

# Ajai K Tripathi

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39 papers	651 citations	15 h-index	24 g-index
40 ext. papers	832 ext. citations	4.2 avg, IF	3.69 L-index

#	Paper	IF	Citations
39	Brain iron homeostasis: from molecular mechanisms to clinical significance and therapeutic opportunities. <i>Antioxidants and Redox Signaling</i> , <b>2014</b> , 20, 1324-63	8.4	102
38	Metagenomic analysis of Surti buffalo ( <i>Bubalus bubalis</i> ) rumen: a preliminary study. <i>Molecular Biology Reports</i> , <b>2012</b> , 39, 4841-8	2.8	50
37	Prion protein functions as a ferrireductase partner for ZIP14 and DMT1. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 84, 322-330	7.8	45
36	DNA methylation in demyelinated multiple sclerosis hippocampus. <i>Scientific Reports</i> , <b>2017</b> , 7, 8696	4.9	36
35	Iron in neurodegenerative disorders of protein misfolding: a case of prion disorders and Parkinson's disease. <i>Antioxidants and Redox Signaling</i> , <b>2014</b> , 21, 471-84	8.4	33
34	Alpha-synuclein modulates retinal iron homeostasis by facilitating the uptake of transferrin-bound iron: Implications for visual manifestations of Parkinson's disease. <i>Free Radical Biology and Medicine</i> , <b>2016</b> , 97, 292-306	7.8	32
33	Bile acid metabolism is altered in multiple sclerosis and supplementation ameliorates neuroinflammation. <i>Journal of Clinical Investigation</i> , <b>2020</b> , 130, 3467-3482	15.9	30
32	Methanogen diversity in the rumen of Indian Surti buffalo ( <i>Bubalus bubalis</i> ), assessed by 16S rDNA analysis. <i>Research in Veterinary Science</i> , <b>2012</b> , 92, 451-5	2.5	28
31	Prion protein promotes kidney iron uptake via its ferrireductase activity. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 5512-22	5.4	26
30	Oligodendrocyte Intrinsic miR-27a Controls Myelination and Remyelination. <i>Cell Reports</i> , <b>2019</b> , 29, 904-910.e9	10.69	22
29	Study of rumen metagenome community using qPCR under different diets. <i>Meta Gene</i> , <b>2014</b> , 2, 191-9	0.7	22
28	Myostatin gene silencing by RNA interference in chicken embryo fibroblast cells. <i>Journal of Biotechnology</i> , <b>2012</b> , 160, 140-5	3.7	18
27	Short hairpin RNA-induced myostatin gene silencing in caprine myoblast cells in vitro. <i>Applied Biochemistry and Biotechnology</i> , <b>2013</b> , 169, 688-94	3.2	16
26	Expression of disease-related miRNAs in white-matter lesions of progressive multiple sclerosis brains. <i>Annals of Clinical and Translational Neurology</i> , <b>2019</b> , 6, 854-862	5.3	15
25	A modified enrichment protocol for adult caprine skeletal muscle stem cell. <i>Cytotechnology</i> , <b>2010</b> , 62, 483-8	2.2	15
24	Transcriptomic dissection of myogenic differentiation signature in caprine by RNA-Seq. <i>Mechanisms of Development</i> , <b>2014</b> , 132, 79-92	1.7	14
23	Identification of novel transcripts deregulated in buccal cancer by RNA-seq. <i>Gene</i> , <b>2012</b> , 507, 152-8	3.8	14

