> , 2008, 80, 62-67.	0.6	64
17	A genome-wide perspective about the diversity and demographic history of seven Spanish goat breeds. <i>Genetics Selection Evolution</i> , 2016, 48, 52.	1.2	63
18	Population history and genetic variability in the Spanish Arab Horse assessed via pedigree analysis. <i>Livestock Science</i> , 2008, 113, 24-33.	0.6	60

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19	The usefulness of artificial intelligence techniques to assess subjective quality of products in the food industry. <i>Trends in Food Science and Technology</i> , 2001, 12, 370-381.	7.8	58
20	Assessment of inbreeding depression for body measurements in Spanish Purebred (Andalusian) horses. <i>Livestock Science</i> , 2009, 122, 149-155.	0.6	54
21	The Origins of Iberian Horses Assessed via Mitochondrial DNA. <i>Journal of Heredity</i> , 2005, 96, 663-669.	1.0	52
22	Pedigree information reveals moderate to high levels of inbreeding and a weak population structure in the endangered Catalanian donkey breed. <i>Journal of Animal Breeding and Genetics</i> , 2005, 122, 378-386.	0.8	51
23	Y-specific microsatellites reveal an African subfamily in taurine (<i>Bos taurus</i>) cattle. <i>Animal Genetics</i> , 2010, 41, 232-241.	0.6	51
24	Multiple paternal origins of domestic cattle revealed by Y-specific interspersed multilocus microsatellites. <i>Heredity</i> , 2010, 105, 511-519.	1.2	50
25	Differences in the expression of the <i>ASIP</i> gene are involved in the recessive black coat colour pattern in sheep: evidence from the rare Xalda sheep breed. <i>Animal Genetics</i> , 2008, 39, 290-293.	0.6	48
26	Testing the usefulness of the molecular coancestry information to assess genetic relationships in livestock using a set of Spanish sheep breeds. <i>Journal of Animal Science</i> , 2005, 83, 737-744.	0.2	45
27	The coding sequence of the <i>ASIP</i> gene is identical in nine wild-type coloured cattle breeds. <i>Journal of Animal Breeding and Genetics</i> , 2005, 122, 357-360.	0.8	43
28	Genetic relationships among calving ease, calving interval, birth weight, and weaning weight in the Asturiana de los Valles beef cattle breed. <i>Journal of Animal Science</i> , 2007, 85, 69-75.	0.2	39
29	Genetic variability and differentiation in Spanish roe deer (<i>Capreolus capreolus</i>): A phylogeographic reassessment within the European framework. <i>Molecular Phylogenetics and Evolution</i> , 2007, 42, 47-61.	1.2	39
30	Genetic relationships among calving ease, gestation length, and calf survival to weaning in the Asturiana de los Valles beef cattle breed. <i>Journal of Animal Science</i> , 2010, 88, 96-101.	0.2	39
31	Relationship between genealogical and microsatellite information characterizing losses of genetic variability: Empirical evidence from the rare Xalda sheep breed. <i>Livestock Science</i> , 2008, 115, 80-88.	0.6	38
32	Genetic characterisation of Burkina Faso goats using microsatellite polymorphism. <i>Livestock Science</i> , 2009, 123, 322-328.	0.6	37
33	Genetic variability in the endangered Asturiana pony assessed using genealogical and molecular information. <i>Livestock Science</i> , 2007, 107, 162-169.	0.6	36
34	Microsatellite Analysis Characterizes Burkina Faso as a Genetic Contact Zone Between Sahelian and Djallonké Sheep. <i>Animal Biotechnology</i> , 2009, 20, 47-57.	0.7	36
35	Estimation of genetic parameters of type traits in Asturiana de los Valles beef cattle breed. <i>Journal of Animal Breeding and Genetics</i> , 2002, 119, 93-100.	0.8	34
36	9-cis-retinoic acid during in vitro maturation improves development of the bovine oocyte and increases midkine but not IGF-I expression in cumulus-granulosa cells. <i>Molecular Reproduction and Development</i> , 2003, 66, 247-255.	1.0	34

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37	Genetic relationships between Spanish Assaf (Assaf.E) and Spanish native dairy sheep breeds. <i>Small Ruminant Research</i> , 2008, 80, 39-44.	0.6	31
38	Genetic analysis of calf survival at different preweaning ages in beef cattle. <i>Livestock Science</i> , 2003, 83, 13-20.	1.2	30
