Sudarshan Kumar

List of Publications by Year
in descending order

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57	1,045	394421	454955
papers	citations	19 h-index	30 g-index

58	58	58	1185
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Phage therapy for treatment of virulent Klebsiella pneumoniae infection in a mouse model. Journal of Global Antimicrobial Resistance, 2020, 21, 34-41.	2.2	92
2	Resveratrol treatment during goat oocytes maturation enhances developmental competence of parthenogenetic and hand-made cloned blastocysts by modulating intracellular glutathione level and embryonic gene expression. Journal of Assisted Reproduction and Genetics, 2014, 31, 229-239.	2.5	83
3	Molecular mechanism of mammary gland involution: An update. Developmental Biology, 2019, 445, 145-155.	2.0	63
4	Comparative 2D-DIGE Proteomic Analysis of Bovine Mammary Epithelial Cells during Lactation Reveals Protein Signatures for Lactation Persistency and Milk Yield. PLoS ONE, 2014, 9, e102515.	2.5	49
5	High-resolution mass spectrometry-based global proteomic analysis of probiotic strains Lactobacillus fermentum NCDC 400 and RS2. Journal of Proteomics, 2017, 152, 121-130.	2.4	45
6	Effect of thermal stress on HSP70 expression in dermal fibroblast of zebu (Tharparkar) and crossbred (Karan-Fries) cattle. Journal of Thermal Biology, 2014, 43, 46-53.	2.5	41
7	Examination of pathways involved in leukemia inhibitory factor (LIF)-induced cell growth arrest using label-free proteomics approach. Journal of Proteomics, 2017, 168, 37-52.	2.4	40
8	Evaluation of some in vitro probiotic properties of Lactobacillus fermentum Strains. Journal of Food Science and Technology, 2018, 55, 2801-2807.	2.8	40
9	Profiling of urinary proteins in Karan Fries cows reveals more than 1550 proteins. Journal of Proteomics, 2015, 127, 193-201.	2.4	39
10	Identification of potential protein biomarkers for early detection of pregnancy in cow urine using 2D DIGE and label free quantitation. Clinical Proteomics, 2016, 13, 15.	2.1	32
11	Label-free quantitative proteomic analysis of Lactobacillus fermentum NCDC 400 during bile salt exposure. Journal of Proteomics, 2017, 167, 36-45.	2.4	32
12	Mechanistic insights into the host-microbe interaction and pathogen exclusion mediated by the Mucus-binding protein of Lactobacillus plantarum. Scientific Reports, 2018, 8, 14198.	3.3	32
13	Draft Genome Sequence of Lactobacillus fermentum NCDC 400, Isolated from a Traditional Indian Dairy Product. Genome Announcements, 2018, 6, .	0.8	29
14	Proteome analysis of functionally differentiated bovine (Bos indicus) mammary epithelial cells isolated from milk. Proteomics, 2013, 13, 3189-3204.	2.2	25
15	Role of Natural Killer Cells during Pregnancy and Related Complications. Biomolecules, 2022, 12, 68.	4.0	25
16	Proteomic Analysis of the Human Anterior Pituitary Gland. OMICS A Journal of Integrative Biology, 2018, 22, 759-769.	2.0	23
17	Antimicrobial Peptides in Farm Animals: An Updated Review on Its Diversity, Function, Modes of Action and Therapeutic Prospects. Veterinary Sciences, 2020, 7, 206.	1.7	23
18	Effect of recombinant and native buffalo OVGP1 on sperm functions and in vitro embryo development: a comparative study. Journal of Animal Science and Biotechnology, 2017, 8, 69.	5.3	22

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19	Expression of fibronectin-binding protein of L. acidophilus NCFM and in vitro refolding to adhesion capable native-like protein from inclusion bodies. Protein Expression and Purification, 2018, 145, 7-13.	1.3	21
20	High-Resolution Mass Spectrometerâ€“Based Ultra-Deep Profile of Milk Whey Proteome in Indian Zebu (Sahiwal) Cattle. Frontiers in Nutrition, 2020, 7, 150.	3.7	21
21	Tandem Mass Tag (TMT)-based quantitative proteomics reveals potential targets associated with onset of Sub-clinical Mastitis in cows. Scientific Reports, 2020, 10, 9321.	3.3	19
22	DIGE based proteome analysis of mammary gland tissue in water buffalo (Bubalus bubalis): Lactating vis-a-vis heifer. Journal of Proteomics, 2015, 119, 100-111.	2.4	18
23	Gene expression profiling of spontaneously occurring canine mammary tumours: Insight into gene networks and pathways linked to cancer pathogenesis. PLoS ONE, 2018, 13, e0208656.	2.5	18
24	Role of Fibulins in Embryonic Stage Development and Their Involvement in Various Diseases. Biomolecules, 2021, 11, 685.	4.0	15
25	Functional characterization of Mammary Gland Protein-40, a chitinase-like glycoprotein expressed during mammary gland apoptosis. Apoptosis: an International Journal on Programmed Cell Death, 2016, 21, 209-224.	4.9	14
26	Expression of recombinant truncated domains of mucus-binding (Mub) protein of Lactobacillus plantarum in soluble and biologically active form. Protein Expression and Purification, 2017, 135, 54-60.	1.3	12
27	Genome-wide gene expression analysis of 45â€¯days pregnant fetal cotyledons vis-a-vis non-pregnant caruncles in buffalo (Bubalus bubalis). Gene, 2018, 654, 127-137.	2.2	12
28	Semen analysis and sperm characteristics of Karan Fries cattle. Animal Reproduction Science, 2020, 212, 106250.	1.5	12
29	GenomeÂwide expression analysis of the heat stress response in dermal fibroblasts of Tharparkar (zebu) and Karan-Fries (zebu Ã— taurine) cattle. Cell Stress and Chaperones, 2020, 25, 327-344.	2.9	12
30	Expression and purification of buffalo interferon-tau and efficacy of recombinant buffalo interferon-tau for in vitro embryo development. Cytokine, 2015, 75, 186-196.	3.2	10
31	Comparative serum proteome analysis reveals potential early pregnancy-specific protein biomarkers in pigs. Reproduction, Fertility and Development, 2019, 31, 613.	0.4	10
32	Validation of putative reference genes for gene expression studies in heat stressed and Î±-MSH treated melanocyte cells of Bos indicus using real-time quantitative PCR. Molecular and Cellular Probes, 2016, 30, 161-167.	2.1	9
33	In-depth proteome analysis of more than 12,500 proteins in buffalo mammary epithelial cell line identifies protein signatures for active proliferation and lactation. Scientific Reports, 2020, 10, 4834.	3.3	9
34	TMT based deep proteome analysis of buffalo mammary epithelial cellsÂand identification of novel protein signatures during lactogenic differentiation. FASEB Journal, 2021, 35, e21621.	0.5	9
35	Primary structures of different isoforms of buffalo pregnancy-associated glycoproteins (BuPAGs) during early pregnancy and elucidation of the 3-dimensional structure of the most abundant isoform BuPAG 7. PLoS ONE, 2018, 13, e0206143.	2.5	8
36	Structural and functional characterization of buffalo oviduct-specific glycoprotein (OVGP1) expressed during estrous cycle. Bioscience Reports, 2019, 39, .	2.4	8

