Abdul Rahman Omar

List of Publications by Year
in descending order

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Version: 2024-02-01

97 papers	1,784 citations	257101 24 h-index	329751 37 g-index
99 all docs	99 docs citations	99 times ranked	2185 citing authors

#	Article	IF	Citations
1	Progress and Challenges toward the Development of Vaccines against Avian Infectious Bronchitis. Journal of Immunology Research, 2015, 2015, 1-12.	0.9	107
2	Global distributions and strain diversity of avian infectious bronchitis virus: a review. Animal Health Research Reviews, 2017, 18, 70-83.	1.4	100
3	Diagnostic and Vaccination Approaches for Newcastle Disease Virus in Poultry: The Current and Emerging Perspectives. BioMed Research International, 2018, 2018, 1-18.	0.9	76
4	Kefir and Its Biological Activities. Foods, 2021, 10, 1210.	1.9	74
5	Mechanisms of Action and Efficacy of Statins against Influenza. BioMed Research International, 2014, 2014, 1-8.	0.9	72
6	Safety and Clinical Usage of Newcastle Disease Virus in Cancer Therapy. Journal of Biomedicine and Biotechnology, 2011, 2011, 1-13.	3.0	71
7	Characterisation of genotype VII Newcastle disease virus (NDV) isolated from NDV vaccinated chickens, and the efficacy of LaSota and recombinant genotype VII vaccines against challenge with velogenic NDV. Journal of Veterinary Science, 2015, 16, 447.	0.5	65
8	Pathogenesis and Diagnostic Approaches of Avian Infectious Bronchitis. Advances in Virology, 2016, 2016, 1-11.	0.5	65
9	Alteration in lymphocyte responses, cytokine and chemokine profiles in chickens infected with genotype VII and VIII velogenic Newcastle disease virus. Comparative Immunology, Microbiology and Infectious Diseases, 2014, 37, 11-21.	0.7	52
10	In vitro and in vivo mechanism of immunomodulatory and antiviral activity of Edible Bird's Nest (EBN) against influenza A virus (IAV) infection. Journal of Ethnopharmacology, 2016, 185, 327-340.	2.0	50
11	Differential modulation of immune response and cytokine profiles in the bursae and spleen of chickens infected with very virulent infectious bursal disease virus. BMC Veterinary Research, 2015, 11, 75.	0.7	42
12	Review of Dendritic Cells, Their Role in Clinical Immunology, and Distribution in Various Animal Species. International Journal of Molecular Sciences, 2021, 22, 8044.	1.8	40
13	Flavokawain B induced cytotoxicity in two breast cancer cell lines, MCF-7 and MDA-MB231 and inhibited the metastatic potential of MDA-MB231 via the regulation of several tyrosine kinases In vitro. BMC Complementary and Alternative Medicine, 2016, 16, 86.	3.7	35
14	Transcriptional profiling of feline infectious peritonitis virus infection in CRFK cells and in PBMCs from FIP diagnosed cats. Virology Journal, 2013, 10, 329.	1.4	31
15	Potential recombinant vaccine against influenza A virus based on M2e displayed on nodaviral capsid nanoparticles. International Journal of Nanomedicine, 2015, 10, 2751.	3.3	31
16	Characterization of Malaysian velogenic NDV strain AF2240-I genomic sequence: a comparative study. Virus Genes, 2013, 46, 431-440.	0.7	30
17	Development of Tat-Conjugated Dendrimer for Transdermal DNA Vaccine Delivery. Journal of Pharmacy and Pharmaceutical Sciences, 2016, 19, 325.	0.9	30
18	Serological diagnostic potential of recombinant outer membrane proteins (rOMPs) from Brucella melitensis in mouse model using indirect enzyme-linked immunosorbent assay. BMC Veterinary Research, 2015, 11, 275.	0.7	28

