

Suresh K Tikoo

List of Publications by Year in descending order

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95
papers

2,282
citations

270111

25
h-index

274796

44
g-index

95
all docs

95
docs citations

95
times ranked

2195
citing authors

#	ARTICLE	IF	CITATIONS
1	Virulence of Emerging Arthrotropic Avian Reoviruses Correlates With Their Ability to Activate and Traffic Interferon- β Producing Cytotoxic CD8+ T Cells Into Gastrocnemius Tendon. <i>Frontiers in Microbiology</i> , 2022, 13, 869164.	1.5	1
2	Comparison of Therapeutic Antibiotics, Probiotics, and Synthetic CpG-ODNs for Protective Efficacy Against <i>Escherichia coli</i> Lethal Infection and Impact on the Immune System in Neonatal Broiler Chickens. <i>Avian Diseases</i> , 2022, 66, .	0.4	1
3	Adenovirus Core Proteins: Structure and Function. <i>Viruses</i> , 2021, 13, 388.	1.5	38
4	CpG-ODN induced antimicrobial immunity in neonatal chicks involves a substantial shift in serum metabolic profiles. <i>Scientific Reports</i> , 2021, 11, 9028.	1.6	3
5	Adenovirus Vectors. , 2021, , 53-70.		0
6	Bovine Adenovirus-3 Tropism for Bovine Leukocyte Sub-Populations. <i>Viruses</i> , 2020, 12, 1431.	1.5	0
7	CpG-ODN Induces a Dose-Dependent Enrichment of Immunological Niches in the Spleen and Lungs of Neonatal Chicks That Correlates with the Protective Immunity against <i>Escherichia coli</i> . <i>Journal of Immunology Research</i> , 2020, 2020, 1-15.	0.9	4
8	The dynamics of molecular evolution of emerging avian reoviruses through accumulation of point mutations and genetic re-assortment. <i>Virus Evolution</i> , 2020, 6, veaa025.	2.2	14
9	Regions of bovine adenovirus-3 IVa2 involved in nuclear/nucleolar localization and interaction with pV. <i>Virology</i> , 2020, 546, 25-37.	1.1	3
10	Mucosal delivery of CpG-ODN mimicking bacterial DNA via the intrapulmonary route induces systemic antimicrobial immune responses in neonatal chicks. <i>Scientific Reports</i> , 2020, 10, 5343.	1.6	11
11	Nuclear and Nucleolar Localization of Bovine Adenovirus-3 Protein V. <i>Frontiers in Microbiology</i> , 2020, 11, 579593.	1.5	2
12	US3 Kinase-Mediated Phosphorylation of Tegument Protein VP8 Plays a Critical Role in the Cellular Localization of VP8 and Its Effect on the Lipid Metabolism of Bovine Herpesvirus 1-Infected Cells. <i>Journal of Virology</i> , 2019, 93, .	1.5	7
13	Synthetic CpG-ODN rapidly enriches immune compartments in neonatal chicks to induce protective immunity against bacterial infections. <i>Scientific Reports</i> , 2019, 9, 341.	1.6	23
14	Bovine adenovirusâ€³ protein VIII associates with eukaryotic initiation factorâ€³6 during infection. <i>Cellular Microbiology</i> , 2018, 20, e12842.	1.1	3
15	Inactivated and live bivalent fowl adenovirus (FAdV8bâ€³ +â€³FAdV11) breeder vaccines provide broad-spectrum protection in chicks against inclusion body hepatitis (IBH). <i>Vaccine</i> , 2018, 36, 744-750.	1.7	12
16	Broad spectrum protection of broiler chickens against inclusion body hepatitis by immunizing their broiler breeder parents with a bivalent live fowl adenovirus vaccine. <i>Research in Veterinary Science</i> , 2018, 118, 262-269.	0.9	6
17	Generation of infectious clone of bovine adenovirus type I expressing a visible marker gene. <i>Journal of Virological Methods</i> , 2018, 261, 139-146.	1.0	4
18	Domains of bovine adenovirus-3 protein 22K involved in interacting with viral protein 52K and cellular importins β -5/ β -7. <i>Virology</i> , 2018, 522, 209-219.	1.1	3