39	Genealogical analyses in open populations: the case of three Arab-derived Spanish horse breeds. <i>Journal of Animal Breeding and Genetics</i> , 2009, 126, 335-347.	0.8	30
40	Estimation of direct and maternal genetic parameters for preweaning traits in the Asturiana de los Valles beef cattle breed through animal and sire models. <i>Journal of Animal Breeding and Genetics</i> , 1997, 114, 261-266.	0.8	29
41	Using artificial intelligence to design and implement a morphological assessment system in beef cattle. <i>Animal Science</i> , 2001, 73, 49-60.	1.3	29
42	Pregnancy rates and metabolic profiles in cattle treated with propylene glycol prior to embryo transfer. <i>Theriogenology</i> , 2004, 62, 664-676.	0.9	29
43	Genetic parameters and relationships between fibre and type traits in two breeds of Peruvian alpacas. <i>Small Ruminant Research</i> , 2010, 88, 6-11.	0.6	29
44	Multivariate characterisation of morphological traits in Assaf (Assaf.E) sheep. <i>Small Ruminant Research</i> , 2011, 100, 122-130.	0.6	29
45	Primary and secondary experimental infestation of rabbits (<i>Oryctolagus cuniculus</i>) with <i>Sarcoptes scabiei</i> from a wild rabbit: Factors determining resistance to reinfestation. <i>Veterinary Parasitology</i> , 2014, 203, 173-183.	0.7	29
46	Feature subset selection for learning preferences. , 2004, , .		28
47	Retinoid-dependent mRNA expression and poly-(A) contents in bovine oocytes meiotically arrested and/or matured in vitro. <i>Molecular Reproduction and Development</i> , 2004, 69, 101-108.	1.0	28
48	Oocytes recovered from cows treated with retinol become unviable as blastocysts produced in vitro. <i>Reproduction</i> , 2005, 129, 411-421.	1.1	28
49	Genetic analysis of six production traits in Peruvian alpacas. <i>Livestock Science</i> , 2009, 123, 193-197.	0.6	28
50	Multivariate analyses on morphological traits of goats in Burkina Faso. <i>Archives Animal Breeding</i> , 2008, 51, 588-600.	0.5	28
51	Genetic analysis of days open in beef cattle. <i>Livestock Science</i> , 2005, 93, 283-289.	1.2	26
52	Bayesian estimates of genetic parameters for pre-conception traits, gestation length and calving interval in beef cattle. <i>Animal Reproduction Science</i> , 2009, 114, 72-80.	0.5	26
53	Using machine learning procedures to ascertain the influence of beef carcass profiles on carcass conformation scores. <i>Meat Science</i> , 2006, 73, 109-115.	2.7	24
54	Genetic parameters affecting 180-days standardised milk yield, test-day milk yield and lactation length in Spanish Assaf (Assaf.E) dairy sheep. <i>Small Ruminant Research</i> , 2007, 70, 233-238.	0.6	24

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55	Legacies of domestication, trade and herder mobility shape extant male zebu cattle diversity in South Asia and Africa. <i>Scientific Reports</i> , 2018, 8, 18027.	1.6	23
56	Artificial intelligence techniques point out differences in classification performance between light and standard bovine carcasses. <i>Meat Science</i> , 2003, 64, 249-258.	2.7	21
57	Genetic characterization of the Spanish Trotter horse breed using microsatellite markers. <i>Genetics and Molecular Biology</i> , 2007, 30, 37-42.	0.6	21
58	Genetic relationships of the Cuban hair sheep inferred from microsatellite polymorphism. <i>Small Ruminant Research</i> , 2012, 104, 89-93.	0.6	21
59	Retinoids during the in vitro transition from bovine morula to blastocyst. <i>Human Reproduction</i> , 2006, 21, 2149-2157.	0.4	20
60	Mitochondrial <i>DNA</i> and <i>Y</i> -chromosome diversity in <i>E</i> -ast <i>A</i> -driatic sheep. <i>Animal Genetics</i> , 2013, 44, 184-192.	0.6	20
61	Detecting the T1 cattle haplogroup in the Iberian Peninsula from Neolithic to medieval times: new clues to continuous cattle migration through time. <i>Journal of Archaeological Science</i> , 2015, 59, 110-117.	1.2	20
62	Genetic relationships among <i>A</i> -merican donkey populations: insights into the process of colonization. <i>Journal of Animal Breeding and Genetics</i> , 2016, 133, 155-164.	0.8	20