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19	In vitrocharacterization of chicken bone marrow-derived dendritic cells following infection with very virulent infectious bursal disease virus. Avian Pathology, 2015, 44, 452-462.	0.8	28
20	Induction of Humoral and Cell-Mediated Immune Responses by Hepatitis B Virus Epitope Displayed on the Virus-Like Particles of Prawn Nodavirus. Applied and Environmental Microbiology, 2015, 81, 882-889.	1.4	28
21	Sequence and phylogenetic analysis of Newcastle disease virus genotypes isolated in Malaysia between 2004 and 2005. Archives of Virology, 2010, 155, 63-70.	0.9	27
22	Induction of a robust immune response against avian influenza virus following transdermal inoculation with H5-DNA vaccine formulated in modified dendrimer-based delivery system in mouse model. International Journal of Nanomedicine, 2017, Volume 12, 8573-8585.	3.3	27
23	Genetic Diversity of Recent Infectious Bursal Disease Viruses Isolated From Vaccinated Poultry Flocks in Malaysia. Frontiers in Veterinary Science, 2021, 8, 643976.	0.9	27
24	Genotype Diversity of Newcastle Disease Virus in Nigeria: Disease Control Challenges and Future Outlook. Advances in Virology, 2018, 2018, 1-17.	0.5	26
25	Combinatorial Cytotoxic Effects of Damnacanthal and Doxorubicin against Human Breast Cancer MCF-7 Cells in Vitro. Molecules, 2016, 21, 1228.	1.7	25
26	Detection of Inter-Lineage Natural Recombination in Avian Paramyxovirus Serotype 1 Using Simplified Deep Sequencing Platform. Frontiers in Microbiology, 2016, 7, 1907.	1.5	24
27	Molecular detection and characterisation of feline morbillivirus in domestic cats in Malaysia. Veterinary Microbiology, 2019, 236, 108382.	0.8	23
28	Exploring the Prospects of Engineered Newcastle Disease Virus in Modern Vaccinology. Viruses, 2020, 12, 451.	1.5	23
29	Development of SYBR green I based one-step real-time RT-PCR assay for the detection and differentiation of very virulent and classical strains of infectious bursal disease virus. Journal of Virological Methods, 2009, 161, 271-279.	1.0	21
30	Clinical and Preclinical Studies of Fermented Foods and Their Effects on Alzheimerâ€™s Disease. Antioxidants, 2022, 11, 883.	2.2	21
31	The Critical Studies of Fucoxanthin Research Trends from 1928 to June 2021: A Bibliometric Review. Marine Drugs, 2021, 19, 606.	2.2	19
32	Hexon and fiber gene changes in an attenuated fowl adenovirus isolate from Malaysia in embryonated chicken eggs and its infectivity in chickens. Journal of Veterinary Science, 2018, 19, 759.	0.5	18
33	Evidence of West Nile virus infection in migratory and resident wild birds in west coast of peninsular Malaysia. One Health, 2020, 10, 100134.	1.5	18
34	Effects of Newcastle Disease Virus Infection on Chicken Intestinal Intraepithelial Natural Killer Cells. Frontiers in Immunology, 2018, 9, 1386.	2.2	17
35	In VitroEvaluation of Curcumin-Encapsulated Chitosan Nanoparticles against Feline Infectious Peritonitis Virus and Pharmacokinetics Study in Cats. BioMed Research International, 2020, 2020, 1-18.	0.9	17
36	Development of an Effective and Stable Genotype-Matched Live Attenuated Newcastle Disease Virus Vaccine Based on a Novel Naturally Recombinant Malaysian Isolate Using Reverse Genetics. Vaccines, 2020, 8, 270.	2.1	16

