

# Evolutionary steps of ecophysiological adaptation and a comparative view of their digestive system

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Energy Nutrition in Ruminants. , 1990, , .		54
2	Ungulate Frugivores and the Browser-Grazer Continuum. <i>Oikos</i> , 1990, 57, 319.	1.2	99
3	Maximizing Energy Retention in Grazing Ruminants. <i>Journal of Animal Ecology</i> , 1991, 60, 1029.	1.3	45
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5	Conditioned taste aversions: how sick must a ruminant get before it learns about toxicity in foods?. <i>Applied Animal Behaviour Science</i> , 1991, 30, 35-46.	0.8	93
6	Die WiederkÄuer. Ä–kophysiologisch hochdifferenziert, biologisch erfolgreich-in ihrer Vielfalt gefÄhrdet. Eine vergleichend-anatomische Betrachtung der Evolution des WiederkÄuer-Verdauungsapparates. <i>Biologie in Unserer Zeit</i> , 1991, 21, 73-80.	0.3	6
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13	Seasonal variation of alimentary mineral and nitrogen pools in the moose. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1992, 102, 163-171.	0.7	13
14	<i>Quercus ilex</i> browse utilization by Caprini in Sierra de Cazorla and Segura (Spain). <i>Plant Ecology</i> , 1992, 99-100, 317-330.	1.2	33
15	Feed selection by goats on tropical semi-humid rangeland. <i>Small Ruminant Research</i> , 1992, 8, 285-298.	0.6	19
16	Dietary adaptations of two goat ancestors and evolutionary considerations. <i>Geobios</i> , 1992, 25, 797-809.	0.7	52
17	An evaluation of a rapid method for estimating digestibility. <i>African Journal of Ecology</i> , 1992, 30, 181-185.	0.4	9
18	Phenolics in ecological interactions: The importance of oxidation. <i>Journal of Chemical Ecology</i> , 1993, 19, 1521-1552.	0.9	606

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29	Adaptive rumen function in elk ( <i>Cervus elaphus nelsoni</i> ) and mule deer ( <i>Odocoileus hemionus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 0.45 37	0.4	37
30	Effects of Habitat Enrichment on Patterns of Diet Selection. , 1993, 3, 497-505.		38
31	Rumino-reticular motility in red deer ( <i>Cervus elaphus</i> ) fed chaffed lucerne hay during winter and summer. New Zealand Journal of Agricultural Research, 1993, 36, 465-473.	0.9	5
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39	Age-sex differences in the diets of Sika deer on Kinkazan Island, northern Japan. Ecological Research, 1994, 9, 251-256.	0.7	27
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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462	The Effect of Tannins on Mediterranean Ruminant Ingestive Behavior: The Role of the Oral Cavity. <i>Molecules</i> , 2011, 16, 2766-2784.	1.7	54
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469	Chronoethologische Untersuchung zur Jungtierentwicklung beim WeiÃŸlippenhirsch (Cervus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	0.9	1
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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718	Habitat Preferences of a European Bison ( <i>Bison bonasus</i> ) Population in the Carpathian Mountains. <i>Annales Zoologici Fennici</i> , 2016, 53, 1-18.	0.2	10
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#	ARTICLE	IF	CITATIONS
734	Macroscopic digestive tract anatomy of two small antelopes, the blackbuck ( <i>Antelope</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 747 Td (Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2016, 45, 392-398.	0.3	6
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740	Habitat use patterns and food habits of the Kashmir red deer or Hangul ( <i>Cervus elaphus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 502 Td	0.6	13
741	Threat or opportunity? Browsing preferences and potential impact of <i>Ammotragus lervia</i> on woody plants of a Mediterranean protected area. Journal of Arid Environments, 2016, 129, 9-15.	1.2	20