22	Transport of Non-Transferrin Bound Iron to the Brain: Implications for Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , <b>2017</b> , 58, 1109-1119	4.3	12
21	Myostatin knockdown and its effect on myogenic gene expression program in stably transfected goat myoblasts. <i>In Vitro Cellular and Developmental Biology - Animal</i> , <b>2014</b> , 50, 587-96	2.6	11
20	Proteomic Approaches to Decipher Mechanisms Underlying Pathogenesis in Multiple Sclerosis Patients. <i>Proteomics</i> , <b>2019</b> , 19, e1800335	4.8	9
19	A preliminary sketch of horn cancer transcriptome in Indian zebu cattle. <i>Gene</i> , <b>2012</b> , 493, 124-31	3.8	9
18	In vitro silencing of myostatin gene by shRNAs in chicken embryonic myoblast cells. <i>Biotechnology Progress</i> , <b>2013</b> , 29, 425-31	2.8	9
17	Dasytricha dominance in Surti buffalo rumen revealed by 18S rRNA sequences and real-time PCR assay. <i>Current Microbiology</i> , <b>2011</b> , 63, 281-8	2.4	9
16	Methanogenic Diversity Studies within the Rumen of Surti buffaloes Based on Methyl Coenzyme M Reductase A (mcrA) Genes Point to Methanobacteriales. <i>Polish Journal of Microbiology</i> , <b>2010</b> , 59, 175-178	1.8	9
15	The landscape of alternative splicing in buccal mucosa squamous cell carcinoma. <i>Oral Oncology</i> , <b>2013</b> , 49, 604-10	4.4	8
14	The prion-ZIP connection: From cousins to partners in iron uptake. <i>Prion</i> , <b>2015</b> , 9, 420-8	2.3	8
13	In vitro expression profiling of myostatin, follistatin, decorin and muscle-specific transcription factors in adult caprine contractile myotubes. <i>Journal of Muscle Research and Cell Motility</i> , <b>2011</b> , 32, 23-30	3.5	8
12	CK2 inhibition confers functional protection to young and aging axons against ischemia by differentially regulating the CDK5 and AKT signaling pathways. <i>Neurobiology of Disease</i> , <b>2019</b> , 126, 47-61	7.5	7
11	Identification of novel splice variants in horn cancer by RNA-Seq analysis in Zebu cattle. <i>Genomics</i> , <b>2013</b> , 101, 57-63	4.3	6
10	Identifying miRNAs in multiple sclerosis gray matter lesions that correlate with atrophy measures. <i>Annals of Clinical and Translational Neurology</i> , <b>2021</b> , 8, 1279-1291	5.3	6
9	Prion Protein-Hemin Interaction Upregulates Hemoglobin Synthesis: Implications for Cerebral Hemorrhage and Sporadic Creutzfeldt-Jakob Disease. <i>Journal of Alzheimer's Disease</i> , <b>2016</b> , 51, 107-21	4.3	6
8	Use of Real-Time PCR Technique in Determination of Major Fibrolytic and non Fibrolytic Bacteria Present in Indian Surti Buffaloes ( <i>Bubalus bubalis</i> ). <i>Polish Journal of Microbiology</i> , <b>2013</b> , 62, 195-200	1.8	4
7	Cytokine expression pattern in milk somatic cells of subclinical mastitis-affected cattle analyzed by real time PCR. <i>Korean Journal of Veterinary Research</i> , <b>2012</b> , 52, 231-238	0.2	4
6	Goat activin receptor type IIB knockdown by muscle specific promoter driven artificial microRNAs. <i>Journal of Biotechnology</i> , <b>2014</b> , 187, 87-97	3.7	2
5	Assessment of goat activin receptor type IIB knockdown by short hairpin RNAs in vitro. <i>Journal of Receptor and Signal Transduction Research</i> , <b>2014</b> , 34, 506-12	2.6	2

4	Heparanome-Mediated Rescue of Oligodendrocyte Progenitor Quiescence following Inflammatory Demyelination. <i>Journal of Neuroscience</i> , <b>2021</b> , 41, 2245-2263	6.6	2
3	H19 gene methylation study in Indian buffalo ( <i>Bubalus bubalis</i> ). <i>Veterinary Research Communications</i> , <b>2013</b> , 37, 29-35	2.9	1
2	Comparative Proteomic Profiling Identifies Reciprocal Expression of Mitochondrial Proteins Between White and Gray Matter Lesions From Multiple Sclerosis Brains.. <i>Frontiers in Neurology</i> , <b>2021</b> , 12, 779003	4.1	0
1	Somatotropin-mediated gene expression profiling of differentially displayed ESTs during lactation in Indian buffalo ( <i>Bubalus bubalis</i> ). <i>Journal of Dairy Research</i> , <b>2011</b> , 78, 326-34	1.6	