Ajai K Tripathi

List of Publications by Year in descending order

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39	993	516561	454834
papers	citations	16 h-index	30 g-index

40	40	40	1503
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Brain Iron Homeostasis: From Molecular Mechanisms To Clinical Significance and Therapeutic Opportunities. Antioxidants and Redox Signaling, 2014, 20, 1324-1363.	2.5	165
2	Bile acid metabolism is altered in multiple sclerosis and supplementation ameliorates neuroinflammation. Journal of Clinical Investigation, 2020, 130, 3467-3482.	3.9	109
3	Metagenomic analysis of Surti buffalo (Bubalus bubalis) rumen: a preliminary study. Molecular Biology Reports, 2012, 39, 4841-4848.	1.0	72
4	Prion protein functions as a ferrireductase partner for ZIP14 and DMT1. Free Radical Biology and Medicine, 2015, 84, 322-330.	1.3	67
5	DNA methylation in demyelinated multiple sclerosis hippocampus. Scientific Reports, 2017, 7, 8696.	1.6	54
6	Alpha-synuclein modulates retinal iron homeostasis by facilitating the uptake of transferrin-bound iron: Implications for visual manifestations of Parkinson's disease. Free Radical Biology and Medicine, 2016, 97, 292-306.	1.3	46
7	Oligodendrocyte Intrinsic miR-27a Controls Myelination and Remyelination. Cell Reports, 2019, 29, 904-919.e9.	2.9	40
8	Iron in Neurodegenerative Disorders of Protein Misfolding: A Case of Prion Disorders and Parkinson's Disease. Antioxidants and Redox Signaling, 2014, 21, 471-484.	2.5	36
9	Methanogen diversity in the rumen of Indian Surti buffalo (Bubalus bubalis), assessed by 16S rDNA analysis. Research in Veterinary Science, 2012, 92, 451-455.	0.9	32
10	Prion Protein Promotes Kidney Iron Uptake via Its Ferrireductase Activity. Journal of Biological Chemistry, 2015, 290, 5512-5522.	1.6	32
11	Study of rumen metagenome community using qPCR under different diets. Meta Gene, 2014, 2, 191-199.	0.3	28
12	Myostatin knockdown and its effect on myogenic gene expression program in stably transfected goat myoblasts. In Vitro Cellular and Developmental Biology - Animal, 2014, 50, 587-596.	0.7	22
13	Myostatin gene silencing by RNA interference in chicken embryo fibroblast cells. Journal of Biotechnology, 2012, 160, 140-145.	1.9	21
14	Expression of diseaseâ€related mi<scp>RNA</scp>s in whiteâ€matter lesions of progressive multiple sclerosis brains. Annals of Clinical and Translational Neurology, 2019, 6, 854-862.	1.7	20
15	Identification of novel transcripts deregulated in buccal cancer by RNA-seq. Gene, 2012, 507, 152-158.	1.0	18
16	Transcriptomic dissection of myogenic differentiation signature in caprine by RNA-Seq. Mechanisms of Development, 2014, 132, 79-92.	1.7	18
17	CK2 inhibition confers functional protection to young and aging axons against ischemia by differentially regulating the CDK5 and AKT signaling pathways. Neurobiology of Disease, 2019, 126, 47-61.	2.1	18
18	Short Hairpin RNA-Induced Myostatin Gene Silencing in Caprine Myoblast Cells In Vitro. Applied Biochemistry and Biotechnology, 2013, 169, 688-694.	1.4	17

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19	A modified enrichment protocol for adult caprine skeletal muscle stem cell. Cytotechnology, 2010, 62, 483-488.	0.7	16
20	Transport of Non-Transferrin Bound Iron to the Brain: Implications for Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2017, 58, 1109-1119.	1.2	16
21	In vitro expression profiling of myostatin, follistatin, decorin and muscle-specific transcription factors in adult caprine contractile myotubes. Journal of Muscle Research and Cell Motility, 2011, 32, 23-30.	0.9	12
22	In vitro silencing of myostatin gene by <scp>shRNAs</scp> in chicken embryonic myoblast cells. Biotechnology Progress, 2013, 29, 425-431.	1.3	12
23	Identifying miRNAs in multiple sclerosis gray matter lesions that correlate with atrophy measures. Annals of Clinical and Translational Neurology, 2021, 8, 1279-1291.	1.7	12
24	A preliminary sketch of horn cancer transcriptome in Indian zebu cattle. Gene, 2012, 493, 124-131.	1.0	11
25	The prion-ZIP connection: From cousins to partners in iron uptake. Prion, 2015, 9, 420-428.	0.9	11
26	Proteomic Approaches to Decipher Mechanisms Underlying Pathogenesis in Multiple Sclerosis Patients. Proteomics, 2019, 19, e1800335.	1.3	11
27	Methanogenic Diversity Studies within the Rumen of Surti buffaloes Based on Methyl Coenzyme M Reductase A (mcrA) Genes Point to Methanobacteriales. Polish Journal of Microbiology, 2010, 59, 175-178.	0.6	11
28	Dasytricha Dominance in Surti Buffalo Rumen Revealed by 18S rRNA Sequences and Real-Time PCR Assay. Current Microbiology, 2011, 63, 281-288.	1.0	10
29	The landscape of alternative splicing in buccal mucosa squamous cell carcinoma. Oral Oncology, 2013, 49, 604-610.	0.8	10
30	Heparanome-Mediated Rescue of Oligodendrocyte Progenitor Quiescence following Inflammatory Demyelination. Journal of Neuroscience, 2021, 41, 2245-2263.	1.7	10
31	Identification of novel splice variants in horn cancer by RNA-Seq analysis in Zebu cattle. Genomics, 2013, 101, 57-63.	1.3	8
32	Prion Protein-Hemin Interaction Upregulates Hemoglobin Synthesis: Implications for Cerebral Hemorrhage and Sporadic Creutzfeldt-Jakob Disease. Journal of Alzheimer's Disease, 2016, 51, 107-121.	1.2	7
33	Use of Real-Time PCR Technique in Determination of Major Fibrolytic and non Fibrolytic Bacteria Present in Indian Surti Buffaloes (Bubalus bubalis). Polish Journal of Microbiology, 2013, 62, 195-200.	0.6	5
34	Cytokine expression pattern in milk somatic cells of subclinical mastitis-affected cattle analyzed by real time PCR. Korean Journal of Veterinary Research, 2012, 52, 231-238.	0.1	5
35	Comparative Proteomic Profiling Identifies Reciprocal Expression of Mitochondrial Proteins Between White and Gray Matter Lesions From Multiple Sclerosis Brains. Frontiers in Neurology, 2021, 12, 779003.	1.1	4
36	Assessment of goat activin receptor type IIB knockdown by short hairpin RNAsin vitro. Journal of Receptor and Signal Transduction Research, 2014, 34, 506-512.	1.3	3

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37	Goat activin receptor type IIB knockdown by muscle specific promoter driven artificial microRNAs. Journal of Biotechnology, 2014, 187, 87-97.	1.9	2
38	H19 gene methylation study in Indian buffalo (Bubalus bubalis). Veterinary Research Communications, 2013, 37, 29-35.	0.6	1
39	Somatotropin-mediated gene expression profiling of differentially displayed ESTs during lactation in Indian buffalo (Bubalus bubalis). Journal of Dairy Research, 2011, 78, 326-334.	0.7	0