Amir H Noormohammadi

List of Publications by Citations

126 papers	2,450 citations	28 h-index	42 g-index
130 ext. papers	2,752 ext. citations	3.1 avg, IF	4.82 L-index

#	Paper	IF	Citations
126	Attenuated vaccines can recombine to form virulent field viruses. *Science*, **2012**, 337, 188	33.3	126
125	A novel mechanism for control of antigenic variation in the haemagglutinin gene family of mycoplasma synoviae. *Molecular Microbiology*, **2000**, 35, 911-23	4.1	100
124	Classification of fowl adenovirus serotypes by use of high-resolution melting-curve analysis of the hexon gene region. *Journal of Clinical Microbiology*, **2009**, 47, 311-21	9.7	93
123	Classification of Mycoplasma synoviae strains using single-strand conformation polymorphism and high-resolution melting-curve analysis of the vlhA gene single-copy region. *Microbiology (United Kingdom)*, **2007**, 153, 2679-2688	2.9	83
122	Differentiation of infectious laryngotracheitis virus isolates by restriction fragment length polymorphic analysis of polymerase chain reaction products amplified from multiple genes. *Avian Diseases*, **2006**, 50, 28-34	1.6	81
121	Mycoplasma synoviae has two distinct phase-variable major membrane antigens, one of which is a putative hemagglutinin. *Infection and Immunity*, **1997**, 65, 2542-7	3.7	63
120	Application of high-resolution melting curve analysis for typing of fowl adenoviruses in field cases of inclusion body hepatitis. *Australian Veterinary Journal*, **2011**, 89, 184-92	1.2	61
119	The central role of lipoproteins in the pathogenesis of mycoplasmoses. *Veterinary Microbiology*, **2011**, 153, 44-50	3.3	60
118	Multigene families encoding the major hemagglutinins in phylogenetically distinct mycoplasmas. *Infection and Immunity*, **1998**, 66, 3470-5	3.7	59
117	Epidemiology of recent outbreaks of infectious laryngotracheitis in poultry in Australia. *Australian Veterinary Journal*, **2011**, 89, 89-94	1.2	55
116	Relationship between mortality, clinical signs and tracheal pathology in infectious laryngotracheitis. *Avian Pathology*, **2006**, 35, 449-53	2.4	55
115	Glycoprotein G is a virulence factor in infectious laryngotracheitis virus. *Journal of General Virology*, **2006**, 87, 2839-2847	4.9	55
114	Rapid detection and non-subjective characterisation of infectious bronchitis virus isolates using high-resolution melt curve analysis and a mathematical model. *Archives of Virology*, **2009**, 154, 649-60	2.6	51
113	Therapy of murine cutaneous leishmaniasis by DNA vaccination. *Vaccine*, **2000**, 18, 3011-7	4.1	45
112	Evaluation of immunological responses to a glycoprotein G deficient candidate vaccine strain of infectious laryngotracheitis virus. *Vaccine*, **2010**, 28, 1325-32	4.1	44
111	Chronological analysis of gross and histological lesions induced by field strains of fowl adenovirus serotypes 1, 8b and 11 in one-day-old chickens. *Avian Pathology*, **2015**, 44, 106-13	2.4	41
110	Characterization of Chlamydiaceae species using PCR and high resolution melt curve analysis of the 16S rRNA gene. *Journal of Applied Microbiology*, **2009**, 107, 2017-28	4.7	41

109	Infectious bronchitis viruses with a novel genomic organization. *Journal of Virology*, **2008**, 82, 2013-24	6.6	41
108	Spread of the newly emerging infectious laryngotracheitis viruses in Australia. *Infection, Genetics and Evolution*, **2016**, 43, 67-73	4.5	41
107	The prevalence and clinical significance of Chlamydia infection in island and mainland populations of Victorian koalas (Phascolarctos cinereus). *Journal of Wildlife Diseases*, **2015**, 51, 309-17	1.3	39
106	Challenges and recent advancements in infectious laryngotracheitis virus vaccines. *Avian Pathology*, **2013**, 42, 195-205	2.4	39