742	NMR-metabolomics profiling of mammary gland secretory tissue and milk serum in two goat breeds with different levels of tolerance to seasonal weight loss. Molecular BioSystems, 2016, 12, 2094-2107.	2.9	27
743	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.	0.6	10
744	Mammal Species Extinction and Decline: Some Current and Past Case Studies of the Detrimental Influence of Man. , 2016, , 21-44.		2
745	Using a new PDP modelling approach for land-use and land-cover change predictions: A case study in the Stubai Valley (Central Alps). Ecological Modelling, 2016, 322, 101-114.	1.2	15
746	Habitat and diet of Bhutan takin <i>Budorcas taxicolor whitei</i> during summer in Jigme Dorji National Park, Bhutan. Journal of Natural History, 2016, 50, 759-770.	0.2	5
747	Comparison of feed intake, digestion and rumen function among domestic ruminant species grazing in upland vegetation communities. Journal of Animal Physiology and Animal Nutrition, 2017, 101, 846-856.	1.0	14
748	Geographic Cline in the Shape of the Moose Mandible: Indications of an Adaptive Trend. Journal of Mammalian Evolution, 2017, 24, 233-241.	1.0	5
749	The tree species matrix, influence on the level of herbivore browsing in mixed forest stands in southwest Sweden<sup>â€“</sup>. Scandinavian Journal of Forest Research, 2017, 32, 1-5.	0.5	16
750	How foraging allometries and resource dynamics could explain Bergmann's rule and the bodyâ€”size diet relationship in mammals. Oikos, 2017, 126, .	1.2	12
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#	ARTICLE	IF	CITATIONS
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753	Borrowed plant defences: Deterring browsers using a forestry by-product. <i>Forest Ecology and Management</i> , 2017, 390, 1-7.	1.4	7
754	Summer-fall home-range fidelity of female elk in northwestern Colorado: Implications for aspen management. <i>Forest Ecology and Management</i> , 2017, 389, 220-227.	1.4	6
755	Cattle landscape selectivity is influenced by ecological and management factors in a heterogeneous mountain rangeland. <i>Rangeland Journal</i> , 2017, 39, 1.	0.4	18
756	Dental microwear textural analyses to track feeding ecology of reindeer: a comparison of two contrasting populations in Norway. <i>Mammal Research</i> , 2017, 62, 111-120.	0.6	9
757	Diet composition of the Italian roe deer ( <i>Capreolus capreolus italicus</i> ) (Mammalia: Cervidae) from two protected areas. , 2017, 84, 34-42.		15
758	Interactions between ungulates, forests, and supplementary feeding: the role of nutritional balancing in determining outcomes. <i>Mammal Research</i> , 2017, 62, 1-7.	0.6	28
759	Are Bison Intermediate Feeders? Unveiling Summer Diet Selection at the Northern Fringe of Historical Distribution. <i>Rangeland Ecology and Management</i> , 2017, 70, 405-410.	1.1	10
760	Impala, <i>Aepyceros melampus</i> : does browse quality influence their use of sites originally utilised as short-duration kraals in a southern African savanna?. <i>Rangeland Journal</i> , 2017, 39, 113.	0.4	10
761	Plant species selection by sheep in semi-natural dry grasslands extensively grazed in the south-western Italian Alps. <i>Rangeland Journal</i> , 2017, 39, 123.	0.4	11
762	Rumen prokaryotic communities of ruminants under different feeding paradigms on the Qinghai-Tibetan Plateau. <i>Systematic and Applied Microbiology</i> , 2017, 40, 227-236.	1.2	61
763	Woodland features determining home range size of roe deer. <i>Behavioural Processes</i> , 2017, 140, 115-120.	0.5	36
764	Ecological Aspects on Rumen Microbiome. , 2017, , 367-389.		1
765	Intestinal Microbial Community Dynamics of White-Tailed Deer ( <i>Odocoileus virginianus</i> ) in an Agroecosystem. <i>Microbial Ecology</i> , 2017, 74, 496-506.	1.4	37
766	Zebra stripes: an interspecies signal to facilitate mixed-species herding?. <i>Biological Journal of the Linnean Society</i> , 2017, 121, 947-952.	0.7	11
767	Retention of solute and particle markers in the digestive tract of captive Somali wild asses ( <i>Equus</i> ) Tj ETQq1 1 0.784314 rgBT <sub>4</sub> /Overlock	0.7	