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19	Porcine Adenovirus Type 3 E3 Encodes a Structural Protein Essential for Capsid Stability and Production of Infectious Progeny Virions. <i>Journal of Virology</i> , 2018, 92, .	1.5	2
20	Modified live infectious bursal disease virus (IBDV) vaccine delays infection of neonatal broiler chickens with variant IBDV compared to turkey herpesvirus (HVT)-IBDV vectored vaccine. <i>Vaccine</i> , 2017, 35, 882-888.	1.7	21
21	Immune responses to in ovo vaccine formulations containing inactivated fowl adenovirus 8b with poly[di(sodium carboxylatoethylphenoxy)]phosphazene (PCEP) and avian beta defensin as adjuvants in chickens. <i>Vaccine</i> , 2017, 35, 981-986.	1.7	20
22	CD40 agonist converting CTL exhaustion via the activation of the mTORC1 pathway enhances PD-1 antagonist action in rescuing exhausted CTLs in chronic infection. <i>Biochemical and Biophysical Research Communications</i> , 2017, 484, 662-667.	1.0	6
23	Immunogenicity and protective efficacy of virus-like particles and recombinant fiber proteins in broiler-breeder vaccination against fowl adenovirus (FAdV)-8b. <i>Vaccine</i> , 2017, 35, 2716-2722.	1.7	32
24	Proteolytic Cleavage of Bovine Adenovirus 3-Encoded pVIII. <i>Journal of Virology</i> , 2017, 91, .	1.5	6
25	Induction of PrP ^{Sc} -specific systemic and mucosal immune responses in white-tailed deer with an oral vaccine for chronic wasting disease. <i>Prion</i> , 2017, 11, 368-380.	0.9	13
26	Phenotypic, genotypic and antigenic characterization of emerging avian reoviruses isolated from clinical cases of arthritis in broilers in Saskatchewan, Canada. <i>Scientific Reports</i> , 2017, 7, 3565.	1.6	48
27	Intrapulmonary Delivery of CpG-ODN Microdroplets Provides Protection Against Escherichia coli Septicemia in Neonatal Broiler Chickens. <i>Avian Diseases</i> , 2017, 61, 503-511.	0.4	14
28	Bovine adenovirus type 3 virions cannot be rescued in vivo after full-length viral genome transfection in the absence of detectable polypeptide IX. <i>Journal of Veterinary Science</i> , 2017, 18, 217.	0.5	0
29	Bovine Adenovirus-3 pVIII Suppresses Cap-Dependent mRNA Translation Possibly by Interfering with the Recruitment of DDX3 and Translation Initiation Factors to the mRNA Cap. <i>Frontiers in Microbiology</i> , 2016, 7, 2119.	1.5	5
30	Circulating strains of variant infectious bursal disease virus may pose a challenge for antibiotic-free chicken farming in Canada. <i>Research in Veterinary Science</i> , 2016, 108, 54-59.	0.9	26
31	Investigation of the cause of geographic disparities in IDEXX ELISA sensitivity in serum samples from Mycobacterium bovis-infected cattle. <i>Scientific Reports</i> , 2016, 6, 22763.	1.6	20
32	DDX3 Interacts with Influenza A Virus NS1 and NP Proteins and Exerts Antiviral Function through Regulation of Stress Granule Formation. <i>Journal of Virology</i> , 2016, 90, 3661-3675.	1.5	64
33	Deletion of pV affects integrity of capsid causing defect in the infectivity of bovine adenovirus-3. <i>Journal of General Virology</i> , 2016, 97, 2657-2667.	1.3	5
34	Administration of Poly[di(sodium carboxylatoethylphenoxy)phosphazene] (PCEP) and Avian Beta Defensin as Adjuvants in Inactivated Inclusion Body Hepatitis Virus and its Hexon Protein-Based Experimental Vaccine Formulations in Chickens. <i>Avian Diseases</i> , 2015, 59, 518-524.	0.4	18
35	Proteomic analysis of purified turkey adenovirus 3 virions. <i>Veterinary Research</i> , 2015, 46, 79.	1.1	5
36	Bovine adenovirus-3 as a vaccine delivery vehicle. <i>Vaccine</i> , 2015, 33, 493-499.	1.7	10