105	First complete genome sequence of infectious laryngotracheitis virus. *BMC Genomics*, **2011**, 12, 197	4.5	38
104	Differentiation of Mycoplasma gallisepticum strains using PCR and high-resolution melting curve analysis. *Microbiology (United Kingdom)*, **2010**, 156, 1019-1029	2.9	36
103	Identification of Chlamydial species in crocodiles and chickens by PCR-HRM curve analysis. *Veterinary Microbiology*, **2010**, 145, 373-9	3.3	36
102	Development of a SYBR Green quantitative polymerase chain reaction assay for rapid detection and quantification of infectious laryngotracheitis virus. *Avian Pathology*, **2011**, 40, 237-42	2.4	35
101	Whole genome sequence analysis of Australian avian pathogenic Escherichia coli that carry the class 1 integrase gene. *Microbial Genomics*, **2019**, 5,	4.4	31
100	Phylogenetic and molecular epidemiological studies reveal evidence of multiple past recombination events between infectious laryngotracheitis viruses. *PLoS ONE*, **2013**, 8, e55121	3.7	28
99	Role of phenotypic diversity in pathogenesis of avian mycoplasmosis. *Avian Pathology*, **2007**, 36, 439-44	2.4	28
98	Comparative analysis of the complete genome sequences of two Australian origin live attenuated vaccines of infectious laryngotracheitis virus. *Vaccine*, **2011**, 29, 9583-7	4.1	27
97	The conserved portion of the putative virulence region contributes to virulence of avian pathogenic Escherichia coli. *Microbiology (United Kingdom)*, **2009**, 155, 450-460	2.9	27
96	Effect of a live Mycoplasma synoviae vaccine on the production of eggshell apex abnormalities induced by a M. synoviae infection preceded by an infection with infectious bronchitis virus D1466. *Avian Pathology*, **2009**, 38, 333-40	2.4	25
95	Comparative in vivo safety and efficacy of a glycoprotein G-deficient candidate vaccine strain of infectious laryngotracheitis virus delivered via eye drop. *Avian Pathology*, **2011**, 40, 411-7	2.4	25
94	Comparison of the replication and transmissibility of an infectious laryngotracheitis virus vaccine delivered via eye-drop or drinking-water. *Avian Pathology*, **2012**, 41, 99-106	2.4	24
93	Full genome analysis of Australian infectious bronchitis viruses suggests frequent recombination events between vaccine strains and multiple phylogenetically distant avian coronaviruses of unknown origin. *Veterinary Microbiology*, **2016**, 197, 27-38	3.3	23
92	Detection of avian nephritis virus in Australian chicken flocks. *Avian Diseases*, **2010**, 54, 990-3	1.6	23

91	Growth kinetics and transmission potential of existing and emerging field strains of infectious laryngotracheitis virus. *PLoS ONE*, **2015**, 10, e0120282	3.7	23
90	The vlhA loci of Mycoplasma synoviae are confined to a restricted region of the genome. *Microbiology (United Kingdom)*, **2005**, 151, 935-940	2.9	21
89	Pathological and microbiological investigations into cases of bacterial chondronecrosis and osteomyelitis in broiler poultry. *Avian Pathology*, **2017**, 46, 683-694	2.4	20
88	Horizontal transmission dynamics of a glycoprotein G deficient candidate vaccine strain of infectious laryngotracheitis virus and the effect of vaccination on transmission of virulent virus. *Vaccine*, **2011**, 29, 5699-704	4.1	20
87	Genotyping of Japanese field isolates of Mycoplasma synoviae and rapid molecular differentiation from the MS-H vaccine strain. *Avian Diseases*, **2011**, 55, 187-94	1.6	20
86	Naturally occurring recombination between distant strains of infectious bronchitis virus. *Archives of Virology*, **2010**, 155, 1581-6	2.6	20
85	Viral load in 1-day-old and 6-week-old chickens infected with chicken anaemia virus by the intraocular route. *Avian Pathology*, **2006**, 35, 471-4	2.4	19
