Monika Sodhi

List of Publications by Year
in descending order

62	906	430874	501196
papers	citations	18 h-index	28 g-index

65	65	65	984
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Peripheral blood mononuclear cells: a potential cellular system to understand differential heat shock response across native cattle (Bos indicus), exotic cattle (Bos taurus), and riverine buffaloes (Bubalus bubalis) of India. Cell Stress and Chaperones, 2014, 19, 613-621.	2.9	75
2	Genetic diversity of Indian native cattle breeds as analysed with 20 microsatellite loci. Journal of Animal Breeding and Genetics, 2004, 121, 416-424.	2.0	63
3	Impact of Heat Stress on Cellular and Transcriptional Adaptation of Mammary Epithelial Cells in Riverine Buffalo (Bubalus Bubalis). PLoS ONE, 2016, 11, e0157237.	2.5	56
4	DGAT1 and ABCG2 polymorphism in Indian cattle (Bos indicus) and buffalo (Bubalus bubalis) breeds. BMC Veterinary Research, 2006, 2, 32.	1.9	45
5	Transcriptome Analysis of Circulating PBMCs to Understand Mechanism of High Altitude Adaptation in Native Cattle of Ladakh Region. Scientific Reports, 2018, 8, 7681.	3.3	42
6	Multiple Asian pig origins revealed through genomic analyses. Molecular Phylogenetics and Evolution, 2010, 54, 680-686.	2.7	41
7	Novel polymorphisms in UTR and coding region of inducible heat shock protein 70.1 gene in tropically adapted Indian zebu cattle (Bos indicus) and riverine buffalo (Bubalus bubalis). Gene, 2013, 527, 606-615.	2.2	39
8	Reproductive biotechniques in buffaloes (Bubalus bubalis): status, prospects and challenges. Reproduction, Fertility and Development, 2009, 21, 499.	0.4	37
9	Microsatellite-based diversity analysis and genetic relationships of three Indian sheep breeds. Journal of Animal Breeding and Genetics, 2006, 123, 258-264.	2.0	32
10	MspI Allelic Pattern of Bovine Growth Hormone Gene in Indian Zebu Cattle (Bos indicus) Breeds. Biochemical Genetics, 2007, 45, 145-153.	1.7	31
11	Selection of stable reference genes in heat stressed peripheral blood mononuclear cells of tropically adapted Indian cattle and buffaloes. Molecular and Cellular Probes, 2013, 27, 140-144.	2.1	27
12	Title is missing!. Euphytica, 2003, 130, 107-115.	1.2	26
13	Selection of suitable reference genes for normalization of quantitative RT-PCR (RT-qPCR) expression data across twelve tissues of riverine buffaloes (Bubalus bubalis). PLoS ONE, 2018, 13, e0191558.	2.5	26
14	Characterizing Nali and Chokla sheep differentiation with microsatellite markers. Small Ruminant Research, 2006, 65, 185-192.	1.2	22
15	Heat stress modulates differential response in skin fibroblast cells of native cattle (Bos) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	2.4	22
16	Identification of Appropriate Reference Genes for qRT-PCR Analysis of Heat-Stressed Mammary Epithelial Cells in Riverine Buffaloes (Bubalus bubalis). ISRN Biotechnology, 2013, 2013, 1-9.	1.9	22
17	Milk proteins and human health: A1/A2 milk hypothesis. Indian Journal of Endocrinology and Metabolism, 2012, 16, 856.	0.4	21
18	Evaluation of Genetic Differentiation in Bos indicus Cattle Breeds from Marathwada Region of India Using Microsatellite Polymorphism. Animal Biotechnology, 2005, 16, 127-137.	1.5	18

