Daniel Marc

List of Publications by Year
in descending order

39 papers	1,885 citations	304602 22 h-index	289141 40 g-index
40 all docs	40 docs citations	40 times ranked	2135 citing authors

#	Article	IF	Citations
1	Early accumulation of PrPSc in gut-associated lymphoid and nervous tissues of susceptible sheep from a Romanov flock with natural scrapie. Journal of General Virology, 2000, 81, 3115-3126.	1.3	372
2	The Prion Protein Has RNA Binding and Chaperoning Properties Characteristic of Nucleocapsid Protein NCp7 of HIV-1. Journal of Biological Chemistry, 2001, 276, 19301-19309.	1.6	163
3	High yield purification and physico-chemical properties of full-length recombinant allelic variants of sheep prion protein linked to scrapie susceptibility. FEBS Journal, 2000, 267, 2833-2839.	0.2	145
4	A Genetically Engineered Waterfowl Influenza Virus with a Deletion in the Stalk of the Neuraminidase Has Increased Virulence for Chickens. Journal of Virology, 2010, 84, 940-952.	1.5	124
5	Influenza virus non-structural protein NS1: interferon antagonism and beyond. Journal of General Virology, 2014, 95, 2594-2611.	1.3	117
6	Role of myristoylation of poliovirus capsid protein VP4 as determined by site-directed mutagenesis of its N-terminal sequence.. EMBO Journal, 1989, 8, 2661-2668.	3.5	96
7	Lack of myristoylation of poliovirus capsid polypeptide VP0 prevents the formation of virions or results in the assembly of noninfectious virus particles. Journal of Virology, 1990, 64, 4099-4107.	1.5	87
8	Phenotyping of Protein-Prion (PrPsc)-accumulating Cells in Lymphoid and Neural Tissues of Naturally Scrapie-affected Sheep by Double-labeling Immunohistochemistry. Journal of Histochemistry and Cytochemistry, 2002, 50, 1357-1370.	1.3	66
9	Analysis of putative active site residues of the poliovirus 3C protease. Virology, 1991, 181, 609-619.	1.1	59
10	A novel chicken lung epithelial cell line: Characterization and response to low pathogenicity avian influenza virus. Virus Research, 2011, 159, 32-42.	1.1	51
11	Innate immune response to a H3N2 subtype swine influenza virus in newborn porcine trachea cells, alveolar macrophages, and precision-cut lung slices. Veterinary Research, 2014, 45, 42.	1.1	50
12	Length Variations in the NA Stalk of an H7N1 Influenza Virus Have Opposite Effects on Viral Excretion in Chickens and Ducks. Journal of Virology, 2012, 86, 584-588.	1.5	49
13	SOCS proteins in infectious diseases of mammals. Veterinary Immunology and Immunopathology, 2013, 151, 1-19.	0.5	46
14	Analysis of the fim cluster of an avian O2 strain of Escherichia coli: serogroup-specific sites within fimA and nucleotide sequence of fimI. Journal of Medical Microbiology, 1996, 44, 444-452.	0.7	43
15	Colonization ability and pathogenic properties of a fimâˆ' mutant of an avian strain of Escherichia coli. Research in Microbiology, 1998, 149, 473-485.	1.0	39
16	A Gly1 to Ala substitution in poliovirus capsid protein VP0 blocks its myristoylation and prevents viral assembly. Journal of General Virology, 1991, 72, 1151-1157.	1.3	36
17	Curcumin inhibits the TGF-Î²1-dependent differentiation of lung fibroblasts via PPARÎ³-driven upregulation of cathepsins B and L. Scientific Reports, 2019, 9, 491.	1.6	35
18	Fast, reversible interaction of prion protein with RNA aptamers containing specific sequence patterns. Archives of Virology, 2006, 151, 2197-2214.	0.9	34

