

Sudarshan Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

1,045
citations

394421

19
h-index

454955

30
g-index

58
all docs

58
docs citations

58
times ranked

1185
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of Natural Killer Cells during Pregnancy and Related Complications. <i>Biomolecules</i> , 2022, 12, 68.	4.0	25
2	Proteomics-based advancements in research toward sustainable production from dairy livestock. , 2022, , 353-358.		0
3	Production of biologically active recombinant buffalo leukemia inhibitory factor (BuLIF) in <i>Escherichia Coli</i> . <i>Journal of Genetic Engineering and Biotechnology</i> , 2022, 20, 47.	3.3	2
4	Non-SELEX method for aptamer selection against $\hat{1}^2$ -casomorphin-7 peptide. <i>Journal of Dairy Science</i> , 2022, 105, 5545-5560.	3.4	5
5	EZH2 knockdown in tamoxifen-resistant MCF-7 cells unravels novel targets for regaining sensitivity towards tamoxifen. <i>Breast Cancer</i> , 2021, 28, 355-367.	2.9	5
6	DIGE-based identification of preferentially expressed proteins in early stage of lactogenic differentiation in buffalo (<i>Bubalus bubalis</i>) mammary epithelial cells. <i>Journal of Proteins and Proteomics</i> , 2021, 12, 19-31.	1.5	1
7	Transcriptional Repression of MFG-E8 Causes Disturbance in the Homeostasis of Cell Cycle Through DOCK/ZP4/STAT Signaling in Buffalo Mammary Epithelial Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 568660.	3.7	6
8	TMT based deep proteome analysis of buffalo mammary epithelial cells and identification of novel protein signatures during lactogenic differentiation. <i>FASEB Journal</i> , 2021, 35, e21621.	0.5	9
9	Role of Fibulins in Embryonic Stage Development and Their Involvement in Various Diseases. <i>Biomolecules</i> , 2021, 11, 685.	4.0	15
10	Peptide profiling in cow urine reveals molecular signature of physiology-driven pathways and in-silico predicted bioactive properties. <i>Scientific Reports</i> , 2021, 11, 12427.	3.3	6
11	Aptamers based sensing of pregnancy associated glycoproteins (PAG) of bovine for early pregnancy detection. <i>Scientific Reports</i> , 2021, 11, 23193.	3.3	0
12	Phage therapy for treatment of virulent <i>Klebsiella pneumoniae</i> infection in a mouse model. <i>Journal of Global Antimicrobial Resistance</i> , 2020, 21, 34-41.	2.2	92
13	Role of alpha-melanocyte stimulating hormone ($\hat{1}\pm$ -MSH) in modulating the molecular mechanism adopted by melanocytes of <i>Bos indicus</i> under UVR stress. <i>Molecular and Cellular Biochemistry</i> , 2020, 465, 141-153.	3.1	5
14	Semen analysis and sperm characteristics of Karan Fries cattle. <i>Animal Reproduction Science</i> , 2020, 212, 106250.	1.5	12
15	Quantitative proteomics revealed the putative biomarker for detection of early-stage intra-mammary gland infection in cow. <i>Journal of Proteins and Proteomics</i> , 2020, 11, 173-181.	1.5	5
16	Antimicrobial Peptides in Farm Animals: An Updated Review on Its Diversity, Function, Modes of Action and Therapeutic Prospects. <i>Veterinary Sciences</i> , 2020, 7, 206.	1.7	23
17	In-depth proteome analysis of more than 12,500 proteins in buffalo mammary epithelial cell line identifies protein signatures for active proliferation and lactation. <i>Scientific Reports</i> , 2020, 10, 4834.	3.3	9
18	Tandem Mass Tag (TMT)-based quantitative proteomics reveals potential targets associated with onset of Sub-clinical Mastitis in cows. <i>Scientific Reports</i> , 2020, 10, 9321.	3.3	19