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19	Analysis of Genetic Variation at the Prolactin-RsaI (PRL-RsaI) Locus in Indian Native Cattle Breeds (Bos) Tj ETQq1 1 0.784314 rgBT /Ov	1.7	18
20	Microsatellite DNA typing for assessment of genetic variability in Tharparkar breed of Indian zebu (Bos) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.7	17
21	Microsatellite Analysis of Genetic Population Structure of Zebu Cattle (Bos indicus) Breeds from North-Western Region of India. Animal Biotechnology, 2011, 22, 16-29.	1.5	17
22	Identification of suitable housekeeping genes for normalization of quantitative realâ€time <scp>PCR</scp> data during different physiological stages of mammary gland in riverine buffaloes (<scp>B</scp>ubalus bubalis). Journal of Animal Physiology and Animal Nutrition, 2013, 97, 1132-1141.	2.2	16
23	Overexpression of genes associated with hypoxia in cattle adapted to Trans Himalayan region of Ladakh. Cell Biology International, 2018, 42, 1141-1148.	3.0	15
24	Identification of internal control genes in milkâ€derived mammary epithelial cells during lactation cycle of <scp>I</scp>ndian zebu cow. Animal Science Journal, 2016, 87, 344-353.	1.4	14
25	Characterizing binding sites of heat responsive microRNAs and their expression pattern in heat stressed PBMCs of native cattle, exotic cattle and riverine buffaloes. Molecular Biology Reports, 2019, 46, 6513-6524.	2.3	14
26	Genetic Diversity and Structure of Two Prominent Zebu Cattle Breeds Adapted to the Arid Region of India Inferred from Microsatellite Polymorphism. Biochemical Genetics, 2008, 46, 124-136.	1.7	11
27	Evaluating suitable internal control genes for transcriptional studies in heatâ€stressed mammary explants of buffaloes. Journal of Animal Breeding and Genetics, 2013, 130, 106-117.	2.0	10
28	Evaluation of Milk Colostrum Derived Lactoferrin of Sahiwal (Bos indicus) and Karan Fries (Cross-Bred) Cows for Its Anti-Cancerous Potential. International Journal of Molecular Sciences, 2019, 20, 6318.	4.1	10
29	Sequence analysis and identification of new variations in the 5â€²-flanking region of Î±S2-casein gene in Indian zebu cattle. Molecular Biology Reports, 2013, 40, 4473-4481.	2.3	7
30	Stage Specific Expression of ATP-Binding Cassette and Solute Carrier Superfamily of Transporter Genes in Mammary Gland of Riverine Buffalo (Bubalus bubalis). Animal Biotechnology, 2014, 25, 200-209.	1.5	7
31	Characterization of rare migratory cattle and evaluation of its phylogeny using short-tandem-repeat-based markers. Journal of Applied Animal Research, 2017, 45, 355-363.	1.2	7
32	Production of Kids from In vitro Fertilized Goat Embryos and Their Parentage Assessment Using Microsatellite Markers. Asian-Australasian Journal of Animal Sciences, 2007, 20, 842-849.	2.4	7
33	Sequence analysis of a few species of termites (Order: Isoptera) on the basis of partial characterization of COII gene. Molecular and Cellular Biochemistry, 2009, 331, 145-151.	3.1	6
34	Molecular characterization and analysis of the porcine betaine homocysteine methyltransferase and betaine homocysteine methyltransferase-2 genes. Gene, 2011, 473, 133-138.	2.2	6
35	Analysis of genetic variations across regulatory and coding regions of kappa-casein gene of Indian native cattle (Bos indicus) and buffalo (Bubalus bubalis). Meta Gene, 2014, 2, 769-781.	0.6	6
36	Sequence characterization of alpha 1 isoform (ATP1A1) of Na+/K+-ATPase gene and expression characteristics of its major isoforms across tissues of riverine buffaloes (Bubalus bubalis). Gene Reports, 2018, 10, 97-108.	0.8	6