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37	Leucine residues in conserved region of 33K protein of bovine adenovirus 3 are important for binding to major late promoter and activation of late gene expression. <i>Virology</i> , 2015, 483, 174-184.	1.1	2
38	Recombinant Bovine Adenovirus-3 Co-Expressing Bovine Respiratory Syncytial Virus Glycoprotein G and Truncated Glycoprotein gD of Bovine Herpesvirus-1 Induce Immune Responses in Cotton Rats. <i>Molecular Biotechnology</i> , 2015, 57, 58-64.	1.3	8
39	Protection of Neonatal Broiler Chickens Following Delivery of Oligodeoxynucleotides Containing CpG Motifs (CpG-ODN) Formulated with Carbon Nanotubes or Liposomes. <i>Avian Diseases</i> , 2015, 59, 31-37.	0.4	24
40	A lumpy skin disease virus deficient of an IL-10 gene homologue provides protective immunity against virulent capripoxvirus challenge in sheep and goats. <i>Antiviral Research</i> , 2015, 123, 39-49.	1.9	33
41	Porcine retinal cell line VIDO R1 and <i>Chlamydia suis</i> to modelize ocular chlamydiosis. <i>Veterinary Immunology and Immunopathology</i> , 2015, 166, 95-107.	0.5	9
42	Cleavage of bovine adenovirus type 3 non-structural 100K protein by protease is required for nuclear localization in infected cells but is not essential for virus replication. <i>Journal of General Virology</i> , 2015, 96, 2749-2763.	1.3	12
43	A Novel and Simple Method for Rapid Generation of Recombinant Porcine Adenoviral Vectors for Transgene Expression. <i>PLoS ONE</i> , 2015, 10, e0127958.	1.1	2
44	Peste des Petits Ruminants Virus Tissue Tropism and Pathogenesis in Sheep and Goats following Experimental Infection. <i>PLoS ONE</i> , 2014, 9, e87145.	1.1	78
45	Respiratory Diseases of Small Ruminants. <i>Veterinary Medicine International</i> , 2014, 2014, 1-2.	0.6	9
46	Bovine adenovirus 3 core protein precursor pVII localizes to mitochondria, and modulates ATP synthesis, mitochondrial Ca ²⁺ and mitochondrial membrane potential. <i>Journal of General Virology</i> , 2014, 95, 442-452.	1.3	8
47	Mucosal immunization of calves with recombinant bovine adenovirus-3 coexpressing truncated form of bovine herpesvirus-1 gD and bovine IL-6. <i>Vaccine</i> , 2014, 32, 3300-3306.	1.7	11
48	Effect of bovine adenovirus 3 on mitochondria. <i>Veterinary Research</i> , 2014, 45, 45.	1.1	7
49	CpG-ODNs induced changes in cytokine/chemokines genes expression associated with suppression of infectious bronchitis virus replication in chicken lungs. <i>Veterinary Immunology and Immunopathology</i> , 2014, 160, 209-217.	0.5	30
50	Conserved regions of bovine adenovirus-3 pVIII contain functional domains involved in nuclear localization and packaging in mature infectious virions. <i>Journal of General Virology</i> , 2014, 95, 1743-1754.	1.3	12
51	Conserved Arginines of Bovine Adenovirus-3 33K Protein Are Important for Transportin-3 Mediated Transport and Virus Replication. <i>PLoS ONE</i> , 2014, 9, e101216.	1.1	9
52	Capripoxvirus-vectored vaccines against livestock diseases in Africa. <i>Antiviral Research</i> , 2013, 98, 217-227.	1.9	33
53	Viruses as Modulators of Mitochondrial Functions. <i>Advances in Virology</i> , 2013, 2013, 1-17.	0.5	111
54	Milk-derived antimicrobial peptides to protect against Neonatal Diarrheal Disease: An alternative to antibiotics. <i>Procedia in Vaccinology</i> , 2012, 6, 21-32.	0.4	7

