Fernando Almazan

List of Publications by Year
in descending order

66 papers	4,345 citations	136740 32 h-index	118652 62 g-index
68 all docs	68 docs citations	68 times ranked	5105 citing authors

#	Article	IF	Citations
1	Continuous and Discontinuous RNA Synthesis in Coronaviruses. Annual Review of Virology, 2015, 2, 265-288.	3.0	525
2	A Severe Acute Respiratory Syndrome Coronavirus That Lacks the E Gene Is Attenuated In Vitro and In Vivo. Journal of Virology, 2007, 81, 1701-1713.	1.5	354
3	Engineering the largest RNA virus genome as an infectious bacterial artificial chromosome. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 5516-5521.	3.3	320
4	Engineering a Replication-Competent, Propagation-Defective Middle East Respiratory Syndrome Coronavirus as a Vaccine Candidate. MBio, 2013, 4, e00650-13.	1.8	236
5	Construction of a Severe Acute Respiratory Syndrome Coronavirus Infectious cDNA Clone and a Replicon To Study Coronavirus RNA Synthesis. Journal of Virology, 2006, 80, 10900-10906.	1.5	198
6	The Nucleoprotein Is Required for Efficient Coronavirus Genome Replication. Journal of Virology, 2004, 78, 12683-12688.	1.5	190
7	Biochemical Aspects of Coronavirus Replication and Virus-Host Interaction. Annual Review of Microbiology, 2006, 60, 211-230.	2.9	187
8	African swine fever virus encodes a CD2 homolog responsible for the adhesion of erythrocytes to infected cells. Journal of Virology, 1993, 67, 5312-5320.	1.5	142
9	RNA-RNA and RNA-protein interactions in coronavirus replication and transcription. RNA Biology, 2011, 8, 237-248.	1.5	116
10	Coronavirus reverse genetic systems: Infectious clones and replicons. Virus Research, 2014, 189, 262-270.	1.1	100
11	Mitochondrial levels determine variability in cell death by modulating apoptotic gene expression. Nature Communications, 2018, 9, 389.	5.8	98
12	Transmissible gastroenteritis coronavirus gene 7 is not essential but influences in vivo virus replication and virulence. Virology, 2003, 308, 13-22.	1.1	97
13	Rescue of SARS-CoV-2 from a Single Bacterial Artificial Chromosome. MBio, 2020, 11, .	1.8	94
14	Interference of ribosomal frameshifting by antisense peptide nucleic acids suppresses SARS coronavirus replication. Antiviral Research, 2011, 91, 1-10.	1.9	88
15	Multigene families in African swine fever virus: family 110. Journal of Virology, 1990, 64, 2064-2072.	1.5	85
16	The African Swine Fever Virus IAP Homolog Is a Late Structural Polypeptide. Virology, 1995, 214, 670-674.	1.1	80
17	Recovery of a Neurovirulent Human Coronavirus OC43 from an Infectious cDNA Clone. Journal of Virology, 2006, 80, 3670-3674.	1.5	77
18	Transcriptional analysis of multigene family 110 of African swine fever virus. Journal of Virology, 1992, 66, 6655-6667.	1.5	76