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19	Increased Tracheal Colonization in Chickens without Impairing Pathogenic Properties of Avian Pathogenic Escherichia coli MT78 with a fimH Deletion. Avian Diseases, 2000, 44, 343.	0.4	32
20	PrPC has nucleic acid chaperoning properties similar to the nucleocapsid protein of HIV-1. Comptes Rendus - Biologies, 2002, 325, 17-23.	0.1	29
21	The RNA-binding domain of influenzavirus non-structural protein-1 cooperatively binds to virus-specific RNA sequences in a structure-dependent manner. Nucleic Acids Research, 2013, 41, 434-449.	6.5	28
22	Deletion of the C-terminal ESEV domain of NS1 does not affect the replication of a low-pathogenic avian influenza virus H7N1 in ducks and chickens. Journal of General Virology, 2013, 94, 50-58.	1.3	27
23	Unusual Property of Prion Protein Unfolding in Neutral Salt Solution. Biochemistry, 2002, 41, 11017-11024.	1.2	21
24	Scavenger, transducer, RNA chaperone? What ligands of the prion protein teach us about its function. Cellular and Molecular Life Sciences, 2007, 64, 815-829.	2.4	19
25	Protection Patterns in Duck and Chicken after Homo- or Hetero-Subtypic Reinfections with H5 and H7 Low Pathogenicity Avian Influenza Viruses: A Comparative Study. PLoS ONE, 2014, 9, e105189.	1.1	14
26	Shortening the unstructured, interdomain region of the non-structural protein NS1 of an avian H1N1 influenza virus increases its replication and pathogenicity in chickens. Journal of General Virology, 2014, 95, 1233-1243.	1.3	13
27	Productive replication of avian influenza viruses in chicken endothelial cells is determined by hemagglutinin cleavability and is related to innate immune escape. Virology, 2018, 513, 29-42.	1.1	13
28	Functional Homologies between Avian and Human Alphaherpesvirus VP22 Proteins in Cell-to-Cell Spreading as Revealed by a New <i>cis</i> -Complementation Assay. Journal of Virology, 2008, 82, 9278-9282.	1.5	11
29	Analysis of nucleic acid chaperoning by the prion protein and its inhibition by oligonucleotides. Nucleic Acids Research, 2011, 39, 8544-8558.	6.5	11
30	Major contribution of the RNA-binding domain of NS1 in the pathogenicity and replication potential of an avian H7N1 influenza virus in chickens. Virology Journal, 2018, 15, 55.	1.4	11
31	Chicken endothelial cells are highly responsive to viral innate immune stimuli and are susceptible to infections with various avian pathogens. Avian Pathology, 2019, 48, 121-134.	0.8	6
32	Stop-codon variations in non-structural protein NS1 of avian influenza viruses. Virulence, 2016, 7, 498-501.	1.8	5
33	Molecular Dynamics Simulations of Influenza A Virus NS1 Reveal a Remarkably Stable RNA-Binding Domain Harboring Promising Druggable Pockets. Viruses, 2020, 12, 537.	1.5	5
34	NS1Âdes virus influenzaÂ: une protÃ©ine trÃ¨s Â«ÂinfluenteÂÂ». Virologie, 2012, 16, 95-106.	0.1	5
35	Study of the host specificity of PB1-F2-associated virulence. Virulence, 2021, 12, 1647-1660.	1.8	4
36	Aptamers to explore prion protein interactions with nucleic acids. Frontiers in Bioscience - Landmark, 2010, 15, 550.	3.0	3

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37	Factors associated with influenza vaccination failure and severe disease in a French region in 2015. PLoS ONE, 2018, 13, e0195611.	1.1	3
38	Structure and Sequence Determinants Governing the Interactions of RNAs with Influenza A Virus Non-Structural Protein NS1. Viruses, 2020, 12, 947.	1.5	3
39	Influenza A Virus NS1 Protein Structural Flexibility Analysis According to Its Structural Polymorphism Using Computational Approaches. International Journal of Molecular Sciences, 2022, 23, 1805.	1.8	2