63	Ascertaining gene flow patterns in livestock populations of developing countries: a case study in Burkina Faso goat. <i>BMC Genetics</i> , 2012, 13, 35.	2.7	19
64	Protein in culture and endogenous lipid interact with embryonic stages in vitro to alter calf birthweight after embryo vitrification and warming. <i>Reproduction, Fertility and Development</i> , 2017, 29, 1932.	0.1	19
65	Non-genomic effects of catecholestrogens in the in vitro rat uterine contraction. <i>General Pharmacology</i> , 1995, 26, 219-223.	0.7	18
66	Genetic improvement for alpaca fibre production in the Peruvian Altiplano: the Pacamarca experience. <i>Animal Genetic Resources Information</i> , 2009, 45, 37-43.	0.3	18
67	Mitochondrial analysis sheds light on the origin of hair sheep. <i>Animal Genetics</i> , 2013, 44, 344-347.	0.6	18
68	Assessing losses of genetic variability in the endangered Mallorquã-horse. <i>Czech Journal of Animal Science</i> , 2010, 55, 456-462.	0.5	17
69	Lack of mitochondrial <i>DNA</i> structure in <i>B</i> -alkan donkey is consistent with a quick spread of the species after domestication. <i>Animal Genetics</i> , 2014, 45, 144-147.	0.6	17
70	Assessing introgression of Sahelian zebu genes into native <i>Bos taurus</i> breeds in Burkina Faso. <i>Molecular Biology Reports</i> , 2014, 41, 3745-3754.	1.0	17
71	Geographical assessment of body measurements and qualitative traits in West African cattle. <i>Tropical Animal Health and Production</i> , 2015, 47, 1505-1513.	0.5	17
72	Factors affecting actual weaning weight, preweaning average daily gain and relative growth rate in Asturiana de los Valles beef cattle breed. <i>Archives Animal Breeding</i> , 2003, 46, 235-243.	0.5	17

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73	Genetic diversity loss due to selection for scrapie resistance in the rare Spanish Xalda sheep breed. <i>Livestock Science</i> , 2007, 111, 204-212.	0.6	16
74	Analysis of the existence of major genes affecting alpaca fiber traits ¹ . <i>Journal of Animal Science</i> , 2010, 88, 3783-3788.	0.2	16
75	Herdbook analyses of the Asturiana beef cattle breeds. <i>Genetics Selection Evolution</i> , 1994, 26, 1.	1.2	15
76	Analysis of mitochondrial DNA diversity in Burkina Faso populations confirms the maternal genetic homogeneity of the West African goat. <i>Animal Genetics</i> , 2009, 40, 344-347.	0.6	15
77	Pedigree estimation of the (sub) population contribution to the total gene diversity: the horse coat colour case. <i>Animal</i> , 2010, 4, 867-875.	1.3	15
78	Resistance to gastrointestinal parasite infection in Djallonké sheep. <i>Animal</i> , 2017, 11, 1354-1362.	1.3	15
79	Genomic scan of selective sweeps in Djallonké (West African Dwarf) sheep shed light on adaptation to harsh environments. <i>Scientific Reports</i> , 2020, 10, 2824.	1.6	15
80	Heritability of reproductive traits in Asturiana de los Valles beef cattle breed. <i>Archives Animal Breeding</i> , 2001, 44, 489-496.	0.5	15
81	Sire—contemporary group interactions for birth weight and preweaning growth traits in the Asturiana de los Valles beef cattle breed. <i>Livestock Science</i> , 2006, 99, 61-68.	0.6	14
82	Quantifying diversity losses due to selection for scrapie resistance in three endangered Spanish sheep breeds using microsatellite information. <i>Preventive Veterinary Medicine</i> , 2009, 91, 172-178.	0.7	14
83	Computing effective population size from molecular data: The case of three rare Spanish ruminant populations. <i>Livestock Science</i> , 2011, 138, 202-206.	0.6	14
84	African Cattle do not Carry Unique Mutations on the Exon 9 of the ARHGAP15 Gene. <i>Animal Biotechnology</i> , 2016, 27, 9-12.	0.7	14
85	Multivariate characterization of morphological traits in West African cattle sires. <i>Archives Animal Breeding</i> , 2016, 59, 337-344.	0.5	14
86	Comparative study of PCR-sexing procedures using bovine embryos fertilized with sex-sorted spermatozoa. <i>Spanish Journal of Agricultural Research</i> , 2012, 10, 353.	0.3	14