84	Rapid differentiation of current infectious bronchitis virus vaccine strains and field isolates in Australia. *Australian Veterinary Journal*, **2006**, 84, 59-62	1.2	19
83	Differentiation of infectious bursal disease virus strains using real-time RT-PCR and high resolution melt curve analysis. *Journal of Virological Methods*, **2011**, 171, 264-71	2.6	18
82	Infectious bronchitis viruses with naturally occurring genomic rearrangement and gene deletion. *Archives of Virology*, **2011**, 156, 245-52	2.6	18
81	GapA+ Mycoplasma gallisepticum ts-11 has improved vaccine characteristics. *Microbiology (United Kingdom)*, **2011**, 157, 1740-1749	2.9	18
80	IFN-gamma enhances immune responses to E. coli infection in the chicken. *Journal of Interferon and Cytokine Research*, **2007**, 27, 937-46	3.5	18
79	Application of high-resolution melt curve analysis for classification of infectious bronchitis viruses in field specimens. *Australian Veterinary Journal*, **2010**, 88, 408-13	1.2	17
78	Typing infectious bronchitis virus strains using reverse transcription-polymerase chain reaction and restriction fragment length polymorphism analysis to compare the 3S7.5 kb of their genomes. *Avian Pathology*, **2006**, 35, 63-9	2.4	17
77	Evaluation of the non-temperature-sensitive field clonal isolates of the Mycoplasma synoviae vaccine strain MS-H. *Avian Diseases*, **2003**, 47, 355-60	1.6	17
76	Indirect enzyme-linked immunosorbent assay for detection of immunoglobulin G reactive with a recombinant protein expressed from the gene encoding the 116-kilodalton protein of Mycoplasma pneumoniae. *Journal of Clinical Microbiology*, **1999**, 37, 1024-9	9.7	17
75	Mutations in GTP binding protein Obg of Mycoplasma synoviae vaccine strain MS-H: implications in temperature-sensitivity phenotype. *PLoS ONE*, **2013**, 8, e73954	3.7	17
74	TonB is essential for virulence in avian pathogenic Escherichia coli. *Comparative Immunology, Microbiology and Infectious Diseases*, **2012**, 35, 129-38	2.6	16

73	Survey of captive parrot populations around Port Phillip Bay, Victoria, Australia, for psittacine beak and feather disease virus, avian polyomavirus and psittacine adenovirus. *Australian Veterinary Journal*, **2015**, 93, 287-92	1.2	15
72	Kinetics of transcription of infectious laryngotracheitis virus genes. *Comparative Immunology, Microbiology and Infectious Diseases*, **2012**, 35, 103-15	2.6	15
71	Mycoplasma synoviae surface protein MSPB as a recombinant antigen in an indirect ELISA. *Microbiology (United Kingdom)*, **1999**, 145 (Pt 8), 2087-2094	2.9	15
70	Evaluation of a novel strain of infectious bronchitis virus emerged as a result of spike gene recombination between two highly diverged parent strains. *Avian Pathology*, **2014**, 43, 249-57	2.4	14
69	High-resolution melting-curve analysis of obg gene to differentiate the temperature-sensitive Mycoplasma synoviae vaccine strain MS-H from non-temperature-sensitive strains. *PLoS ONE*, **2014**, 9, e92215	3.7	14
68	Evaluation of the Capacity of PCR and High-Resolution Melt Curve Analysis for Identification of Mixed Infection with Mycoplasma gallisepticum Strains. *PLoS ONE*, **2015**, 10, e0126824	3.7	13
67	Safety and vaccine efficacy of a glycoprotein G deficient strain of infectious laryngotracheitis virus delivered in ovo. *Vaccine*, **2012**, 30, 7193-8	4.1	13
66	A polymerase chain reaction-coupled high-resolution melting curve analytical approach for the monitoring of monospecificity of avian Eimeria species. *Avian Pathology*, **2009**, 38, 13-9	2.4	13
65	Comparison of the replication and transmissibility of two infectious laryngotracheitis virus chicken embryo origin vaccines delivered via drinking water. *Avian Pathology*, **2012**, 41, 195-202	2.4	13
