

F Javier PÃ©rez-BarberÃ¡a

List of Publications by Year in descending order

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71
papers

2,445
citations

201674

27
h-index

206112

48
g-index

73
all docs

73
docs citations

73
times ranked

2334
citing authors

#	ARTICLE	IF	CITATIONS
1	EVIDENCE FOR COEVOLUTION OF SOCIALITY AND RELATIVE BRAIN SIZE IN THREE ORDERS OF MAMMALS. Evolution; International Journal of Organic Evolution, 2007, 61, 2811-2821.	2.3	184
2	Landscape features affect gene flow of Scottish Highland red deer (<i>Cervus elaphus</i>). Molecular Ecology, 2008, 17, 981-996.	3.9	182
3	THE ORIGINS OF SEXUAL DIMORPHISM IN BODY SIZE IN UNGULATES. Evolution; International Journal of Organic Evolution, 2002, 56, 1276-1285.	2.3	144
4	Relationships between oral morphology and feeding style in the Ungulata: a phylogenetically controlled evaluation. Proceedings of the Royal Society B: Biological Sciences, 2001, 268, 1023-1032.	2.6	134
5	Factors affecting food comminution during chewing in ruminants: a review. Biological Journal of the Linnean Society, 1998, 63, 233-256.	1.6	124
6	The evolution of phylogenetic differences in the efficiency of digestion in ruminants. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 1081-1090.	2.6	106
7	The functional relationship between feeding type and jaw and cranial morphology in ungulates. Oecologia, 1999, 118, 157-165.	2.0	101
8	The effect of season, sex and feeding style on home range area versus body mass scaling in temperate ruminants. Oecologia, 2001, 127, 30-39.	2.0	91
9	The influence of molar occlusal surface area on the voluntary intake, digestion, chewing behaviour and diet selection of red deer (<i>Cervus elaphus</i>). Journal of Zoology, 1998, 245, 307-316.	1.7	78
10	Gregariousness increases brain size in ungulates. Oecologia, 2005, 145, 41-52.	2.0	69
11	Antlers - Evolution, development, structure, composition, and biomechanics of an outstanding type of bone. Bone, 2019, 128, 115046.	2.9	61
12	The Enhanced Vegetation Index (EVI) as a proxy for diet quality and composition in a mountain ungulate. Ecological Indicators, 2016, 61, 658-666.	6.3	55
13	Voluntary intake and digestibility in horses: effect of forage quality with emphasis on individual variability. Animal, 2008, 2, 1526-1533.	3.3	52
14	Are social factors sufficient to explain sexual segregation in ungulates?. Animal Behaviour, 2005, 69, 827-834.	1.9	49
15	Does the activity budget hypothesis explain sexual segregation in ungulates?. Animal Behaviour, 2005, 69, 257-267.	1.9	48
16	The influence of molar occlusal surface area on the voluntary intake, digestion, chewing behaviour and diet selection of red deer (<i>Cervus elaphus</i>). Journal of Zoology, 1998, 245, 307-316.	1.7	48
17	Body size dimorphism and sexual segregation in polygynous ungulates: an experimental test with Soay sheep. Oecologia, 1999, 120, 258-267.	2.0	46
18	Reproductive parameters, kidney fat index, and grazing activity relationships between the sexes in Cantabrian chamois <i>Rupicapra pyrenaica parva</i> . Acta Theriologica, 1998, 43, 311-324.	1.1	44