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37	Systemic antibody response to nano-size calcium phospate biocompatible adjuvant adsorbed HEV-71 killed vaccine. Clinical and Experimental Vaccine Research, 2015, 4, 88.	1.1	15
38	Comparative analysis of viral RNA and apoptotic cells in bursae following infection with infectious bursal disease virus. Comparative Immunology, Microbiology and Infectious Diseases, 2004, 27, 433-443.	0.7	14
39	Prediction and In Silico Identification of Novel B-Cells and T-Cells Epitopes in the S1-Spike Glycoprotein of M41 and CR88 (793/B) Infectious Bronchitis Virus Serotypes for Application in Peptide Vaccines. Advances in Bioinformatics, 2016, 2016, 1-5.	5.7	14
40	Preparation, characterization, and in ovo vaccination of dextran-spermine nanoparticle DNA vaccine coexpressing the fusion and hemagglutinin genes against Newcastle disease. International Journal of Nanomedicine, 2016, 11, 259.	3.3	14
41	Differential activation of intraepithelial lymphocyte-natural killer cells in chickens infected with very virulent and vaccine strains of infectious bursal disease virus. Developmental and Comparative Immunology, 2018, 87, 116-123.	1.0	14
42	An Influenza A Vaccine Based on the Extracellular Domain of Matrix 2 Protein Protects BALB/C Mice Against H1N1 and H3N2. Vaccines, 2019, 7, 91.	2.1	14
43	Development and immunogenic potentials of chitosan-saponin encapsulated DNA vaccine against avian infectious bronchitis coronavirus. Microbial Pathogenesis, 2020, 149, 104560.	1.3	14
44	Comparative Pathogenicity of Malaysian QX-like and Variant Infectious Bronchitis Virus Strains in Chickens at Different Age of Exposure to the Viruses. Journal of Comparative Pathology, 2018, 161, 43-54.	0.1	13
45	Velogenic newcastle disease virus tissue tropism and pathogenesis of infection in chickens by application of in situ PCR, immunoperoxase staining and HE staining. Microbial Pathogenesis, 2019, 129, 213-223.	1.3	11
46	Identification of Reference Genes in Chicken Intraepithelial Lymphocyte Natural Killer Cells Infected with Very-virulent Infectious Bursal Disease Virus. Scientific Reports, 2020, 10, 8561.	1.6	11
47	Apoptosis transcriptional mechanism of feline infectious peritonitis virus infected cells. Apoptosis: an International Journal on Programmed Cell Death, 2015, 20, 1457-1470.	2.2	10
48	Improved immunogenicity of Newcastle disease virus inactivated vaccine following DNA vaccination using Newcastle disease virus hemagglutinin-neuraminidase and fusion protein genes. Journal of Veterinary Science, 2016, 17, 21.	0.5	10
49	Adaptation and Molecular Characterization of Two Malaysian Very Virulent Infectious Bursal Disease Virus Isolates Adapted in BGM-70 Cell Line. Advances in Virology, 2017, 2017, 1-19.	0.5	10
50	Bursal immunopathology responses of specific-pathogen-free chickens and red jungle fowl infected with very virulent infectious bursal disease virus. Archives of Virology, 2018, 163, 2085-2097.	0.9	10
51	Bursal transcriptome profiling of different inbred chicken lines reveals key differentially expressed genes at 3 days post-infection with very virulent infectious bursal disease virus. Journal of General Virology, 2018, 99, 21-35.	1.3	10
52	Predisposition to insulin resistance and obesity due to staple consumption of rice: Amylose content versus germination status. PLoS ONE, 2017, 12, e0181309.	1.1	9
53	Differential expression of immune-related genes in the bursa of Fabricius of two inbred chicken lines following infection with very virulent infectious bursal disease virus. Comparative Immunology, Microbiology and Infectious Diseases, 2020, 68, 101399.	0.7	9
54	Clinico-pathology, hematology, and biochemistry responses toward Pasteurella multocida Type B: 2 via oral and subcutaneous route of infections. Veterinary World, 2015, 8, 783-792.	0.7	9