64	Development of a Mycoplasma gallisepticum infection model in turkeys. *Avian Pathology*, **2015**, 44, 35-42	2.4	12
63	Infectious Laryngotracheitis Virus Viral Chemokine-Binding Protein Glycoprotein G Alters Transcription of Key Inflammatory Mediators and. *Journal of Virology*, **2018**, 92,	6.6	11
62	Combination of differential growth at two different temperatures with a quantitative real-time polymerase chain reaction to determine temperature-sensitive phenotype of Mycoplasma synoviae. *Avian Pathology*, **2013**, 42, 185-91	2.4	11
61	Comparison of multiple genes and 16S-23S rRNA intergenic space region for their capacity in high resolution melt curve analysis to differentiate Mycoplasma gallisepticum vaccine strain ts-11 from field strains. *Veterinary Microbiology*, **2013**, 167, 440-7	3.3	11
60	Detection of antibodies to Mycoplasma gallisepticum vaccine ts-11 by an autologous pMGA enzyme-linked immunosorbent assay. *Avian Diseases*, **2002**, 46, 405-11	1.6	11
59	Genome analysis of Mycoplasma synoviae strain MS-H, the most common M. synoviae strain with a worldwide distribution. *BMC Genomics*, **2018**, 19, 117	4.5	10
58	Identification of a new genetic marker in Mycoplasma synoviae vaccine strain MS-H and development of a strategy using polymerase chain reaction and high-resolution melting curve analysis for differentiating MS-H from field strains. *Veterinary Microbiology*, **2017**, 210, 49-55	3.3	10
57	Discrepancy between minimal inhibitory concentration to enrofloxacin and mutations present in the quinolone-resistance determining regions of Mycoplasma gallisepticum field strains. *Veterinary Microbiology*, **2012**, 160, 222-6	3.3	10
56	The presence of viral subpopulations in an infectious bronchitis virus vaccine with differing pathogenicity--a preliminary study. *Vaccine*, **2012**, 30, 4190-9	4.1	10

55	Onset of immunity with Mycoplasma synoviae: comparison of the live attenuated vaccine MS-H (Vaxsafe MS) with its wild-type parent strain (86079/7NS). *Avian Diseases*, **2006**, 50, 82-7	1.6	10
54	Evidence of apoptosis induced by viral protein 2 of chicken anaemia virus. *Archives of Virology*, **2015** , 160, 2557-63	2.6	9
53	Evaluation of Mycoplasma gallisepticum (MG) ts-304 vaccine as a live attenuated vaccine in turkeys. *Vaccine*, **2018**, 36, 2487-2493	4.1	8
52	Development of an oriC vector for use in Mycoplasma synoviae. *Journal of Microbiological Methods*, **2014**, 103, 70-6	2.8	8
51	Development of an enzyme-linked immunosorbent assay to detect chicken serum antibody to glycoprotein G of infectious laryngotracheitis virus. *Avian Diseases*, **2012**, 56, 509-15	1.6	8
50	Development and immunogenicity of recombinant Mycoplasma gallisepticum vaccine strain ts-11 expressing chicken IFN-gamma. *Vaccine*, **2008**, 26, 5449-54	4.1	8
49	Determination of the effective dose of the live Mycoplasma synoviae vaccine, Vaxsafe MS (strain MS-H) by protection against experimental challenge. *Avian Diseases*, **2006**, 50, 88-91	1.6	8
48	Improved detection of antibodies to Mycoplasma synoviae vaccine MS-H using an autologous recombinant MSPB enzyme-linked immunosorbent assay. *Avian Pathology*, **2002**, 31, 611-7	2.4	8
47	Immunological and biochemical characterization of membrane proteins. *Methods in Molecular Biology*, **1998**, 104, 279-98	1.4	8
46	Duration of immunity with Mycoplasma synoviae: comparison of the live attenuated vaccine MS-H (Vaxsafe MS) with its wild-type parent strain, 86079/7NS. *Avian Diseases*, **2006**, 50, 228-31	1.6	7
45	Duration of protective immunity induced by Mycoplasma gallisepticum strain ts-304 vaccine in chickens. *Veterinary Microbiology*, **2020**, 251, 108883	3.3	7
44	Comparison of the short-term and long-term efficacies of the Mycoplasma gallisepticum vaccines ts-11 and 6/85. *Avian Pathology*, **2019**, 48, 238-244	2.4	7