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19	Inducible Gene Expression from African Swine Fever Virus Recombinants: Analysis of the Major Capsid Protein p72. Journal of Virology, 1998, 72, 3185-3195.	1.5	74
20	Complete genome sequence of transmissible gastroenteritis coronavirus PUR46-MAD clone and evolution of the purdue virus cluster. Virus Genes, 2001, 23, 105-118.	0.7	74
21	Genetic variation of african swine fever virus: Variable regions near the ends of the viral DNA. Virology, 1989, 173, 251-257.	1.1	73
22	African Swine Fever Virus EP153R Open Reading Frame Encodes a Glycoprotein Involved in the Hemadsorption of Infected Cells. Virology, 2000, 266, 340-351.	1.1	68
23	The Polypyrimidine Tract-Binding Protein Affects Coronavirus RNA Accumulation Levels and Relocalizes Viral RNAs to Novel Cytoplasmic Domains Different from Replication-Transcription Sites. Journal of Virology, 2011, 85, 5136-5149.	1.5	68
24	Stabilization of a Full-Length Infectious cDNA Clone of Transmissible Gastroenteritis Coronavirus by Insertion of an Intron. Journal of Virology, 2002, 76, 4655-4661.	1.5	66
25	Host cell proteins interacting with the 3â€² end of TGEV coronavirus genome influence virus replication. Virology, 2009, 391, 304-314.	1.1	63
26	A novel porcine reproductive and respiratory syndrome virus vector system that stably expresses enhanced green fluorescent protein as a separate transcription unit. Veterinary Research, 2013, 44, 104.	1.1	60
27	Multigene families in African swine fever virus: family 360. Journal of Virology, 1990, 64, 2073-2081.	1.5	55
28	Genetic manipulation of African swine fever virus: Construction of recombinant viruses expressing the Î²-galactosidase gene. Virology, 1992, 188, 67-76.	1.1	52
29	The Vaccinia Virus Superoxide Dismutase-Like Protein (A45R) Is a Virion Component That Is Nonessential for Virus Replication. Journal of Virology, 2001, 75, 7018-7029.	1.5	52
30	Molecular Characterization of Feline Infectious Peritonitis Virus Strain DF-2 and Studies of the Role of ORF3abc in Viral Cell Tropism. Journal of Virology, 2012, 86, 6258-6267.	1.5	51
31	Transcriptional mapping of a late gene coding for the p12 attachment protein of African swine fever virus. Journal of Virology, 1993, 67, 553-556.	1.5	46
32	Coronavirus derived expression systems. Journal of Biotechnology, 2001, 88, 183-204.	1.9	40
33	Vectors for the genetic manipulation of African swine fever virus. Journal of Biotechnology, 1995, 40, 121-131.	1.9	32
34	An Alanine-to-Valine Substitution in the Residue 175 of Zika Virus NS2A Protein Affects Viral RNA Synthesis and Attenuates the Virus In Vivo. Viruses, 2018, 10, 547.	1.5	32
35	Cytoplasmic RNA viruses as potential vehicles for the delivery of therapeutic small RNAs. Virology Journal, 2013, 10, 185.	1.4	30
36	Development of a novel DNA-launched dengue virus type 2 infectious clone assembled in a bacterial artificial chromosome. Virus Research, 2014, 180, 12-22.	1.1	29