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55	Scoring System for Lesions Induced by Different Strains of Newcastle Disease Virus in Chicken. Veterinary Medicine International, 2018, 2018, 1-9.	0.6	8
56	Responses of pro-inflammatory cytokines, acute phase proteins and cytological analysis in serum and cerebrospinal fluid during haemorrhagic septicaemia infection in buffaloes. Tropical Animal Health and Production, 2019, 51, 1773-1782.	0.5	8
57	Molecular characterization of fowl adenovirus isolate of Malaysia attenuated in chicken embryo liver cells and its pathogenicity and immunogenicity in chickens. PLoS ONE, 2019, 14, e0225863.	1.1	8
58	Virus-like Particle Vaccines: A Prospective Panacea Against an Avian Influenza Panzootic. Vaccines, 2020, 8, 694.	2.1	8
59	Evaluation of Ultra-Microscopic Changes and Proliferation of Apoptotic Glioblastoma Multiforme Cells Induced by Velogenic Strain of Newcastle Disease Virus AF2240. Asian Pacific Journal of Cancer Prevention, 2019, 20, 757-765.	0.5	8
60	Evaluation of the antigen relatedness and efficacy of a single vaccination with different infectious bronchitis virus strains against a challenge with Malaysian variant and QX-like IBV strains. Journal of Veterinary Science, 2020, 21, e76.	0.5	8
61	Expression profiles of immune mediators in feline Coronavirus-infected cells and clinical samples of feline Coronavirus-positive cats. BMC Veterinary Research, 2017, 13, 92.	0.7	7
62	Infectious bursal disease virus tissue tropism and pathogenesis of the infection in chickens by application of in situ PCR, immunoperoxase and HE staining. Microbial Pathogenesis, 2019, 129, 195-205.	1.3	7
63	Exposure to Zoonotic West Nile Virus in Long-Tailed Macaques and Bats in Peninsular Malaysia. Animals, 2020, 10, 2367.	1.0	7
64	Complete Genome Sequence Analysis and Characterization of Selected Iron Regulation Genes of Pasteurella Multocida Serotype A Strain PMTB2.1. Genes, 2019, 10, 81.	1.0	7
65	Molecular characterization and pathogenicity of novel Malaysian chicken astrovirus isolates. Avian Pathology, 2022, 51, 51-65.	0.8	7
66	In VitroAntiviral Activity of Circular Triple Helix Forming Oligonucleotide RNA towards Feline Infectious Peritonitis Virus Replication. BioMed Research International, 2014, 2014, 1-8.	0.9	6
67	Isolation and Metagenomic Identification of Avian Leukosis Virus Associated with Mortality in Broiler Chicken. Advances in Virology, 2016, 2016, 1-4.	0.5	6
68	Complete Genome Sequence of Pasteurella multocida Serotype A Strain PMTB2.1 Isolated from Buffaloes That Died of Septicemia in Malaysia. Genome Announcements, 2017, 5, .	0.8	6
69	Transcriptome analysis of chicken intraepithelial lymphocyte natural killer cells infected with very virulent infectious bursal disease virus. Scientific Reports, 2020, 10, 18348.	1.6	6
70	Molecular characterization of Malaysian fowl adenovirus (FAdV) serotype 8b species E and pathogenicity of the virus in specific-pathogen-free chicken. Journal of Veterinary Science, 2021, 22, e42.	0.5	6
71	An Insight into the Molecular Characteristics and Associated Pathology of Chicken Astroviruses. Viruses, 2022, 14, 722.	1.5	6
72	Interaction of Recombinant Gallus gallus SEPT5 and Brain Proteins of H5N1-Avian Influenza Virus-Infected Chickens. Proteomes, 2017, 5, 23.	1.7	5