87	Usefulness of molecular-based methods for estimating effective population size in livestock assessed using data from the endangered black-coated Asturcón pony ¹ . <i>Journal of Animal Science</i> , 2011, 89, 1251-1259.	0.2	13
88	Sire × stud interaction for body measurement traits in Spanish Purebred horses ¹ . <i>Journal of Animal Science</i> , 2009, 87, 2502-2509.	0.2	12
89	Assessing priorities for conservation in Tuscan cattle breeds using microsatellites. <i>Animal</i> , 2012, 6, 203-211.	1.3	12
90	Usefulness of running animal models in absence of pedigrees: Estimation of genetic parameters for gastrointestinal parasite resistance traits in Djallonké sheep of Burkina Faso. <i>Small Ruminant Research</i> , 2018, 160, 81-88.	0.6	12

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91	Identification of genomic regions and candidate genes of functional importance for gastrointestinal parasite resistance traits in Djallonké sheep of Burkina Faso. <i>Archives Animal Breeding</i> , 2019, 62, 313-323.	0.5	12
92	Technical note: A novel method for routine genotyping of horse coat color gene polymorphisms1. <i>Journal of Animal Science</i> , 2008, 86, 1291-1295.	0.2	11
93	Lack of haplotype structuring for two candidate genes for trypanotolerance in cattle. <i>Journal of Animal Breeding and Genetics</i> , 2016, 133, 105-114.	0.8	11
94	Elements of functional genital asymmetry in the cow. <i>Reproduction, Fertility and Development</i> , 2014, 26, 493.	0.1	11
95	A sexing protocol for wild ruminants based on PCR amplification of amelogenin genes AMELX and AMELY (short communication). <i>Archives Animal Breeding</i> , 2007, 50, 442-446.	0.5	11
96	Molecular, genealogical and morphometric characterisation of the Pallaresa, a Pyrenean relic cattle breed: Insights for conservation. <i>Livestock Science</i> , 2010, 132, 65-72.	0.6	10
97	Metabolomic Profiling of <i>Bos taurus</i> Beef, Dairy, and Crossbred Cattle: A Between-Breeds Meta-Analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 8732-8743.	2.4	10
98	Functional characterization of Copy Number Variations regions in Djallonké sheep. <i>Journal of Animal Breeding and Genetics</i> , 2021, 138, 600-612.	0.8	10
99	Association between body and udder morphological traits and dairy performance in Spanish Assaf sheep. <i>Archives Animal Breeding</i> , 2013, 56, 430-442.	0.5	10
100	Sry-negative XX true hermaphroditism in a roe deer. <i>Animal Reproduction Science</i> , 2009, 112, 190-197.	0.5	9
101	Founder and present maternal diversity in two endangered Spanish horse breeds assessed via pedigree and mitochondrial DNA information. <i>Journal of Animal Breeding and Genetics</i> , 2012, 129, 271-279.	0.8	9
102	Genealogical analysis of the Gochu Asturcelta pig breed: insights for conservation. <i>Czech Journal of Animal Science</i> , 2016, 61, 140-149.	0.5	9
103	Genetic characterisation of the endangered Gochu Asturcelta pig breed using microsatellite and mitochondrial markers: Insights for the composition of the Iberian native pig stock. <i>Livestock Science</i> , 2016, 187, 162-167.	0.6	9
104	Differential distribution of Y-chromosome haplotypes in Swiss and Southern European goat breeds. <i>Scientific Reports</i> , 2017, 7, 16161.	1.6	9
105	Estimates of direct and indirect effects for early juvenile survival in captive populations maintained for conservation purposes: the case of Cuvier's gazelle. <i>Ecology and Evolution</i> , 2014, 4, 4117-4129.	0.8	8
106	Population Structure Assessed Using Microsatellite and SNP Data: An Empirical Comparison in West African Cattle. <i>Animals</i> , 2021, 11, 151.	1.0	8
107	Assessing diversity losses due to selection for coat colour in the endangered bay-Asturc ³ n pony using microsatellites. <i>Livestock Science</i> , 2011, 135, 199-204.	0.6	7
108	Cytoplasmic line effects for birth weight and preweaning growth traits in the Asturiana de los Valles beef cattle breed. <i>Livestock Science</i> , 2012, 143, 177-183.	0.6	7

