

Muhammad Munir

List of Publications by Year in descending order

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Version: 2024-02-01

101
papers

2,376
citations

236925

25
h-index

265206

42
g-index

103
all docs

103
docs citations

103
times ranked

2655
citing authors

#	ARTICLE	IF	CITATIONS
1	Updated unified phylogenetic classification system and revised nomenclature for Newcastle disease virus. <i>Infection, Genetics and Evolution</i> , 2019, 74, 103917.	2.3	227
2	Avian Interferons and Their Antiviral Effectors. <i>Frontiers in Immunology</i> , 2017, 8, 49.	4.8	126
3	The multiple faces of protein kinase R in antiviral defense. <i>Virulence</i> , 2013, 4, 85-89.	4.4	78
4	Molecular Evolution of Peste des Petits Ruminants Virus. <i>Emerging Infectious Diseases</i> , 2014, 20, 2023-2033.	4.3	78
5	Biological characterization and phylogenetic analysis of a novel genetic group of Newcastle disease virus isolated from outbreaks in commercial poultry and from backyard poultry flocks in Pakistan. <i>Infection, Genetics and Evolution</i> , 2012, 12, 1010-1019.	2.3	70
6	Structural and functional insights into non-structural proteins of coronaviruses. <i>Microbial Pathogenesis</i> , 2021, 150, 104641.	2.9	69
7	Guanylate-Binding Protein 1, an Interferon-Induced GTPase, Exerts an Antiviral Activity against Classical Swine Fever Virus Depending on Its GTPase Activity. <i>Journal of Virology</i> , 2016, 90, 4412-4426.	3.4	68
8	TRIM Proteins: Another Class of Viral Victims. <i>Science Signaling</i> , 2010, 3, jc2.	3.6	62
9	Genomic and biological characterization of a velogenic Newcastle disease virus isolated from a healthy backyard poultry flock in 2010. <i>Virology Journal</i> , 2012, 9, 46.	3.4	51
10	Evolutionary dynamics of bovine coronaviruses: natural selection pattern of the spike gene implies adaptive evolution of the strains. <i>Journal of General Virology</i> , 2013, 94, 2036-2049.	2.9	50
11	Genetic diversity of Newcastle disease virus in Pakistan: a countrywide perspective. <i>Virology Journal</i> , 2013, 10, 170.	3.4	45
12	Chicken Interferon-induced Protein with Tetratricopeptide Repeats 5 Antagonizes Replication of RNA Viruses. <i>Scientific Reports</i> , 2018, 8, 6794.	3.3	43
13	RING-Domain E3 Ligase-Mediated Host-Virus Interactions: Orchestrating Immune Responses by the Host and Antagonizing Immune Defense by Viruses. <i>Frontiers in Immunology</i> , 2018, 9, 1083.	4.8	42
14	Hemoglobin Subunit Beta Interacts with the Capsid Protein and Antagonizes the Growth of Classical Swine Fever Virus. <i>Journal of Virology</i> , 2013, 87, 5707-5717.	3.4	40
15	Artificial Intelligence-Assisted Loop Mediated Isothermal Amplification (AI-LAMP) for Rapid Detection of SARS-CoV-2. <i>Viruses</i> , 2020, 12, 972.	3.3	40
16	A Comprehensive Review on Equine Influenza Virus: Etiology, Epidemiology, Pathobiology, Advances in Developing Diagnostics, Vaccines, and Control Strategies. <i>Frontiers in Microbiology</i> , 2018, 9, 1941.	3.5	39
17	Immunogenicity and protective efficacy of an intranasal live-attenuated vaccine against SARS-CoV-2. <i>IScience</i> , 2021, 24, 102941.	4.1	39
18	Induction of innate immunity and its perturbation by influenza viruses. <i>Protein and Cell</i> , 2015, 6, 712-721.	11.0	36