768	Gross Measurements of the Digestive Tract and Visceral Organs of Addax Antelope (<i>Addax) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 107 Medicine Series C: Anatomia Histologia Embryologia, 2017, 46, 282-293.	0.3	14
769	Influence of cattle on browsing and grazing wildlife varies with rainfall and presence of megaherbivores. <i>Ecological Applications</i> , 2017, 27, 786-798.	1.8	35

#	ARTICLE	IF	CITATIONS
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772	Variation of natural diet of free ranging mouflon affects their ruminal protozoa composition. <i>Small Ruminant Research</i> , 2017, 157, 57-64.	0.6	4
774	Optimal management of two ecologically interacting deer speciesâ€”reality matters, beliefs don't. <i>Natural Resource Modelling</i> , 2017, 30, e12137.	0.8	9
775	Feather-Eating In Grebes: A 500-Year Conundrum. <i>Wilson Journal of Ornithology</i> , 2017, 129, 446-458.	0.1	9
776	Maintenance of Distal Intestinal Structure in the Face of Prolonged Fasting: A Comparative Examination of Species From Five Vertebrate Classes. <i>Anatomical Record</i> , 2017, 300, 2208-2219.	0.8	11
777	Advancements in Molecular Techniques and Bioinformatics for Understanding the Rumen Microbiome. , 2017, , 337-349.		0
778	Which tooth to sample? A methodological study of the utility of premolar/non-carnassial teeth in the microwear analysis of mammals. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 487, 229-240.	1.0	32
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782	Quantitative aspects of the ruminating process in giraffes ( <i>Giraffa camelopardalis</i> ) fed with different diets. <i>Zoo Biology</i> , 2017, 36, 407-412.	0.5	3
783	Group or ungroup â€” moose behavioural response to recolonization of wolves. <i>Frontiers in Zoology</i> , 2017, 14, 10.	0.9	14
784	Gross Anatomy of Pampas Deer ( <i>Ozotoceros bezoarticus</i> , Linnaeus 1758) Mouth and Pharynx. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2017, 46, 195-203.	0.3	6
785	Low Copper Levels Associated with Low Carcass Weight in Wild Red Deer ( <i>Cervus elaphus</i> ) in Norway. <i>Journal of Wildlife Diseases</i> , 2017, 53, 176-180.	0.3	5
786	Gut content microbiota of introduced bigheaded carps ( <i>Hypophthalmichthys</i> spp.) inhabiting the largest shallow lake in Central Europe. <i>Microbiological Research</i> , 2017, 195, 40-50.	2.5	25
787	Habitat selection by a large herbivore at multiple spatial and temporal scales is primarily governed by food resources. <i>Ecography</i> , 2017, 40, 1014-1027.	2.1	60
788	Rumen content stratification in the giraffe ( <i>Giraffa camelopardalis</i> ). <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2017, 203, 69-76.	0.8	10
789	Different facets of tree sapling diversity influence browsing intensity by deer dependent on spatial scale. <i>Ecology and Evolution</i> , 2017, 7, 6779-6789.	0.8	22

#	ARTICLE	IF	CITATIONS
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793	A high resolution atlas of gene expression in the domestic sheep ( <i>Ovis aries</i> ). <i>PLoS Genetics</i> , 2017, 13, e1006997.	1.5	210
794	Weather affects temporal niche partitioning between moose and livestock. <i>Wildlife Biology</i> , 2017, 2017, 1-12.	0.6	18
795	Ecology of Woody Plants in African Savanna Ecosystems. , 2017, , .		5
796	Highway construction and wildlife populations: Evidence from Austria. <i>Land Use Policy</i> , 2018, 73, 447-457.	2.5	13
797	Comparative evaluation of macroevolutionary regimes of Ruminantia and selected mammalian lineages. <i>Biological Journal of the Linnean Society</i> , 2018, 123, 814-824.	0.7	1
798	Probiotics and Prebiotics: An Overview on Recent Trends. , 2018, , 1-34.		14
799	Diet reconstruction for an extinct deer ( <i>Cervidae: Cetartiodactyla</i> ) from the Quaternary of South America. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 497, 244-252.	1.0	12
800	Red deer structure the ground-dwelling beetle community in boreal forest. <i>Biodiversity and Conservation</i> , 2018, 27, 2507-2525.	1.2	7