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55	Pathotypic and Molecular Characterization of a Fowl Adenovirus Associated with Inclusion Body Hepatitis in Saskatchewan Chickens. <i>Avian Diseases</i> , 2012, 56, 73-81.	0.4	53
56	Mapping of nuclear import signal and importin β binding regions of 52K protein of bovine adenovirus-3. <i>Virology</i> , 2012, 432, 63-72.	1.1	14
57	Efficient replication and generation of recombinant bovine adenovirus β in nonbovine cotton rat lung cells expressing λ Scel endonuclease. <i>Journal of Gene Medicine</i> , 2010, 12, 840-847.	1.4	25
58	A Porcine Adenovirus with Low Human Seroprevalence Is a Promising Alternative Vaccine Vector to Human Adenovirus 5 in an H5N1 Virus Disease Model. <i>PLoS ONE</i> , 2010, 5, e15301.	1.1	25
59	Role of Hsp90 in CpG ODN mediated immunostimulation in avian macrophages. <i>Molecular Immunology</i> , 2010, 47, 1337-1346.	1.0	12
60	Proteomic Analysis of Bovine Nucleolus. <i>Genomics, Proteomics and Bioinformatics</i> , 2010, 8, 145-158.	3.0	3
61	CpG Oligodeoxynucleotides Activate Innate Immune Response that Suppresses Infectious Bronchitis Virus Replication in Chicken Embryos. <i>Avian Diseases</i> , 2009, 53, 261-267.	0.4	54
62	Interaction of bovine adenovirus-3 33K protein with other viral proteins. <i>Virology</i> , 2008, 381, 29-35.	1.1	15
63	Oligodeoxynucleotides containing CpG motifs (CpG-ODN) predominantly induce Th1-type immune response in neonatal chicks. <i>Developmental and Comparative Immunology</i> , 2008, 32, 1041-1049.	1.0	59
64	Influenza A virus NS1 protein activates the phosphatidylinositol 3-kinase (PI3K)/Akt pathway by direct interaction with the p85 subunit of PI3K. <i>Journal of General Virology</i> , 2007, 88, 13-18.	1.3	160
65	Effect of the phosphatidylinositol 3-kinase/Akt pathway on influenza A virus propagation. <i>Journal of General Virology</i> , 2007, 88, 942-950.	1.3	146
66	Bovine adenovirus-3 E1A coding region contain cis-acting DNA packaging motifs. <i>Virus Research</i> , 2007, 130, 315-320.	1.1	8
67	293T cells expressing simian virus 40 T antigen are semi-permissive to bovine adenovirus type 3 infection. <i>Journal of General Virology</i> , 2006, 87, 817-821.	1.3	6
68	Passively acquired membrane proteins alter the functional capacity of bovine polymorphonuclear cells. <i>Journal of Leukocyte Biology</i> , 2006, 80, 481-491.	1.5	24
69	Mucosal delivery of vaccines in domestic animals. <i>Veterinary Research</i> , 2006, 37, 487-510.	1.1	71
70	Transcriptional analysis of avian embryonic tissues following infection with avian infectious bronchitis virus. <i>Virus Research</i> , 2005, 110, 41-55.	1.1	32
71	Evaluation of promoters for foreign gene expression in the E3 region of bovine adenovirus type-3. <i>Virus Research</i> , 2005, 110, 169-176.	1.1	3
72	Role of Bovine Adenovirus-3 33K protein in viral replication. <i>Virology</i> , 2004, 323, 59-69.	1.1	32