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19	Complete Genome Sequences of Lineage III Peste des Petits Ruminants Viruses from the Middle East and East Africa. <i>Genome Announcements</i> , 2014, 2, .	0.8	34
20	Oxidative Stress in Poultry: Lessons from the Viral Infections. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-14.	4.0	33
21	Genetic Characterization of Peste des Petits Ruminants Virus, Sierra Leone. <i>Emerging Infectious Diseases</i> , 2012, 18, 193-195.	4.3	33
22	Chickens Expressing IFIT5 Ameliorate Clinical Outcome and Pathology of Highly Pathogenic Avian Influenza and Velogenic Newcastle Disease Viruses. <i>Frontiers in Immunology</i> , 2018, 9, 2025.	4.8	32
23	Complete genome characterisation of a Newcastle disease virus isolated during an outbreak in Sweden in 1997. <i>Virus Genes</i> , 2010, 41, 165-173.	1.6	29
24	Chicken IFN Kappa: A Novel Cytokine with Antiviral Activities. <i>Scientific Reports</i> , 2017, 7, 2719.	3.3	29
25	Supplementation of Vitamin E Protects Chickens from Newcastle Disease Virus-Mediated Exacerbation of Intestinal Oxidative Stress and Tissue Damage. <i>Cellular Physiology and Biochemistry</i> , 2018, 47, 1655-1666.	1.6	28
26	Sequencing and analysis of the complete genome of Newcastle disease virus isolated from a commercial poultry farm in 2010. <i>Archives of Virology</i> , 2012, 157, 765-768.	2.1	26
27	Evolutionary insights into the fusion protein of Newcastle disease virus isolated from vaccinated chickens in 2016 in Egypt. <i>Archives of Virology</i> , 2017, 162, 3069-3079.	2.1	26
28	Fundamental Characteristics of Bat Interferon Systems. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 527921.	3.9	26
29	Complete Genome Sequencing of a Velogenic Viscerotropic Avian Paramyxovirus 1 Isolated from Pheasants (<i>Pucrasia macrolopha</i>) in Lahore, Pakistan. <i>Journal of Virology</i> , 2012, 86, 13828-13829.	3.4	24
30	Complete Genome Sequence of a Velogenic Neurotropic Avian Paramyxovirus 1 Isolated from Peacocks (<i>Pavo cristatus</i>) in a Wildlife Park in Pakistan. <i>Journal of Virology</i> , 2012, 86, 13113-13114.	3.4	24
31	Molecular Biology and Pathogenesis of Peste des Petits Ruminants Virus. <i>Springer Briefs in Animal Sciences</i> , 2013, , .	0.1	24
32	Detection of Inter-Lineage Natural Recombination in Avian Paramyxovirus Serotype 1 Using Simplified Deep Sequencing Platform. <i>Frontiers in Microbiology</i> , 2016, 7, 1907.	3.5	24
33	Reverse spillover of avian viral vaccine strains from domesticated poultry to wild birds. <i>Vaccine</i> , 2017, 35, 3523-3527.	3.8	24
34	Human Hemoglobin Subunit Beta Functions as a Pleiotropic Regulator of RIG-I/MDA5-Mediated Antiviral Innate Immune Responses. <i>Journal of Virology</i> , 2019, 93, .	3.4	24
35	Complete Genome Analysis of an Avian Paramyxovirus Type 1 Strain Isolated in 1994 from an Asymptomatic Black-Headed Gull (<i>Larus ridibundus</i>) in Southern Sweden. <i>Avian Diseases</i> , 2010, 54, 923-930.	1.0	23
36	Evaluation of Risk Factors for Peste des Petits Ruminants Virus in Sheep and Goats at the Wildlife-Livestock Interface in Punjab Province, Pakistan. <i>BioMed Research International</i> , 2016, 2016, 1-6.	1.9	23

