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Role of the rumen in copper and thiomolybdate absorption

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#	Paper	IF	Citations
77	Copper imbalances in ruminants and humans: unexpected common ground. <i>Advances in Nutrition</i> , 2012 , 3, 666-74	10	40
76	Mineral deficiency status of ranging zebu (<i>Bos indicus</i>) cattle around the Gilgel Gibe catchment, Ethiopia. <i>Tropical Animal Health and Production</i> , 2013 , 45, 1139-47	1.7	11
75	Effect of inorganic or organic copper fed without or with added sulfur and molybdenum on the performance, indicators of copper status, and hepatic mRNA in dairy cows. <i>Journal of Dairy Science</i> , 2013 , 96, 4355-67	4	11
74	Effects of trace element supplementation on apparent nutrient digestibility and utilisation in grass-fed zebu (<i>Bos indicus</i>) cattle. <i>Livestock Science</i> , 2013 , 155, 255-261	1.7	14
73	High dietary sulfur decreases the retention of copper, manganese, and zinc in steers. <i>Journal of Animal Science</i> , 2014 , 92, 2182-91	0.7	29
72	Deregulated expression of cytoskeleton related genes in the spinal cord and sciatic nerve of presymptomatic SOD1(G93A) Amyotrophic Lateral Sclerosis mouse model. <i>Frontiers in Cellular Neuroscience</i> , 2014 , 8, 148	6.1	19
71	A disparate trace element metabolism in zebu (<i>Bos indicus</i>) and crossbred (<i>Bos indicus</i> × <i>Bos taurus</i>) cattle in response to a copper-deficient diet. <i>Journal of Animal Science</i> , 2014 , 92, 3007-17	0.7	5
70	Liver copper concentrations in cull cattle in the UK: are cattle being copper loaded?. <i>Veterinary Record</i> , 2015 , 177, 493	0.9	22
69	Molybdenum and copper in four varieties of common bean (<i>Phaseolus vulgaris</i>): new data of potential utility in designing healthy diet for diabetic patients. <i>Biological Trace Element Research</i> , 2015 , 163, 244-54	4.5	9
68	Intake of selected minerals on commercial dairy herds in central and northern England in comparison with requirements. <i>Journal of Agricultural Science</i> , 2015 , 153, 743-752	1	16
67	Effect of ferric ammonium citrate in feedlot diets with varying dried distillersTgrains inclusion on ruminal hydrogen sulfide concentrations and steer growth. <i>Journal of Animal Science</i> , 2016 , 94, 3894-3901	0.7	0
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65	A suspected case of hepatogenous chronic copper toxicity in a Charolais heifer. <i>Veterinary Record Case Reports</i> , 2016 , 4, e000252	0.2	0
64	Revision of the currently authorised maximum copper content in complete feed. <i>EFSA Journal</i> , 2016 , 14, e04563	2.3	34
63	Effects of Different Levels of Molybdenum on Rumen Microbiota and Trace Elements Changes in Tissues from Goats. <i>Biological Trace Element Research</i> , 2016 , 174, 85-92	4.5	15
62	Selenium, copper and iron in veterinary medicine-From clinical implications to scientific models. <i>Journal of Trace Elements in Medicine and Biology</i> , 2016 , 37, 96-103	4.1	10
61	The Content of Copper and Molybdenum in the Liver, Kidneys, and Skeletal Muscles of Elk (<i>Alces alces</i>) from North-Eastern Poland. <i>Biological Trace Element Research</i> , 2016 , 169, 204-10	4.5	7

60	Molybdenum in natural waters: A review of occurrence, distributions and controls. <i>Applied Geochemistry</i> , 2017 , 84, 387-432	3.5	136
59	Added dietary sulfur and molybdenum has a greater influence on hepatic copper concentration, intake, and performance in Holstein-Friesian dairy cows offered a grass silage-rather than corn silage-based diet. <i>Journal of Dairy Science</i> , 2017 , 100, 4365-4376	4	5
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57	Diseases of the Alimentary Tract. 2017 , 175-435		1
56	Teratogenesis in Livestock. 2017 , 1391-1408		0
55	Effects of Copper and Zinc Supplementation on Weight Gain and Hematological Parameters in Pre-weaning Calves. <i>Biological Trace Element Research</i> , 2018 , 185, 327-331	4.5	7
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53	Trace Elements and Minerals in Health and Longevity. <i>Healthy Ageing and Longevity</i> , 2018 ,	0.5	3
52	Molybdenum. <i>Healthy Ageing and Longevity</i> , 2018 , 179-207	0.5	
51	Case Study: Regional assessment of mineral element concentrations in Idaho forage and range grasses. <i>The Professional Animal Scientist</i> , 2018 , 34, 494-504		5
50	Risk assessment of high concentrations of molybdenum in forage. <i>Environmental Geochemistry and Health</i> , 2018 , 40, 2685-2694	4.7	5
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43	Landspreading with co-digested cattle slurry, with or without pasteurisation, as a mitigation strategy against pathogen, nutrient and metal contamination associated with untreated slurry. <i>Science of the Total Environment</i> , 2020 , 744, 140841	10.2	5

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36	The utility of electrocardiography and echocardiography in copper deficiency-induced cardiac damage in goats. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 7815-7827	5.1	3
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27	Effects of inorganic copper injection in beef cows at late gestation on fetal and postnatal growth, hematology and immune function of their progeny. <i>Research in Veterinary Science</i> , 2021 , 139, 11-17	2.5	2
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