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37	Engineering Infectious cDNAs of Coronavirus as Bacterial Artificial Chromosomes. Methods in Molecular Biology, 2008, 454, 275-291.	0.4	27
38	Reverse Genetic Approaches for the Generation of Recombinant Zika Virus. Viruses, 2018, 10, 597.	1.5	23
39	A natural polymorphism in Zika virus NS2A protein responsible of virulence in mice. Scientific Reports, 2019, 9, 19968.	1.6	23
40	Potent Inhibition of Zika Virus Replication by Aurintricarboxylic Acid. Frontiers in Microbiology, 2019, 10, 718.	1.5	22
41	Rescue of Recombinant Zika Virus from a Bacterial Artificial Chromosome cDNA Clone. Journal of Visualized Experiments, 2019, , .	0.2	20
42	Engineering Infectious cDNAs of Coronavirus as Bacterial Artificial Chromosomes. Methods in Molecular Biology, 2015, 1282, 135-152.	0.4	20
43	Identification of a Gamma Interferon-Activated Inhibitor of Translation-Like RNA Motif at the 3â€² End of the Transmissible Gastroenteritis Coronavirus Genome Modulating Innate Immune Response. MBio, 2015, 6, e00105.	1.8	19
44	A Point Mutation within the Replicase Gene Differentially Affects Coronavirus Genome versus Minigenome Replication. Journal of Virology, 2005, 79, 15016-15026.	1.5	17
45	Identification of Inhibitors of ZIKV Replication. Viruses, 2020, 12, 1041.	1.5	17
46	In vivo rescue of recombinant Zika virus from an infectious cDNA clone and its implications in vaccine development. Scientific Reports, 2020, 10, 512.	1.6	14
47	Cloning of the gp63 surface protease of Leishmania infantum. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1997, 1361, 92-102.	1.8	13
48	Transmissible Gastroenteritis Coronavirus RNA-Dependent RNA Polymerase and Nonstructural Proteins 2, 3, and 8 Are Incorporated into Viral Particles. Journal of Virology, 2012, 86, 1261-1266.	1.5	13
49	Molecular characterization of a Chinese vaccine strain of transmissible gastroenteritis virus: mutations that may contribute to attenuation. Virus Genes, 2010, 40, 403-409.	0.7	10
50	Role of transcription regulatory sequence in regulation of gene expression and replication of porcine reproductive and respiratory syndrome virus. Veterinary Research, 2017, 48, 41.	1.1	9
51	A set of African swine fever virus tandem repeats shares similarities with SAR-like sequences. Journal of General Virology, 1995, 76, 729-740.	1.3	7
52	Immunogenic characterization and epitope mapping of transmissible gastroenteritis virus RNA dependent RNA polymerase. Journal of Virological Methods, 2011, 175, 7-13.	1.0	7
53	Virus-based vectors for gene expression in mammalian cells: Coronavirus. New Comprehensive Biochemistry, 2003, 38, 151-168.	0.1	6
54	Biochemical Aspects of Coronavirus Replication. Advances in Experimental Medicine and Biology, 2006, 581, 13-24.	0.8	6

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55	Cloning Of A Transmissible Gastroenteritis Coronavirus Full-Length cDNA. Advances in Experimental Medicine and Biology, 2001, 494, 533-536.	0.8	5
56	Rapid differentiation of vaccine strain and Chinese field strains of transmissible gastroenteritis virus by restriction fragment length polymorphism of the N gene. Virus Genes, 2010, 41, 47-58.	0.7	5
57	Reprint of: Coronavirus reverse genetic systems: Infectious clones and replicons. Virus Research, 2014, 194, 67-75.	1.1	5
58	Identification of Essential Genes as a Strategy to Select a Sars Candidate Vaccine Using a SARS-CoV Infectious cDNA. Advances in Experimental Medicine and Biology, 2006, , 579-583.	0.8	5
59	Identification of essential genes as a strategy to select a SARS candidate vaccine using a SARS-CoV infectious cDNA. Advances in Experimental Medicine and Biology, 2006, 581, 579-83.	0.8	5
60	New Advances on Zika Virus Research. Viruses, 2019, 11, 258.	1.5	4
61	Induction of aggregation in porcine lymphoid cells by antibodies to CD46. Veterinary Immunology and Immunopathology, 2000, 73, 73-81.	0.5	3
62	Generation of a DNA-Launched Reporter Replicon Based on Dengue Virus Type 2 as a Multipurpose Platform. Intervirology, 2016, 59, 275-282.	1.2	3
63	Coronavirus Derived Expression Systems. Advances in Experimental Medicine and Biology, 2001, 494, 309-321.	0.8	3
64	Gene expression, virulence and vaccine development in coronaviruses. Journal of Biotechnology, 2008, 136, S212-S213.	1.9	0
65	A Strategy for the Generation of an Infectious Transmissible Gastroenteritis Coronavirus from Cloned cDNA. Advances in Experimental Medicine and Biology, 2001, 494, 261-266.	0.8	0
66	Differential role of N-Terminal Polyprotein Processing in Coronavirus Genome Replication and Minigenome Amplification. Advances in Experimental Medicine and Biology, 2006, 581, 79-83.	0.8	0