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37	Mitogen-Activated Protein Kinase Kinase 2, a Novel E2-Interacting Protein, Promotes the Growth of Classical Swine Fever Virus via Attenuation of the JAK-STAT Signaling Pathway. <i>Journal of Virology</i> , 2016, 90, 10271-10283.	3.4	23
38	Temperature, humidity and outdoor air quality indicators influence COVID-19 spread rate and mortality in major cities of Saudi Arabia. <i>Environmental Research</i> , 2022, 204, 112071.	7.5	23
39	Whole genome sequencing and characterization of a virulent Newcastle disease virus isolated from an outbreak in Sweden. <i>Virus Genes</i> , 2011, 43, 261-271.	1.6	22
40	Simultaneous Deletion of Virulence Factors and Insertion of Antigens into the Infectious Laryngotracheitis Virus Using NHEJ-CRISPR/Cas9 and Cre-Lox System for Construction of a Stable Vaccine Vector. <i>Vaccines</i> , 2019, 7, 207.	4.4	22
41	Comparative evolutionary and phylogenomic analysis of Avian avulaviruses 1â€²0. <i>Molecular Phylogenetics and Evolution</i> , 2018, 127, 931-951.	2.7	21
42	The Application of NHEJ-CRISPR/Cas9 and Cre-Lox System in the Generation of Bivalent Duck Enteritis Virus Vaccine against Avian Influenza Virus. <i>Viruses</i> , 2018, 10, 81.	3.3	21
43	MERTK is a host factor that promotes classical swine fever virus entry and antagonizes innate immune response in PK-15 cells. <i>Emerging Microbes and Infections</i> , 2020, 9, 571-581.	6.5	21
44	A Scalable Topical Vectored Vaccine Candidate against SARS-CoV-2. <i>Vaccines</i> , 2020, 8, 472.	4.4	20
45	Evolutionary Analysis of Infectious Bronchitis Virus Reveals Marked Genetic Diversity and Recombination Events. <i>Genes</i> , 2020, 11, 605.	2.4	20
46	Alleles A and B of non-structural protein 1 of avian influenza A viruses differentially inhibit beta interferon production in human and mink lung cells. <i>Journal of General Virology</i> , 2011, 92, 2111-2121.	2.9	19
47	Genetic analysis of Newcastle disease virus from Punjab, Pakistan. <i>Virus Genes</i> , 2013, 46, 309-315.	1.6	19
48	Pathobiology of Avian avulavirus 1: special focus on waterfowl. <i>Veterinary Research</i> , 2018, 49, 94.	3.0	19
49	Potential of genotype VII Newcastle disease viruses to cause differential infections in chickens and ducks. <i>Transboundary and Emerging Diseases</i> , 2018, 65, 1851-1862.	3.0	19
50	Vitamin E Supplementation Ameliorates Newcastle Disease Virus-Induced Oxidative Stress and Alleviates Tissue Damage in the Brains of Chickens. <i>Viruses</i> , 2018, 10, 173.	3.3	19
51	Differences in the ability to suppress interferon β production between allele A and allele B NS1 proteins from H10 influenza A viruses. <i>Virology Journal</i> , 2010, 7, 376.	3.4	17
52	Genetic analysis of peste des petits ruminants virus from Pakistan. <i>BMC Veterinary Research</i> , 2013, 9, 60.	1.9	17
53	The X proteins of bornaviruses interfere with type I interferon signalling. <i>Journal of General Virology</i> , 2013, 94, 263-269.	2.9	16
54	Pathogenic Characterization and Full Length Genome Sequence of a Reassortant Infectious Bursal Disease Virus Newly Isolated in Pakistan. <i>Virologica Sinica</i> , 2019, 34, 102-105.	3.0	16