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37	Genetic characterization and population structure of different coat colour variants of Badri cattle. Molecular Biology Reports, 2020, 47, 8485-8497.	2.3	6
38	In Silico Analysis of HSP70 Gene Family in Bovine Genome. Biochemical Genetics, 2021, 59, 134-158.	1.7	6
39	Matrixâ€based threeâ€dimensional culture of buffalo mammary epithelial cells showed higher induction of genes related to milk protein and fatty acid metabolism. Cell Biology International, 2016, 40, 232-238.	3.0	5
40	Y-chromosome genetic diversity of Bos indicus cattle in close proximity to the centre of domestication. Scientific Reports, 2020, 10, 9992.	3.3	5
41	Genetic Variation of the Major Histocompatibility Complex DRB3.2 Locus in the Native Bos indicus Cattle Breeds. Asian-Australasian Journal of Animal Sciences, 2009, 22, 1487-1494.	2.4	5
42	Milk-derived mammary epithelial cells as non-invasive source to define stage-specific abundance of milk protein and fat synthesis transcripts in native Sahiwal cows and Murrah buffaloes. 3 Biotech, 2019, 9, 106.	2.2	4
43	Assessment of Genetic Variability in Two North Indian Buffalo Breeds Using Random Amplified Polymorphic DNA (RAPD) Markers. Asian-Australasian Journal of Animal Sciences, 2006, 19, 1234-1239.	2.4	4
44	Identification of Internal Reference Genes in Peripheral Blood Mononuclear Cells of Cattle Populations Adapted to Hot Arid Normoxia and Cold Arid Hypoxia Environments. Frontiers in Genetics, 2021, 12, 730599.	2.3	4
45	Characterization of thermo-physiological, hematological, and molecular changes in response to seasonal variations in two tropically adapted native cattle breeds of Bos indicus lineage in hot arid ambience of Thar Desert. International Journal of Biometeorology, 2022, 66, 1515-1529.	3.0	4
46	Microsatellite Marker Based Characterization of Genetic Diversity in Kankrej Cattle. Journal of Applied Animal Research, 2007, 31, 153-158.	1.2	3
47	Genetic relatedness of six North-Indian butterfly species (Lepidoptera :Pieridae) based on 16S rRNA sequence analysis. Molecular and Cellular Biochemistry, 2007, 295, 145-151.	3.1	3
48	PCR-SSCP and sequence analysis of three Odontotermes spp. (Order: Isoptera; Family: Termitidae) on the basis of partial 16SrRNA gene. Molecular and Cellular Biochemistry, 2009, 330, 153-162.	3.1	3
49	Distribution of Major Allelic Variants at Exon-IV of Kappa Casein Gene in Indian Native Cattle. Journal of Applied Animal Research, 2010, 38, 117-121.	1.2	3
50	Genetic Polymorphisms in the Bovine Toll-Like Receptor 4 (TLR4) and Monocyte Chemo Attractant Protein-1(CCL2) Genes: SNPs Distribution Analysis inBos indicusSahiwal Cattle Breed. Animal Biotechnology, 2014, 25, 250-265.	1.5	3
51	Expression profile of different classes of proteases in milk derived somatic cells across different lactation stages of indigenous cows (Bos indicus) and riverine buffaloes (Bubalus bubalis). Animal Biotechnology, 2021, , 1-10.	1.5	2
52	Demographic pattern of A1/A2 beta casein variants indicates conservation of A2 type haplotype across native cattle breeds (Bos indicus) of India. 3 Biotech, 2022, 12, .	2.2	2
53	Identification of genetic variation in NOD-like receptor 2 gene and influence of polymorphism on gene structure and function in buffalo (Bubalus bubalis). Research in Veterinary Science, 2017, 115, 43-50.	1.9	1
54	Characterization of porcine betaine homocysteine methyltransferase (BHMT) and betaine homocysteine methyltransferase â€2 (BHMT2) genes. FASEB Journal, 2009, 23, 738.7.	0.5	1

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55	Allelic diversity at BoLA DRB3 locus and association with predisposition to clinical mastitis in indicus and crossbred cattle. Animal Biotechnology, 2021, , 1-10.	1.5	1
56	Mitochondrial DNA: a tool for elucidating molecular phylogenetics and population. , 2022, , 27-38.		1
57	Construction and Evaluation of Directionally Cloned cDNA Libraries from Lactating and Non-lactating Mammary Gland of River Buffalo (Bubalus bubalis): A Resource for Gene Identification in Bubaline Genome. Journal of Applied Animal Research, 2008, 33, 81-84.	1.2	0
58	Conservation of coding and untranslated regions of heat shock protein Beta-1 (HSPB1) gene and its expression pattern in heat stressed peripheral blood mononuclear cells of Indian native cattle (Bos) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.1	0
59	Y-chromosome variation in Indian native cattle breeds and crossbred population. Indian Journal of Animal Research, 2017, , .	0.1	0
60	Detection of polymorphism in the promoter region of TNF-alpha gene of water buffalo (Bubalus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54	0.1	0
61	Understanding heat stress response in dairy animals: an overview. , 2022, , 393-404.		0
62	Strategies for characterizing and protecting animal resources for future generations. , 2022, , 319-327.		0