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802	Microanatomy of the digestive tract, hooves and some visceral organs of addax antelope (<i>Addax</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Series C: Anatomia Histologia Embryologia, 2018, 47, 254-267.	0.3	3
803	An in vitro evaluation of browser and grazer fermentation efficiency and microbiota using European moose spring and summer foods. <i>Ecology and Evolution</i> , 2018, 8, 4183-4196.	0.8	5
804	Seroprevalence of <i>Toxoplasma gondii</i> and <i>Neospora caninum</i> infection in sheep, goats, and fallow deer farmed on the same area1. <i>Journal of Animal Science</i> , 2018, 96, 2468-2473.	0.2	33
805	Seasonal dynamics of forage for red deer in temperate forests: importance of the habitat properties, stand development stage and overstorey dynamics. <i>Wildlife Biology</i> , 2018, 2018, 1-10.	0.6	21
806	Browse silage as potential feed for captive wild ungulates in southern Africa: A review. <i>Animal Nutrition</i> , 2018, 4, 1-10.	2.1	13
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#	ARTICLE	IF	CITATIONS
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810	Rewilding Europe's large grazer community: how functionally diverse are the diets of European bison, cattle, and horses?. <i>Restoration Ecology</i> , 2018, 26, 891-899.	1.4	53
811	Computed tomography study of the fetal development of the dairy cow stomach complex. <i>Journal of Dairy Science</i> , 2018, 101, 1719-1729.	1.4	2
812	Within trophic level shifts in collagenâ€“carbonate stable carbon isotope spacing are propagated by diet and digestive physiology in large mammal herbivores. <i>Ecology and Evolution</i> , 2018, 8, 3983-3995.	0.8	31
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814	Norse Animal Husbandry in Liminal Environments: Stable Isotope Evidence from the Scottish North Atlantic Islands. <i>Environmental Archaeology</i> , 2018, 23, 338-351.	0.6	21
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816	Bioaugmentation of the anaerobic digestion of food waste by dungs of herbivore, carnivore, and omnivore zoo animals. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 516-526.	1.2	12
817	Influence of ration composition on nutritive and digestive variables in captive giraffes ( <i>Giraffa</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 1 1.0 4 and <i>Animal Nutrition</i> , 2018, 102, e513-e524.	1.0	4
818	Plastic adaptations of foraging strategies to variation in forage quality in Alpine chamois ( <i>Rupicapra rupicapra</i> ). <i>Canadian Journal of Zoology</i> , 2018, 96, 269-275.	0.4	7
819	Development and characterization of 2-dimensional culture for buffalo intestinal cells. <i>Cytotechnology</i> , 2018, 70, 361-373.	0.7	4
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823	Diversionary feeding can reduce red deer habitat selection pressure on vulnerable forest stands, but is not a panacea for red deer damage. <i>Forest Ecology and Management</i> , 2018, 407, 166-173.	1.4	35
824	Forage Resources, Nutrition, and Food Supply of Free-Grazing Camels ( <i>Camelus bactrianus</i> ) in a Pasture within the Natural Steppe Zone. <i>Biology Bulletin</i> , 2018, 45, 961-972.	0.1	1
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#	ARTICLE	IF	CITATIONS
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827	Mule deer forage availability and quality at the Chihuahuan Desert rangelands, Mexico after a severe 3-year drought. Cogent Biology, 2018, 4, 1536315.	1.7	3
828	Forage diversity, type and abundance influence winter resource selection by white-tailed deer. Journal of Vegetation Science, 2018, 29, 619-628.	1.1	10
829	The group pattern of Marco Polo sheep in the Chinese Pamir plateau. European Journal of Wildlife Research, 2018, 64, 1.	0.7	4
830	Divergence of Fecal Microbiota and Their Associations With Host Phylogeny in Cervinae. Frontiers in Microbiology, 2018, 9, 1823.	1.5	9
