Harinder Ps Makkar

List of Publications by Year
in descending order

35 papers	5,246 citations	257450 24 h-index	377865 34 g-index
35 all docs	35 docs citations	35 times ranked	5116 citing authors

#	Article	IF	Citations
1	Antinutritional factors present in plant-derived alternate fish feed ingredients and their effects in fish. Aquaculture, 2001, 199, 197-227.	3.5	1,668
2	State-of-the-art on use of insects as animal feed. Animal Feed Science and Technology, 2014, 197, 1-33.	2.2	1,048
3	Dietary roles of phytate and phytase in human nutrition: A review. Food Chemistry, 2010, 120, 945-959.	8.2	623
4	Non-starch polysaccharides and their role in fish nutrition â€“ A review. Food Chemistry, 2011, 127, 1409-1426.	8.2	328
5	Protein concentrate fromJatropha curcasscrewâ€pressed seed cake and toxic and antinutritional factors in protein concentrate. Journal of the Science of Food and Agriculture, 2008, 88, 1542-1548.	3.5	165
6	Divergence between purified hydrolysable and condensed tannin effects on methane emission, rumen fermentation and microbial population in vitro. Animal Feed Science and Technology, 2015, 209, 60-68.	2.2	151
7	Effects of Sesbania sesban and Carduus pycnocephalus leaves and Fenugreek (Trigonella) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 concentrate-based feeds to methane. Animal Feed Science and Technology, 2008, 147, 72-89.	2.2	133
8	Physiological, haematological and histopathological responses in common carp (Cyprinus carpio L.) fingerlings fed with differently detoxified Jatropha curcas kernel meal. Food and Chemical Toxicology, 2010, 48, 2063-2072.	3.6	103
9	Tannins determined by various methods as predictors of methane production reduction potential of plants by an in vitro rumen fermentation system. Animal Feed Science and Technology, 2009, 150, 230-237.	2.2	90
10	Dietary supplementation with a Quillaja saponin mixture improves growth performance and metabolic efficiency in common carp (Cyprinus carpio L.). Aquaculture, 2002, 203, 311-320.	3.5	84
11	In vitro gas methods for evaluation of feeds containing phytochemicals. Animal Feed Science and Technology, 2005, 123-124, 291-302.	2.2	78
12	Protein-binding capacity of microquantities of tannins. Analytical Biochemistry, 1988, 170, 50-53.	2.4	77
13	Quillaja saponinsâ€"a natural growth promoter for fish. Animal Feed Science and Technology, 2005, 121, 147-157.	2.2	73
14	Towards sustainable animal diets: A survey-based study. Animal Feed Science and Technology, 2014, 198, 309-322.	2.2	63
15	Isolation, stability and bioactivity of Jatropha curcas phorbol esters. FÃ¬toterapÃ¬Ã¢, 2012, 83, 586-592.	2.2	53
16	Biodegradation of Jatropha curcas phorbol esters in soil. Journal of the Science of Food and Agriculture, 2010, 90, 2090-2097.	3.5	47
17	Jatropha platyphylla, a new non-toxic Jatropha species: Physical properties and chemical constituents including toxic and antinutritional factors of seeds. Food Chemistry, 2011, 125, 63-71.	8.2	45
18	Variations in Seed Number per Fruit, Seed Physical Parameters and Contents of Oil, Protein and Phorbol Ester in Toxic and Non-Toxic Genotypes of Jatropha curcas. Journal of Plant Sciences, 2008, 3, 260-265.	0.2	45

#	Article	IF	Citations
19	Activities of Jatropha curcas phorbol esters in various bioassays. Ecotoxicology and Environmental Safety, 2012, 78, 57-62.	6.0	44
20	Limitation of the butanolâ€“hydrochloric acidâ€“iron assay for bound condensed tannins. Food Chemistry, 1999, 66, 129-133.	8.2	41
21	Screening Plants and Plant Products for Methane Inhibitors. , 2010, , 191-231.		35
22	State-of-the-art on detoxification of Jatropha curcas products aimed for use as animal and fish feed: A review. Animal Feed Science and Technology, 2016, 222, 87-99.	2.2	29
23	Effects of replacing soybean meal by detoxified Jatropha curcas kernel meal in the diet of growing pigs on their growth, serum biochemical parameters and visceral organs. Animal Feed Science and Technology, 2011, 170, 141-146.	2.2	27
24	Potential of using phorbol esters as an insecticide against Spodoptera frugiperda. Industrial Crops and Products, 2012, 38, 50-53.	5.2	27
25	Isolation of phytate from Jatropha curcas kernel meal and effects of isolated phytate on growth, digestive physiology and metabolic changes in Nile tilapia (Oreochromis niloticus L.). Food and Chemical Toxicology, 2011, 49, 2144-2156.	3.6	26
26	Are Jatropha curcas phorbol esters degraded by rumen microbes?. Journal of the Science of Food and Agriculture, 2010, 90, 1562-1565.	3.5	21
27	Localisation of antinutrients and qualitative identification of toxic components in Jatropha curcas seed. Journal of the Science of Food and Agriculture, 2012, 92, 1519-1525.	3.5	19
28	Modifying gut microbiomes in large ruminants: Opportunities in non-intensive husbandry systems. Animal Frontiers, 2016, 6, 27.	1.7	19
29	Occular and dermal toxicity of Jatropha curcas phorbol esters. Ecotoxicology and Environmental Safety, 2013, 94, 172-178.	6.0	17
30	Use of nuclear and related techniques to develop simple tannin assays for predicting and improving the safety and efficiency of feeding ruminants on tanniniferous tree foliage: Achievements, result implications, and future research. Animal Feed Science and Technology, 2005, 122, 3-12.	2.2	16
31	A review of the use of isotopic and nuclear techniques in animal production. Animal Feed Science and Technology, 2008, 140, 418-443.	2.2	16
32	Ozone exposure during growth affects the feeding value of rice shoots. Animal Feed Science and Technology, 2010, 155, 74-79.	2.2	16
33	Shelf-life of isolated phorbol esters from Jatropha curcas oil. Industrial Crops and Products, 2013, 49, 454-461.	5.2	8
34	Chemical characterisation of kernels, kernel meals and oils from Jatropha cordata andÂJatropha cardiophylla seeds. Journal of the Science of Food and Agriculture, 2013, 93, 1706-1710.	3.5	6
35	Chemical and biological assays for quantification of major plant secondary metabolites. BSAP Occasional Publication, 2006, 34, 235-249.	0.0	5