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55	Evolutionary conservation of the DRACH signatures of potential N6-methyladenosine (m6A) sites among influenza A viruses. <i>Scientific Reports</i> , 2021, 11, 4548.	3.3	16
56	Non-structural protein 1 of avian influenza A viruses differentially inhibit NF- κ B promoter activation. <i>Virology Journal</i> , 2011, 8, 383.	3.4	15
57	Emergence and genetic analysis of variant pathogenic 4/91 (serotype 793/B) infectious bronchitis virus in Egypt during 2019. <i>Virus Genes</i> , 2019, 55, 720-725.	1.6	14
58	Genetic Diversity and Phylodynamics of Avian Coronaviruses in Egyptian Wild Birds. <i>Viruses</i> , 2019, 11, 57.	3.3	14
59	A comprehensive global perspective on phylogenomics and evolutionary dynamics of Small ruminant morbillivirus. <i>Scientific Reports</i> , 2020, 10, 17.	3.3	14
60	A comparative phylogenomic analysis of peste des petits ruminants virus isolated from wild and unusual hosts. <i>Molecular Biology Reports</i> , 2019, 46, 5587-5593.	2.3	13
61	Application of CRISPR/Cas9 in Understanding Avian Viruses and Developing Poultry Vaccines. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 581504.	3.9	13
62	Infectivity of wild bird-origin avian paramyxovirus serotype 1 and vaccine effectiveness in chickens. <i>Journal of General Virology</i> , 2016, 97, 3161-3173.	2.9	13
63	The non-structural (NS) gene segment of H9N2 influenza virus isolated from backyard poultry in Pakistan reveals strong genetic and functional similarities to the NS gene of highly pathogenic H5N1. <i>Virulence</i> , 2013, 4, 612-623.	4.4	12
64	Biological characterization of wild-bird-origin avian avulavirus 1 and efficacy of currently applied vaccines against potential infection in commercial poultry. <i>Archives of Virology</i> , 2018, 163, 2743-2755.	2.1	12
65	Genetic data from avian influenza and avian paramyxoviruses generated by the European network of excellence (EPIZONE) between 2006 and 2011â€”Review and recommendations for surveillance. <i>Veterinary Microbiology</i> , 2012, 154, 209-221.	1.9	11
66	Genomic and biological characterization of Newcastle disease viruses isolated from migratory mallards (<i>Anas platyrhynchos</i>). <i>Archives of Virology</i> , 2018, 163, 2179-2188.	2.1	11
67	The E2 glycoprotein is necessary but not sufficient for the adaptation of classical swine fever virus lapinized vaccine C-strain to the rabbit. <i>Virology</i> , 2018, 519, 197-206.	2.4	10
68	Dynamic Expression of Interferon Lambda Regulated Genes in Primary Fibroblasts and Immune Organs of the Chicken. <i>Genes</i> , 2019, 10, 145.	2.4	10
69	Structural and Virus Regulatory Insights Into Avian N6-Methyladenosine (m6A) Machinery. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 543.	3.7	9
70	Structural Insights Into m6A-Erasers: A Step Toward Understanding Molecule Specificity and Potential Antiviral Targeting. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 587108.	3.7	9
71	Potential Use of CRISPR/Cas13 Machinery in Understanding Virusâ€™Host Interaction. <i>Frontiers in Microbiology</i> , 2021, 12, 743580.	3.5	9
72	Molecular characterization of infectious bursal disease viruses from Pakistan. <i>Archives of Virology</i> , 2016, 161, 2001-2006.	2.1	8