831	Temporal patterns of ungulate herbivory and phenology of aspen regeneration and defense. Oecologia, 2018, 188, 707-719.	0.9	5
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833	Adaptive Anatomical Specialization of the Intestines of Alpacas Taking into Account their Original Habitat and Feeding Behaviour. Anatomical Record, 2018, 301, 1840-1851.	0.8	5
834	Herbivory. , 2018, , 47-56.		0
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837	Solubility of Tannins and Preparation of Oil-Soluble Derivatives. Journal of Oleo Science, 2018, 67, 1179-1187.	0.6	14
838	Complementary endozoochorous seed dispersal by large mammals in the Golestan National Park, Iran. Seed Science Research, 2018, 28, 294-302.	0.8	13
839	The complexity of interacting nutritional drivers behind food selection, a review of northern cervids. Ecosphere, 2018, 9, e02230.	1.0	41
840	Being "hangry": food depletion and its cascading effects on social behaviour. Biological Journal of the Linnean Society, 0, , .	0.7	5
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842	Dietary resource use and competition between white-tailed deer and introduced sika deer. Wildlife Research, 2018, 45, 457.	0.7	13
843	Comparative analysis of winter diets and habitat use by the sympatric blue sheep ( <i>Pseudois nayaur</i> ) and Alashan red deer ( <i>Cervus alashanicus</i> ) in the Helan Mountains, China. Folia Zoologica, 2018, 67, 43.	0.9	4

#	ARTICLE	IF	CITATIONS
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845	Differential effects of cattle, mule deer, and elk herbivory on aspen forest regeneration and recruitment. <i>Forest Ecology and Management</i> , 2018, 422, 273-280.	1.4	17
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847	Plant Selection and Performance of Two Cattle Types and Camels on Semiarid Rangelands in Kenya. <i>Rangeland Ecology and Management</i> , 2018, 71, 798-806.	1.1	1
848	Foraging habitats and niche partitioning of European large herbivores during the Holocene – Insights from 3D dental microwear texture analysis. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 506, 183-195.	1.0	13
849	Settling the browser-grazer debate for African buffalo in grass-limited Eastern Cape thicket, South Africa. <i>Koedoe</i> , 2018, 60, .	0.3	1
850	Chronic deer browsing leads to biotic homogenization of minerotrophic peatlands. <i>Botany</i> , 2018, 96, 499-509.	0.5	5
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852	Foraging Behavior of Criollo vs. Brahman – Criollo Crossbreds in the Bolivian Chaco: Case Study. <i>Rangeland Ecology and Management</i> , 2018, 71, 757-761.	1.1	4
853	Reproductive effort and success of males in scramble-competition polygyny: Evidence for tradeoffs between foraging and mate search. <i>Journal of Animal Ecology</i> , 2018, 87, 1600-1614.	1.3	26
854	Circadian periodicity in space use by ungulates of temperate regions: How much, when and why?. <i>Journal of Animal Ecology</i> , 2018, 87, 1299-1308.	1.3	6
855	Morphological study of the hard palate in the Egyptian goats ( <i>Capra hircus</i> ): A scanning electron microscopic study. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2018, 47, 391-397.	0.3	14
856	Seasonal regulation of condensed tannin consumption by free-ranging goats in a semi-arid savanna. <i>PLoS ONE</i> , 2018, 13, e0189626.	1.1	9
857	Stable isotope signatures of large herbivore foraging habitats across Europe. <i>PLoS ONE</i> , 2018, 13, e0190723.	1.1	39
858	Identification and characterization of microRNAs in the intestinal tissues of sheep ( <i>Ovis aries</i> ). <i>PLoS ONE</i> , 2018, 13, e0193371.	1.1	16
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860	Development of an in situ procedure to evaluate the reticulo-rumen morphology of sheep selected for divergent methane emissions. <i>Animal</i> , 2019, 13, 542-548.	1.3	5
861	Meeting caribou in the alpine: Do moose compete with caribou for food?. <i>Global Ecology and Conservation</i> , 2019, 20, e00733.	1.0	8