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37	Molecular cloning, sequence characterization and heterologous expression of buffalo (Bubalus) Tj ETQq1 1 0.784314 rgBT /Overlock	2.3	7
38	Generation of parthenogenetic goat blastocysts: effects of different activation methods and culture media. Zygote, 2015, 23, 327-335.	1.1	7
39	Transcriptional Repression of MFG-E8 Causes Disturbance in the Homeostasis of Cell Cycle Through DOCK/ZP4/STAT Signaling in Buffalo Mammary Epithelial Cells. Frontiers in Cell and Developmental Biology, 2021, 9, 568660.	3.7	6
40	Peptide profiling in cow urine reveals molecular signature of physiology-driven pathways and in-silico predicted bioactive properties. Scientific Reports, 2021, 11, 12427.	3.3	6
41	Buffalo Leukemia Inhibitory Factor Induces Differentiation and Dome-Like Secondary Structures in COS-1 Cells. Cytogenetic and Genome Research, 2017, 151, 119-130.	1.1	5
42	Role of alpha-melanocyte stimulating hormone (Î±-MSH) in modulating the molecular mechanism adopted by melanocytes of Bos indicus under UVR stress. Molecular and Cellular Biochemistry, 2020, 465, 141-153.	3.1	5
43	Quantitative proteomics revealed the putative biomarker for detection of early-stage intra-mammary gland infection in cow. Journal of Proteins and Proteomics, 2020, 11, 173-181.	1.5	5
44	EZH2 knockdown in tamoxifen-resistant MCF-7 cells unravels novel targets for regaining sensitivity towards tamoxifen. Breast Cancer, 2021, 28, 355-367.	2.9	5
45	Non-SELEX method for aptamer selection against Î²-casomorphin-7 peptide. Journal of Dairy Science, 2022, 105, 5545-5560.	3.4	5
46	Molecular cloning and production of caprine recombinant Oct4 protein for generation induced pluripotent stem cells. Molecular Biology Reports, 2015, 42, 1583-1591.	2.3	4
47	Heat stress induced adaptation in melanocytes is dependent on the level of melanin and reduction of apoptosis. Journal of Dermatological Science, 2017, 85, 250-252.	1.9	4
48	Recombinant purified buffalo leukemia inhibitory factor plays an inhibitory role in cell growth. PLoS ONE, 2018, 13, e0198523.	2.5	4
49	Derivation of goat embryonic stem cell-like cell lines from in vitro produced parthenogenetic blastocysts. Small Ruminant Research, 2013, 113, 145-153.	1.2	3
50	New insights into the catalytic inactivity of mammary gland protein-40, a chitinase-like protein expressed during mammary gland involution. Molecular Biology Reports, 2019, 46, 2243-2257.	2.3	3
51	Production of biologically active recombinant buffalo leukemia inhibitory factor (BuLIF) in Escherichia Coli. Journal of Genetic Engineering and Biotechnology, 2022, 20, 47.	3.3	2
52	Characterization of buffalo native pregnancy-associated glycoprotein: mass spectrometry-based glycan composition analysis, sugar-binding characteristics and proteolytic activity assay. Journal of Proteins and Proteomics, 2019, 10, 23-32.	1.5	1
53	DIGE-based identification of preferentially expressed proteins in early stage of lactogenic differentiation in buffalo (Bubalus bubalis) mammary epithelial cells. Journal of Proteins and Proteomics, 2021, 12, 19-31.	1.5	1
54	Molecular cloning, sequence characterization and recombinant expression of Nanog gene in goat fibroblast cells using lentiviral based expression system. Molecular Biology Reports, 2014, 41, 1907-1915.	2.3	0

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55	Molecular characterization of IFN-T expressed in buffalo embryonic trophoblasts and expression of recombinant BuIFN-T1a2 and BuIFN-T8 isoforms in E. coli. Protein Expression and Purification, 2016, 122, 8-14.	1.3	0
56	Aptamers based sensing of pregnancy associated glycoproteins (PAG) of bovine for early pregnancy detection. Scientific Reports, 2021, 11, 23193.	3.3	0
57	Proteomics-based advancements in research toward sustainable production from dairy livestock. , 2022, , 353-358.		0