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73	Transgenic Chicks Expressing Interferon-Inducible Transmembrane Protein 1 (IFITM1) Restrict Highly Pathogenic H5N1 Influenza Viruses. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8456.	4.1	8
74	Structural Bases of Zoonotic and Zooanthroponotic Transmission of SARS-CoV-2. <i>Viruses</i> , 2022, 14, 418.	3.3	8
75	Phylogenomics and Infectious Potential of Avian Avulaviruses Species-Type 1 Isolated from Healthy Green-Winged Teal (<i>Anas carolinensis</i>) from a Wetland Sanctuary of Indus River. <i>Avian Diseases</i> , 2018, 62, 404.	1.0	8
76	Biological and genotypic characterization of the Newcastle disease virus isolated from disease outbreaks in commercial poultry farms in northern Punjab, Pakistan. <i>Virology Reports</i> , 2014, 3-4, 30-39.	0.4	7
77	Genetic characterization of small ruminant morbillivirus from recently emerging wave of outbreaks in Pakistan. <i>Transboundary and Emerging Diseases</i> , 2018, 65, 2032-2038.	3.0	7
78	Comparative infectivity and transmissibility studies of wild-bird and chicken-origin highly pathogenic avian influenza viruses H5N8 in chickens. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2021, 74, 101594.	1.6	7
79	Double-Stranded RNA-Induced Activation of Activating Protein-1 Promoter Is Differentially Regulated by the Non-structural Protein 1 of Avian Influenza A Viruses. <i>Viral Immunology</i> , 2012, 25, 79-85.	1.3	6
80	Establishment of Stably Transfected Cells Constitutively Expressing the Full-Length and Truncated Antigenic Proteins of Two Genetically Distinct Mink Astroviruses. <i>PLoS ONE</i> , 2013, 8, e82978.	2.5	6
81	An Artificial Intelligence-Assisted Portable Low-Cost Device for the Rapid Detection of SARS-CoV-2. <i>Electronics (Switzerland)</i> , 2021, 10, 2065.	3.1	6
82	Isolation and characterization of low pathogenic H9N2 avian influenza A viruses from a healthy flock and its comparison to other H9N2 isolates. <i>Indian Journal of Virology: an Official Organ of Indian Virological Society</i> , 2013, 24, 342-348.	0.7	5
83	Mapping molecular gene signatures mediated by SARS-COV-2 and large-scale and genome-wide transcriptomics comparative analysis among respiratory viruses of medical importance. <i>Molecular and Cellular Probes</i> , 2022, 64, 101820.	2.1	5
84	Bioinformatics analysis of large-scale viral sequences. <i>Virulence</i> , 2013, 4, 97-106.	4.4	4
85	Isolation of buffalo poxvirus from clinical case and variations in the genetics of the B5R gene over fifty passages. <i>Virus Genes</i> , 2015, 51, 45-50.	1.6	4
86	Genome-Wide Classification of Type I, Type II and Type III Interferon-Stimulated Genes in Chicken Fibroblasts. <i>Vaccines</i> , 2019, 7, 160.	4.4	4
87	Oncolytic effect of Newcastle disease virus is attributed to interferon regulation in canine mammary cancer cell lines. <i>Veterinary and Comparative Oncology</i> , 2021, 19, 593-601.	1.8	4
88	Estimation of Evolutionary Dynamics and Selection Pressure in Coronaviruses. <i>Methods in Molecular Biology</i> , 2015, 1282, 41-48.	0.9	4
89	Replication and Virulence Determinants of Peste des Petits Ruminants Virus. <i>Springer Briefs in Animal Sciences</i> , 2013, , 23-32.	0.1	4
90	A comparative genomic and evolutionary analysis of circulating strains of Avian avulavirus 1 in Pakistan. <i>Molecular Genetics and Genomics</i> , 2019, 294, 1289-1309.	2.1	3

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91	Potential reverse spillover of infectious bursal disease virus at the interface of commercial poultry and wild birds. <i>Virus Genes</i> , 2020, 56, 705-711.	1.6	3
92	The Molecular Virology of Coronaviruses with Special Reference to SARS-CoV-2. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1352, 15-31.	1.6	3
93	Current Advances in Molecular Diagnosis and Vaccines for Peste des Petits Ruminants. , 2013, , 105-133.		2
94	Epidemiology and Distribution of Peste des Petits Ruminants. , 2013, , 69-104.		2
95	Structural and Evolutionary Insights Into the Binding of Host Receptors by the Rabies Virus Glycoprotein. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 736114.	3.9	2
96	Evaluation of transmission potential and pathobiological characteristics of mallard originated Avian orthoavulavirus 1 (sub-genotype VII.2) in commercial broilers. <i>Microbial Pathogenesis</i> , 2019, 137, 103785.	2.9	1
97	Duckling short beak and dwarfism syndrome virus infection activates host innate immune response involving both DNA and RNA sensors. <i>Microbial Pathogenesis</i> , 2020, 138, 103816.	2.9	1
98	VP2 virus-like particles elicit protective immunity against duckling short beak and dwarfism syndrome in ducks. <i>Transboundary and Emerging Diseases</i> , 2021, , .	3.0	1
99	Immunogenicity and efficacy of a bivalent vaccine against infectious bronchitis virus. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2021, 77, 101670.	1.6	1
100	Avian Orthoavulavirus Type-1 as Vaccine Vector against Respiratory Viral Pathogens in Animal and Human. <i>Vaccines</i> , 2022, 10, 259.	4.4	1
101	Development of CRISPR/Cas9-based Novel Vaccines against Poultry Viruses. <i>Access Microbiology</i> , 2022, 4, .	0.5	0