#	ARTICLE	IF	CITATIONS
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863	The blame game: Using eDNA to identify species-specific tree browsing by red deer ( <i>Cervus elaphus</i> ) and roe deer ( <i>Capreolus capreolus</i> ) in a temperate forest. <i>Forest Ecology and Management</i> , 2019, 451, 117483.	1.4	14
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865	Ruminal fermentation characteristics of goats selectively bred to have greater consumption of juniper foliage. <i>Animal Feed Science and Technology</i> , 2019, 256, 114240.	1.1	3
866	Long-term dynamics of Alpine ungulates suggest interspecific competition. <i>Journal of Zoology</i> , 2019, 309, 241-249.	0.8	24
867	Adapt or die—Response of large herbivores to environmental changes in Europe during the Holocene. <i>Global Change Biology</i> , 2019, 25, 2915-2930.	4.2	35
868	Temporal variation in foraging activity and grouping patterns in a mountain-dwelling herbivore: Environmental and endogenous drivers. <i>Behavioural Processes</i> , 2019, 167, 103909.	0.5	13
869	Influence of Farming Conditions on the Rumen of Red Deer ( <i>Cervus elaphus</i> ). <i>Animals</i> , 2019, 9, 601.	1.0	4
870	Interactions between a population of fallow deer ( <i>Dama dama</i> ), humans and crops in a managed composite temperate landscape in southern Sweden: Conflict or opportunity?. <i>PLoS ONE</i> , 2019, 14, e0215594.	1.1	14
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873	Ecological conditions experienced by offspring during pregnancy and early post-natal life determine mandible size in roe deer. <i>PLoS ONE</i> , 2019, 14, e0222150.	1.1	6
874	Climate, competition and weather conditions drive vertical displacement and habitat use of an alpine ungulate in a highly topographic landscape. <i>Landscape Ecology</i> , 2019, 34, 2523-2539.	1.9	16
875	Combined dental wear and cementum analyses in ungulates reveal the seasonality of Neanderthal occupations in Covalejos Cave (Northern Iberia). <i>Scientific Reports</i> , 2019, 9, 14335.	1.6	18
876	Development of Salmonellosis as Affected by Bioactive Food Compounds. <i>Microorganisms</i> , 2019, 7, 364.	1.6	5
877	Digesta passage in nondomestic ruminants: Separation mechanisms in “moose-type” and “cattle-type” species, and seemingly atypical browsers. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2019, 235, 180-192.	0.8	18
878	Gross intestinal morphometry and allometry in ruminants. <i>Journal of Morphology</i> , 2019, 280, 1254-1266.	0.6	12
879	Long-term changes in northern large-herbivore communities reveal differential rewilding rates in space and time. <i>PLoS ONE</i> , 2019, 14, e0217166.	1.1	34
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#	ARTICLE	IF	CITATIONS
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882	Retention of solutes and particles in the gastrointestinal tract of a grazing cervid: Père David's deer ( <i>Elaphurus davidianus</i> ). <i>European Journal of Wildlife Research</i> , 2019, 65, 1.	0.7	2
883	Faecal metabolites and hair cortisol as biological markers of HPA-axis activity in the Rocky mountain goat. <i>General and Comparative Endocrinology</i> , 2019, 280, 147-157.	0.8	28
884	Changing land use and increasing abundance of deer cause natural regeneration failure of oaks: Six decades of landscape-scale evidence. <i>Forest Ecology and Management</i> , 2019, 444, 299-307.	1.4	49
885	Grazing by wild red deer: Management options for the conservation of semi-natural open habitats. <i>Journal of Applied Ecology</i> , 2019, 56, 1311-1321.	1.9	13
886	Seasonal diet composition of Pyrenean chamois is mainly shaped by primary production waves. <i>PLoS ONE</i> , 2019, 14, e0210819.	1.1	31
887	Effects of boom and bust grazing management on vegetation and health of beef cattle used for wildfire prevention in a Mediterranean forest. <i>Science of the Total Environment</i> , 2019, 665, 18-22.	3.9	7
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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