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19	Genome-wide expression analysis of the heat stress response in dermal fibroblasts of Tharparkar (zebu) and Karan-Fries (zebu × taurine) cattle. <i>Cell Stress and Chaperones</i> , 2020, 25, 327-344.	2.9	12
20	High-Resolution Mass Spectrometer-Based Ultra-Deep Profile of Milk Whey Proteome in Indian Zebu (Sahiwal) Cattle. <i>Frontiers in Nutrition</i> , 2020, 7, 150.	3.7	21
21	Comparative serum proteome analysis reveals potential early pregnancy-specific protein biomarkers in pigs. <i>Reproduction, Fertility and Development</i> , 2019, 31, 613.	0.4	10
22	New insights into the catalytic inactivity of mammary gland protein-40, a chitinase-like protein expressed during mammary gland involution. <i>Molecular Biology Reports</i> , 2019, 46, 2243-2257.	2.3	3
23	Molecular mechanism of mammary gland involution: An update. <i>Developmental Biology</i> , 2019, 445, 145-155.	2.0	63
24	Characterization of buffalo native pregnancy-associated glycoprotein: mass spectrometry-based glycan composition analysis, sugar-binding characteristics and proteolytic activity assay. <i>Journal of Proteins and Proteomics</i> , 2019, 10, 23-32.	1.5	1
25	Structural and functional characterization of buffalo oviduct-specific glycoprotein (OVGP1) expressed during estrous cycle. <i>Bioscience Reports</i> , 2019, 39, .	2.4	8
26	Genome-wide gene expression analysis of 45-day pregnant fetal cotyledons vis-a-vis non-pregnant caruncles in buffalo (<i>Bubalus bubalis</i>). <i>Gene</i> , 2018, 654, 127-137.	2.2	12
27	Draft Genome Sequence of <i>Lactobacillus fermentum</i> NCDC 400, Isolated from a Traditional Indian Dairy Product. <i>Genome Announcements</i> , 2018, 6, .	0.8	29
28	Expression of fibronectin-binding protein of <i>L. acidophilus</i> NCFM and in vitro refolding to adhesion capable native-like protein from inclusion bodies. <i>Protein Expression and Purification</i> , 2018, 145, 7-13.	1.3	21
29	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. <i>PLoS ONE</i> , 2018, 13, e0206143.	2.5	8
30	Proteomic Analysis of the Human Anterior Pituitary Gland. <i>OMICS A Journal of Integrative Biology</i> , 2018, 22, 759-769.	2.0	23
31	Gene expression profiling of spontaneously occurring canine mammary tumours: Insight into gene networks and pathways linked to cancer pathogenesis. <i>PLoS ONE</i> , 2018, 13, e0208656.	2.5	18
32	Mechanistic insights into the host-microbe interaction and pathogen exclusion mediated by the Mucus-binding protein of <i>Lactobacillus plantarum</i> . <i>Scientific Reports</i> , 2018, 8, 14198.	3.3	32
33	Evaluation of some in vitro probiotic properties of <i>Lactobacillus fermentum</i> Strains. <i>Journal of Food Science and Technology</i> , 2018, 55, 2801-2807.	2.8	40
34	Recombinant purified buffalo leukemia inhibitory factor plays an inhibitory role in cell growth. <i>PLoS ONE</i> , 2018, 13, e0198523.	2.5	4
35	Expression of recombinant truncated domains of mucus-binding (Mub) protein of <i>Lactobacillus plantarum</i> in soluble and biologically active form. <i>Protein Expression and Purification</i> , 2017, 135, 54-60.	1.3	12
36	Buffalo Leukemia Inhibitory Factor Induces Differentiation and Dome-Like Secondary Structures in COS-1 Cells. <i>Cytogenetic and Genome Research</i> , 2017, 151, 119-130.	1.1	5