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73	Protective efficacy of inactivated Newcastle disease virus vaccines prepared in two different oil-based adjuvants. Onderstepoort Journal of Veterinary Research, 2020, 87, e1-e7.	0.6	5
74	Cellular Metabolic Profiling of CrFK Cells Infected with Feline Infectious Peritonitis Virus Using Phenotype Microarrays. Pathogens, 2020, 9, 412.	1.2	5
75	Propagation and Molecular Characterization of Bioreactor Adapted Very Virulent Infectious Bursal Disease Virus Isolates of Malaysia. Journal of Pathogens, 2018, 2018, 1-11.	0.9	4
76	Propagation and Molecular Characterization of Fowl Adenovirus Serotype 8b Isolates in Chicken Embryo Liver Cells Adapted on Cytodexâ„¢ 1 Microcarrier Using Stirred Tank Bioreactor. Processes, 2020, 8, 1065.	1.3	3
77	West Nile Virus Infection in Human and Animals: Potential Risks in Malaysia. Sains Malaysiana, 2019, 48, 2727-2735.	0.3	3
78	Efficacy of genotype-matched Newcastle disease virus vaccine formulated in carboxymethyl sago starch acid hydrogel in chickens vaccinated via different routes. Journal of Veterinary Science, 2022, 23, .	0.5	3
79	Molecular characterization of field strains of Mycoplasma gallisepticum in Malaysia through pMGA and pVPA genes sequencing. Cogent Biology, 2018, 4, 1456738.	1.7	2
80	Effects of supplementing freezeâ€dried Mitsuokella jalaludinii phytase on the growth performance and gut microbial diversity of broiler chickens. Journal of Animal Physiology and Animal Nutrition, 2020, 104, 116-125.	1.0	2
81	Characterization of S1 gene sequence variations of attenuated QX-like and variant infectious bronchitis virus strains and the pathogenicity of the viruses in specific-pathogen-free chickens. Archives of Virology, 2020, 165, 2777-2788.	0.9	2
82	Bioinformatics analysis of rhinovirus capsid proteins VP1-4 sequences for cross-serotype vaccine development. Journal of Infection and Public Health, 2021, 14, 1603-1611.	1.9	2
83	Negligible effect of chicken cytokine IL-12 integration into recombinant fowlpox viruses expressing avian influenza virus neuraminidase N1 on host cellular immune responses. Journal of General Virology, 2020, 101, 772-777.	1.3	2
84	The positive expression of genotype VII Newcastle disease virus (Malaysian isolate) in Japanese quails (Coturnix coturnix japonica). Veterinary World, 2017, 10, 542-548.	0.7	2
85	Alteration in the Population of Intraepithelial Lymphocytes and Virus Shedding in Specific-Pathogen-Free Chickens Following Inoculation with Lentogenic and Velogenic Newcastle Disease Virus Strains. Viral Immunology, 2022, , .	0.6	2
86	Development of TaqMan-based real-time RT-PCR assay based on N gene for the quantitative detection of feline morbillivirus. BMC Veterinary Research, 2021, 17, 128.	0.7	1
87	Functional prediction of de novo uni-genes from chicken transcriptomic data following infectious bursal disease virus at 3-days post-infection. BMC Genomics, 2021, 22, 461.	1.2	1
88	Expression of Toll-like receptors 3, 7, 9 and cytokines in feline infectious peritonitis virus-infected CRFK cells and feline peripheral monocytes. Journal of Veterinary Science, 2022, 23, e27.	0.5	1
89	Evaluation of humoral immune response, body weight and blood constituents of broilers supplemented with phytase on infectious bursal disease vaccination. Cogent Food and Agriculture, 2017, 3, 1306933.	0.6	0
90	Addendum: Ng, S.W. et al. Cellular Metabolic Profiling of CrFK Cells Infected with Feline Infectious Peritonitis Virus Using Phenotype Microarrays. Pathogens 2020, 9, 412. Pathogens, 2020, 9, 931.	1.2	0

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91	Molecular detection of feline leukemia virus in clinically ill cats in Klang Valley, Malaysia. Veterinary World, 2021, 14, 405-409.	0.7	0
92	A Recommendation for a Pre-Standardized Marine Microalgal Dry Weight Determination Protocol for Laboratory Scale Culture Using Ammonium Formate as a Washing Agent. Biology, 2021, 10, 799.	1.3	0
93	Expression of complement C5a receptor and the viability of 4T1 tumor cells following agonistâ€“antagonist treatment. Journal of Cancer Research and Therapeutics, 2016, 12, 590.	0.3	0
94	Title is missing!. , 2019, 14, e0225863.		0
95	Title is missing!. , 2019, 14, e0225863.		0
96	Title is missing!. , 2019, 14, e0225863.		0
97	Title is missing!. , 2019, 14, e0225863.		0