43	Immune responses to vaccination and infection with Mycoplasma gallisepticum in turkeys. *Avian Pathology*, **2017**, 46, 464-473	2.4	6
42	High-resolution melt curve analysis to confirm the presence of co-circulating isolates of avian nephritis virus in commercial chicken flocks. *Avian Pathology*, **2015**, 44, 443-51	2.4	6
41	Differential transcription patterns in wild-type and glycoprotein G-deleted infectious laryngotracheitis viruses. *Avian Pathology*, **2013**, 42, 253-9	2.4	6
40	Development and application of high-resolution melting analysis for the classification of infectious laryngotracheitis virus strains and detection of recombinant progeny. *Archives of Virology*, **2019**, 164, 427-438	2.6	6
39	Development and Validation of TaqMan Real-Time Polymerase Chain Reaction Assays for the Quantitative and Differential Detection of Wild-Type Infectious Laryngotracheitis Viruses from a Glycoprotein G-Deficient Candidate Vaccine Strain. *Avian Diseases*, **2015**, 59, 7-13	1.6	5
38	Pathogenesis and tissue tropism of natural field recombinants of infectious laryngotracheitis virus. *Veterinary Microbiology*, **2020**, 243, 108635	3.3	5

37	Mycoplasmosis **2020**, 907-965		5
36	Chronologic Analysis of Gross and Histologic Lesions Induced by Field Strains of FAdV-1, FAdV-8b, and FAdV-11 in Six-Week-Old Chickens. *Avian Diseases*, **2017**, 61, 512-519	1.6	5
35	Polyacrylamide gel-electrophoresis separation of whole-cell proteins. *Methods in Molecular Biology*, **1998**, 104, 267-77	1.4	5
34	Vaccination with FAdV-8a induces protection against inclusion body hepatitis caused by homologous and heterologous strains. *Avian Pathology*, **2019**, 48, 396-405	2.4	4
33	Characterisation of the antigenic epitopes in the subunit 2 haemagglutinin of avian influenza virus H5N1. *Archives of Virology*, **2018**, 163, 2199-2212	2.6	4
32	Comparative genomic analyses of vaccine strain MS-H and its wild-type parent strain 86079/7NS: implications for the identification of virulence factors and applications in diagnosis of. *Avian Pathology*, **2019**, 48, 537-548	2.4	4
31	Avian pathogenic Escherichia coli ΔonB mutants are safe and protective live-attenuated vaccine candidates. *Veterinary Microbiology*, **2014**, 173, 289-98	3.3	4
30	Protection Induced in Broiler Chickens following Drinking-Water Delivery of Live Infectious Laryngotracheitis Vaccines against Subsequent Challenge with Recombinant Field Virus. *PLoS ONE*, **2015**, 10, e0137719	3.7	4
29	Organization of the Mycoplasma synoviae WVU 1853T vlhA gene locus. *Avian Pathology*, **2006**, 35, 53-7	2.4	4
28	Safety and efficacy of the Mycoplasma synoviae MS-H vaccine in turkeys. *Avian Diseases*, **2007**, 51, 550-4	1.6	4
27	Full genomic characterisation of an emerging infectious laryngotracheitis virus class 7b from Australia linked to a vaccine strain revealed its identity. *Infection, Genetics and Evolution*, **2020**, 78, 104067	4.5	4
26	Mycoplasma gallisepticum strain ts-304 is a safe and effective live attenuated vaccine for use in chickens. *Veterinary Microbiology*, **2020**, 244, 108654	3.3	4
25	Mutation of oppF gene in the Mycoplasma synoviae MS-H vaccine strain and its implication for differential serological responses to vaccination versus field challenge. *Veterinary Microbiology*, **2019**, 231, 48-55	3.3	3
24	The C-terminal end of the capsid protein of Avian Nephritis Virus is antigenic and induces broadly cross-reactive antibodies. *Journal of Virological Methods*, **2015**, 221, 106-14	2.6	3
23	Assessment of the potential relationship between egg quality and infectious bronchitis virus infection in Australian layer flocks. *Australian Veterinary Journal*, **2014**, 92, 132-8	1.2	3