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19	Sexual Selection and Senescence: Male Size-Dimorphic Ungulates Evolved Relatively Smaller Molars than Females. <i>American Naturalist</i> , 2007, 170, 370-380.	2.1	43
20	Phylogenetic analysis of stomach adaptation in digestive strategies in African ruminants. <i>Oecologia</i> , 2001, 129, 498-508.	2.0	41
21	Genetic diversity and population structure of Scottish Highland red deer (<i>Cervus elaphus</i>) populations: a mitochondrial survey. <i>Heredity</i> , 2009, 102, 199-210.	2.6	36
22	Scaling methane emissions in ruminants and global estimates in wild populations. <i>Science of the Total Environment</i> , 2017, 579, 1572-1580.	8.0	36
23	Does the Jarman-Bell principle at intra-specific level explain sexual segregation in polygynous ungulates? Sex differences in forage digestibility in Soay sheep. <i>Oecologia</i> , 2008, 157, 21-30.	2.0	35
24	Long-term density-dependent changes in habitat selection in red deer (<i>Cervus elaphus</i>). <i>Oecologia</i> , 2013, 173, 837-847.	2.0	35
25	The relative roles of phylogeny, body size and feeding style on the activity time of temperate ruminants: a reanalysis. <i>Oecologia</i> , 1999, 120, 193-197.	2.0	33
26	Variable extent of sex-biased dispersal in a strongly polygynous mammal. <i>Molecular Ecology</i> , 2010, 19, 3101-3113.	3.9	32
27	Sex, seasonal and spatial differences in the diet of Cantabrian chamois <i>Rupicapra pyrenaica parva</i> . <i>Acta Theriologica</i> , 1997, 42, 37-46.	1.1	32
28	Seasonal variation in group size of Cantabrian chamois in relation to escape terrain and food. <i>Acta Theriologica</i> , 1994, 39, 295-305.	1.1	26
29	Evaluation of methods to age Scottish red deer: the balance between accuracy and practicality. <i>Journal of Zoology</i> , 2014, 294, 180-189.	1.7	24
30	Horn growth pattern in Cantabrian chamois <i>Rupicapra pyrenaica parva</i> : Influence of sex, location and phaenology. <i>Acta Theriologica</i> , 1996, 41, 83-92.	1.1	24
31	Anti-tumour activity of deer growing antlers and its potential applications in the treatment of malignant gliomas. <i>Scientific Reports</i> , 2021, 11, 42.	3.3	23
32	Wear Fast, Die Young: More Worn Teeth and Shorter Lives in Iberian Compared to Scottish Red Deer. <i>PLoS ONE</i> , 2015, 10, e0134788.	2.5	23
33	The influence of adaptation of rumen microflora on in vitro digestion of different forages by sheep and red deer. <i>Canadian Journal of Zoology</i> , 2002, 80, 1930-1937.	1.0	22
34	WHY DO POLYGYNOUS UNGULATES SEGREGATE IN SPACE? TESTING THE ACTIVITY-BUDGET HYPOTHESIS IN SOAY SHEEP. <i>Ecological Monographs</i> , 2007, 77, 631-647.	5.4	22
35	Meat quality of farmed red deer fed a balanced diet: effects of supplementation with copper bolus on different muscles. <i>Animal</i> , 2019, 13, 888-896.	3.3	22
36	The influence of sexual dimorphism in body size and mouth morphology on diet selection and sexual segregation in cervids. <i>Acta Veterinaria Hungarica</i> , 1998, 46, 357-67.	0.5	20

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37	Grazing activity of breeding and non-breeding female Cantabrian chamois (<i>Rupicapra pyrenaica parva</i>). <i>Ethology Ecology and Evolution</i> , 1996, 8, 353-363.	1.4	18
38	Stochastic modelling of ecological processes using hybrid Gibbs samplers. <i>Ecological Modelling</i> , 2006, 198, 40-52.	2.5	18
39	Rewilding Lite: Using Traditional Domestic Livestock to Achieve Rewilding Outcomes. <i>Sustainability</i> , 2021, 13, 3347.	3.2	18
40	Inferring networks from multivariate symbolic time series to unravel behavioural interactions among animals. <i>Animal Behaviour</i> , 2010, 79, 351-359.	1.9	17
41	Preferences of sheep and goats for straw pellets treated with different food-flavouring agents. <i>Small Ruminant Research</i> , 2006, 63, 50-57.	1.2	16
42	The Impact of Past Introductions on an Iconic and Economically Important Species, the Red Deer of Scotland. <i>Journal of Heredity</i> , 2013, 104, 14-22.	2.4	15
43	The influence of habitat on body size and tooth wear in Scottish red deer (<i>Cervus elaphus</i>). <i>Canadian Journal of Zoology</i> , 2015, 93, 61-70.	1.0	14
44	Heat stress reduces growth rate of red deer calf: Climate warming implications. <i>PLoS ONE</i> , 2020, 15, e0233809.	2.5	14
45	Factors affecting food comminution during chewing in ruminants: a review. <i>Biological Journal of the Linnean Society</i> , 1998, 63, 233-256.	1.6	13
46	State-Space Modelling of the Drivers of Movement Behaviour in Sympatric Species. <i>PLoS ONE</i> , 2015, 10, e0142707.	2.5	12
47	Social environment modulates investment in sex trait versus lifespan: red deer produce bigger antlers when facing more rivalry. <i>Scientific Reports</i> , 2020, 10, 9234.	3.3	11
48	Teeth eruption pattern in Cantabrian chamois <i>Rupicapra pyrenaica parva</i> . <i>Acta Theriologica</i> , 1996, 41, 217-221.	1.1	11
49	The effect of heather fragmentation and mixed grazing on the diet of sheep <i>Ovis aries</i> and red deer <i>Cervus elaphus</i> . <i>Acta Theriologica</i> , 2000, 45, 309-320.	1.1	10
50	THE ORIGINS OF SEXUAL DIMORPHISM IN BODY SIZE IN UNGULATES. <i>Evolution; International Journal of Organic Evolution</i> , 2002, 56, 1276.	2.3	9
51	Sexual selection for fighting skills as a driver of sexual segregation in polygynous ungulates: an evolutionary model. <i>Animal Behaviour</i> , 2010, 80, 745-755.	1.9	9
52	Assessing the impact of past wapiti introductions into Scottish Highland red deer populations using a Y chromosome marker. <i>Mammalian Biology</i> , 2011, 76, 640-643.	1.5	8
53	Ericaceous species reduce methane emissions in sheep and red deer: Respiration chamber measurements and predictions at the scale of European heathlands. <i>Science of the Total Environment</i> , 2020, 714, 136738.	8.0	8
54	What do rates of deposition of dental cementum tell us? Functional and evolutionary hypotheses in red deer. <i>PLoS ONE</i> , 2020, 15, e0231957.	2.5	8