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109	Lack of specific alleles for the bovine chemokine (C-X-C) receptor type 4 (CXCR4) gene in West African cattle questions its role as a candidate for trypanotolerance. <i>Infection, Genetics and Evolution</i> , 2016, 42, 30-33.	1.0	7
110	Assessing performance of single-sample molecular genetic methods to estimate effective population size: empirical evidence from the endangered Gochu Asturcelta pig breed. <i>Ecology and Evolution</i> , 2016, 6, 4971-4980.	0.8	7
111	Differences in genetic structure assessed using Y-chromosome and mitochondrial DNA markers do not shape the contributions to diversity in African sires. <i>Journal of Animal Breeding and Genetics</i> , 2017, 134, 393-404.	0.8	7
112	Ancient Homozygosity Segments in West African Djallonké Sheep Inform on the Genomic Impact of Livestock Adaptation to the Environment. <i>Animals</i> , 2020, 10, 1178.	1.0	7
113	Multiple paternity in domestic pigs under equally probable natural matings – a case study in the endangered Gochu Asturcelta pig breed. <i>Archives Animal Breeding</i> , 2015, 58, 217-220.	0.5	7
114	Female segregation patterns of the putative Y-chromosome-specific microsatellite markers <i>INRA124</i> and <i>INRA126</i> do not support their use for cattle population studies. <i>Animal Genetics</i> , 2009, 40, 560-564.	0.6	6
115	Microsatellite analysis of the Rousse de Maradi (Red Sokoto) goat of Burkina Faso. <i>Small Ruminant Research</i> , 2012, 105, 83-88.	0.6	6
116	Contributions to diversity rather than basic measures of genetic diversity characterise the spreading of donkey throughout the American continent. <i>Livestock Science</i> , 2017, 197, 1-7.	0.6	6
117	Morphological assessment of Niger Kuri cattle using multivariate methods. <i>South African Journal of Animal Sciences</i> , 2017, 47, 505.	0.2	6
118	Ancient autozygous segments subject to positive selection suggest adaptive immune responses in West African cattle. <i>Gene</i> , 2021, 803, 145899.	1.0	6
119	Machine Learning as an aid to management decisions on high somatic cell counts in dairy farms. <i>Archives Animal Breeding</i> , 2005, 48, 138-148.	0.5	6
120	Morphological assessment of the Zebu Bororo (Wodaabé) cattle of Niger in the West African zebu framework. <i>Archives Animal Breeding</i> , 2017, 60, 363-371.	0.5	6
121	Genetic relationships between six eastern Pyrenean sheep breeds assessed using microsatellites. <i>Spanish Journal of Agricultural Research</i> , 2014, 12, 1029.	0.3	6
122	Prion protein gene polymorphism in four West African sheep populations. <i>Tropical Animal Health and Production</i> , 2012, 44, 1469-1472.	0.5	5
123	Genetic structure of the bovine Y-specific microsatellite <i>UMN0103</i> reflects the genetic history of the species. <i>Animal Genetics</i> , 2011, 42, 566-567.	0.6	4
124	Testing a continuous variation in preweaning expression of muscular hypertrophy in beef cattle using field data. <i>Archives Animal Breeding</i> , 2002, 45, 139-149.	0.5	3
125	Breeding Strategies to Optimize Effective Population Size in Low Census Captive Populations: The Case of <i>Gazella cuvieri</i> . <i>Animals</i> , 2021, 11, 1559.	1.0	2
126	Conservación de la oveja Xalda de Asturias. <i>Animal Genetic Resources Information</i> , 2004, 34, 41-49.	0.3	1

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127	Short communication. Mitochondrial DNA diversity of the founder populations of the AsturcÃ³n pony. Spanish Journal of Agricultural Research, 2013, 11, 702.	0.3	1
128	Learning to Assess from Pair-Wise Comparisons. Lecture Notes in Computer Science, 2002, , 481-490.	1.0	1
129	Multivariate analyses of morphological traits characterise the Guinea fowl (Numida meleagris) of Burkina Faso as a homogeneous population. , 0, , .		1
130	CaracterizaciÃ³n productiva predestete de lechones de Gochu Asturcelta. Archivos De Zootecnia, 2011, 60, 337-340.	0.2	0
131	Learning data structure from classes: A case study applied to population genetics. Information Sciences, 2012, 193, 22-35.	4.0	0
132	111 FUNCTIONAL AND MOLECULAR GENITAL ASYMMETRY IN THE COW. Reproduction, Fertility and Development, 2013, 25, 203.	0.1	0