22	Effects of immunosuppression on the efficacy of vaccination against Mycoplasma gallisepticum infection in chickens. *Veterinary Microbiology*, **2021**, 260, 109182	3.3	3
21	Avian mycobacteriosis in captive brolgas (Antigone rubicunda). *Australian Veterinary Journal*, **2019**, 97, 81-86	1.2	2
20	Investigation of systemic isosporosis outbreaks in an aviary of greenfinch (Carduelis chloris) and goldfinch (Carduelis carduelis) and a possible link with local wild sparrows (Passer domesticus). *Australian Veterinary Journal*, **2020**, 98, 338-344	1.2	2

19	Complementation of the Mycoplasma synoviae MS-H vaccine strain with wild-type obg influencing its growth characteristics. *PLoS ONE*, **2018**, 13, e0194528	3.7	2
18	Cross-protective immune responses between genotypically distinct lineages of infectious laryngotracheitis viruses. *Avian Diseases*, **2014**, 58, 147-52	1.6	2
17	Classification of Fowl Adenovirus Serotypes by Use of High-Resolution Melting-Curve Analysis of the Hexon Gene Region. *Journal of Clinical Microbiology*, **2009**, 47, 1616-1616	9.7	2
16	Fatal skull trauma in caged layer chickens associated with a moving feed hopper: diagnosis based on autopsy examination, forensic computed tomography and farm visit. *Avian Pathology*, **2012**, 41, 391-4	2.4	2
15	Investigation onto the correlation between systemic antibodies to surface glycoproteins of infectious laryngotracheitis virus (ILTV) and protective immunity. *Veterinary Microbiology*, **2019**, 228, 252-258	3.3	2
14	Transcriptomic Analysis of Long-Term Protective Immunity Induced by Vaccination With Strain ts-304. *Frontiers in Immunology*, **2020**, 11, 628804	8.4	2
13	Safety and efficacy of a Mycoplasma gallisepticum oppD knockout mutant as a vaccine candidate. *Vaccine*, **2017**, 35, 6248-6253	4.1	1
12	Development of a rapid technique for extraction of viral DNA/RNA for whole genome sequencing directly from clinical liver tissues. *Journal of Virological Methods*, **2020**, 283, 113907	2.6	1
11	Analysis of antibody response to an epitope in the haemagglutinin subunit 2 of avian influenza virus H5N1 for differentiation of infected and vaccinated chickens. *Avian Pathology*, **2020**, 49, 161-170	2.4	1
10	Preliminary comparative analysis of the genomes of selected field reisolates of the Mycoplasma synoviae vaccine strain MS-H reveals both stable and unstable mutations after passage in vivo. *BMC Genomics*, **2020**, 21, 598	4.5	1
9	Mucosal immune responses in the trachea after chronic infection with Mycoplasma gallisepticum in unvaccinated and vaccinated mature chickens. *Cellular Microbiology*, **2021**, 23, e13383	3.9	1
8	Welfare implications of bacterial and viral infectious diseases for laying hens. *Animal Production Science*, **2021**, 61, 1018	1.4	1
7	Characterisation of the whole genome sequence of an avian hepatitis E virus directly from clinical specimens reveals possible recombination events between European and USA strains. *Infection, Genetics and Evolution*, **2021**, 96, 105095	4.5	0
6	Complementation of the MS-H vaccine strain with wild-type influences its growth characteristics. *Avian Pathology*, **2020**, 49, 275-285	2.4	
5	Trevor John Bagust (1944-2014). *Avian Pathology*, **2014**, 43, 282-3	2.4	
4	The epidemiology of ILT in Australia - insufficient data to support the conclusions. *Australian Veterinary Journal*, **2011**, 89, 281	1.2	
3	Other Viral Infections **2020**, 498-547		
2	Infectious bronchitis virus in Australia: a model of coronavirus evolution - a review. *Avian Pathology*, **2021**, 50, 295-310	2.4	

1	Rapid typing of infectious laryngotracheitis virus directly from tracheal tissues based on next-generation sequencing.. *Archives of Virology*, **2022**, 167, 1151	2.6