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55	Sex Differences in Feeding Behaviour at Feeding Station Scale in Soay Sheep (<i>Ovis Aries</i>). <i>Behaviour</i> , 2004, 141, 999-1020.	0.8	7
56	First assessment of MHC diversity in wild Scottish red deer populations. <i>European Journal of Wildlife Research</i> , 2019, 65, 1.	1.4	7
57	Unraveling complexity in interspecies interaction through nonlinear dynamical models. <i>Acta Ethologica</i> , 2013, 16, 21-30.	0.9	6
58	Inferring symmetric and asymmetric interactions between animals and groups from positional data. <i>PLoS ONE</i> , 2018, 13, e0208202.	2.5	6
59	Using <i>Cementum Annuli</i> to Estimate Cantabrian Chamois Age. <i>Journal of Wildlife Management</i> , 1996, 60, 62.	1.8	5
60	Effects of Mn supplementation in late-gestating and lactating red deer (<i>Cervus elaphus hispanicus</i>) on milk production, milk composition, and calf growth. <i>Journal of Animal Science</i> , 2018, 96, 2038-2049.	0.5	5
61	Tooth wear as a practical indicator of sexual differences in senescence and mastication investment in ecology studies. <i>Ecological Indicators</i> , 2019, 103, 735-744.	6.3	5
62	Dynamics of social behaviour at parturition in a gregarious ungulate. <i>Behavioural Processes</i> , 2018, 150, 75-84.	1.1	4
63	Old and young female voices: effects of body weight, condition and social discomfort on the vocal aging in red deer hinds (<i>Cervus elaphus</i>). <i>Behaviour</i> , 2018, 155, 915-939.	0.8	4
64	The development of an intraruminal nylon bag technique using non-fistulated animals to assess the rumen degradability of dietary plant materials. <i>Animal</i> , 2018, 12, 54-65.	3.3	4
65	SWATH-MS Quantitative Proteomic Analysis of Deer Antler from Two Regenerating and Mineralizing Sections. <i>Biology</i> , 2021, 10, 679.	2.8	3
66	Sexual Selection and Senescence: Male Size-Dimorphic Ungulates Evolved Relatively Smaller Molars than Females. <i>American Naturalist</i> , 2007, 170, 370.	2.1	3
67	Maximizing intake under challenging foraging conditions at two spatial scales in Soay sheep. <i>Animal Behaviour</i> , 2007, 73, 339-348.	1.9	2
68	Water sprinkling as a tool for heat abatement in farmed Iberian red deer: Effects on calf growth and behaviour. <i>PLoS ONE</i> , 2021, 16, e0249540.	2.5	2
69	The Ruminant: Life History and Digestive Physiology of a Symbiotic Animal. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2020, , 19-45.	0.4	2
70	Uncovering interaction patterns of multi-agent collective motion via complex network analysis. , 2014, , .		1
71	Pelt Biting as a Practical Indicator of Social and Environment Stress in Farmed Red Deer. <i>Animals</i> , 2021, 11, 3134.	2.3	1