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37	Heat stress induced adaptation in melanocytes is dependent on the level of melanin and reduction of apoptosis. <i>Journal of Dermatological Science</i> , 2017, 85, 250-252.	1.9	4
38	Label-free quantitative proteomic analysis of <i>Lactobacillus fermentum</i> NCDC 400 during bile salt exposure. <i>Journal of Proteomics</i> , 2017, 167, 36-45.	2.4	32
39	Examination of pathways involved in leukemia inhibitory factor (LIF)-induced cell growth arrest using label-free proteomics approach. <i>Journal of Proteomics</i> , 2017, 168, 37-52.	2.4	40
40	High-resolution mass spectrometry-based global proteomic analysis of probiotic strains <i>Lactobacillus fermentum</i> NCDC 400 and RS2. <i>Journal of Proteomics</i> , 2017, 152, 121-130.	2.4	45
41	Effect of recombinant and native buffalo OVGP1 on sperm functions and in vitro embryo development: a comparative study. <i>Journal of Animal Science and Biotechnology</i> , 2017, 8, 69.	5.3	22
42	Identification of potential protein biomarkers for early detection of pregnancy in cow urine using 2D DIGE and label free quantitation. <i>Clinical Proteomics</i> , 2016, 13, 15.	2.1	32
43	Functional characterization of Mammary Gland Protein-40, a chitinase-like glycoprotein expressed during mammary gland apoptosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2016, 21, 209-224.	4.9	14
44	Molecular characterization of IFN-T expressed in buffalo embryonic trophoblasts and expression of recombinant BulFN-T1a2 and BulFN-T8 isoforms in <i>E. coli</i> . <i>Protein Expression and Purification</i> , 2016, 122, 8-14.	1.3	0
45	Validation of putative reference genes for gene expression studies in heat stressed and $\hat{I}\pm$ -MSH treated melanocyte cells of <i>Bos indicus</i> using real-time quantitative PCR. <i>Molecular and Cellular Probes</i> , 2016, 30, 161-167.	2.1	9
46	Profiling of urinary proteins in Karan Fries cows reveals more than 1550 proteins. <i>Journal of Proteomics</i> , 2015, 127, 193-201.	2.4	39
47	DIGE based proteome analysis of mammary gland tissue in water buffalo (<i>Bubalus bubalis</i>): Lactating vis-a-vis heifer. <i>Journal of Proteomics</i> , 2015, 119, 100-111.	2.4	18
48	Generation of parthenogenetic goat blastocysts: effects of different activation methods and culture media. <i>Zygote</i> , 2015, 23, 327-335.	1.1	7
49	Expression and purification of buffalo interferon-tau and efficacy of recombinant buffalo interferon-tau for in vitro embryo development. <i>Cytokine</i> , 2015, 75, 186-196.	3.2	10
50	Molecular cloning and production of caprine recombinant Oct4 protein for generation induced pluripotent stem cells. <i>Molecular Biology Reports</i> , 2015, 42, 1583-1591.	2.3	4
51	Comparative 2D-DIGE Proteomic Analysis of Bovine Mammary Epithelial Cells during Lactation Reveals Protein Signatures for Lactation Persistency and Milk Yield. <i>PLoS ONE</i> , 2014, 9, e102515.	2.5	49
52	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. <i>Journal of Assisted Reproduction and Genetics</i> , 2014, 31, 229-239.	2.5	83
53	Molecular cloning, sequence characterization and recombinant expression of Nanog gene in goat fibroblast cells using lentiviral based expression system. <i>Molecular Biology Reports</i> , 2014, 41, 1907-1915.	2.3	0
54	Effect of thermal stress on HSP70 expression in dermal fibroblast of zebu (Tharparkar) and crossbred (Karan-Fries) cattle. <i>Journal of Thermal Biology</i> , 2014, 43, 46-53.	2.5	41

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55	Proteome analysis of functionally differentiated bovine (<i>Bos indicus</i>) mammary epithelial cells isolated from milk. <i>Proteomics</i> , 2013, 13, 3189-3204.	2.2	25
56	Derivation of goat embryonic stem cell-like cell lines from in vitro produced parthenogenetic blastocysts. <i>Small Ruminant Research</i> , 2013, 113, 145-153.	1.2	3
57	Molecular cloning, sequence characterization and heterologous expression of buffalo (<i>Bubalus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.3	7