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73	Analysis of early region 4 of porcine adenovirus type 3. <i>Virus Research</i> , 2004, 104, 181-190.	1.1	4
74	Characterization of Bovine Adenovirus Type 3 E1 Proteins and Isolation of E1-Expressing Cell Lines. <i>Virology</i> , 2002, 295, 108-118.	1.1	30
75	Vaccination of pigs with a recombinant porcine adenovirus expressing the gD gene from pseudorabies virus. <i>Vaccine</i> , 2001, 19, 3752-3758.	1.7	21
76	Characterization of DNA Binding Protein of Porcine Adenovirus Type 3. <i>Intervirology</i> , 2001, 44, 350-354.	1.2	7
77	121R Protein from the E3 Region of Bovine Adenovirus-3 Inhibits Cytolysis of Mouse Cells by Human Tumor Necrosis Factor. <i>Intervirology</i> , 2001, 44, 29-35.	1.2	1
78	Bovine Adenovirus Type 3 E1Bsmall Protein Is Essential for Growth in Bovine Fibroblast Cells. <i>Virology</i> , 2001, 288, 264-274.	1.1	9
79	Mutational Analysis of Early Region 4 of Bovine Adenovirus Type 3. <i>Virology</i> , 2001, 290, 153-163.	1.1	9
80	Analysis of Early Region 1 of Porcine Adenovirus Type 3. <i>Virology</i> , 2001, 291, 68-76.	1.1	15
81	Determination of bovine adenovirus-3 titer based on immunohistochemical detection of DNA binding protein in infected cells. <i>Journal of Virological Methods</i> , 2001, 94, 147-153.	1.0	13
82	Recombinant Bovine Adenovirus Type 3 Expressing Bovine Viral Diarrhea Virus Glycoprotein E2 Induces an Immune Response in Cotton Rats. <i>Virology</i> , 2000, 278, 234-243.	1.1	41
83	The immunogenicity and efficacy of replication-defective and replication-competent bovine adenovirus-3 expressing bovine herpesvirus-1 glycoprotein gD in cattle. <i>Veterinary Immunology and Immunopathology</i> , 2000, 76, 257-268.	0.5	32
84	Optimization of bovine coronavirus hemagglutinin-estrase glycoprotein expression in E3 deleted bovine adenovirus-3. <i>Virus Research</i> , 2000, 70, 65-73.	1.1	8
85	Porcine adenovirus-3 as a helper-dependent expression vector. <i>Journal of General Virology</i> , 1999, 80, 2909-2916.	1.3	46
86	Transcription Mapping and Characterization of 284R and 121R Proteins Produced from Early Region 3 of Bovine Adenovirus Type 3. <i>Virology</i> , 1999, 256, 351-359.	1.1	22
87	Transcription Map and Expression of Bovine Herpesvirus-1 Glycoprotein D in Early Region 4 of Bovine Adenovirus-3. <i>Virology</i> , 1999, 261, 143-152.	1.1	18
88	Genetic organization and DNA sequence of early region 4 of bovine adenovirus type 3. <i>Virus Genes</i> , 1998, 17, 99-100.	0.7	11
89	Characterization of bovine adenovirus type 3 early region 2B. <i>Virus Genes</i> , 1998, 16, 313-316.	0.7	10
90	Construction and Characterization of E3-Deleted Bovine Adenovirus Type 3 Expressing Full-Length and Truncated Form of Bovine Herpesvirus Type 1 Glycoprotein gD. <i>Virology</i> , 1998, 250, 220-229.	1.1	56

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91	Functional Characterization of Bovine Parainfluenza Virus Type 3 Hemagglutinin-Neuraminidase and Fusion Proteins Expressed by Adenovirus Recombinants. Intervirology, 1998, 41, 253-260.	1.2	4
92	Pathogenesis and Immunogenicity of Bovine Adenovirus Type 3 in Cotton Rats (<i>Sigmodon hispidus</i>). Virology, 1995, 213, 131-139.	1.1	35

93