Juan Ortin

List of Publications by Citations

68 papers	5,413 citations	38 h-index	69 g-index
69 ext. papers	5,809 ext. citations	8.7 avg, IF	5.19 L-index

#	Paper	IF	Citations
68	The multifunctional NS1 protein of influenza A viruses. *Journal of General Virology*, **2008**, 89, 2359-2376	4.9	787
67	The quasispecies (extremely heterogeneous) nature of viral RNA genome populations: biological relevance--a review. *Gene*, **1985**, 40, 1-8	3.8	392
66	The structural basis for cap binding by influenza virus polymerase subunit PB2. *Nature Structural and Molecular Biology*, **2008**, 15, 500-6	17.6	380
65	Lack of transmission of H5N1 avian-human reassortant influenza viruses in a ferret model. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 12121-6	11.5	275
64	Multiple genetic variants arise in the course of replication of foot-and-mouth disease virus in cell culture. *Virology*, **1983**, 128, 310-8	3.6	241
63	The structure of native influenza virion ribonucleoproteins. *Science*, **2012**, 338, 1634-7	33.3	213
62	Nucleotide sequence heterogeneity of the RNA from a natural population of foot-and-mouth-disease virus. *Gene*, **1980**, 11, 333-46	3.8	182
61	Expression in mammalian cells of a gene from Streptomyces alboniger conferring puromycin resistance. *Nucleic Acids Research*, **1986**, 14, 4617-24	20.1	172
60	The structure of a biologically active influenza virus ribonucleoprotein complex. *PLoS Pathogens*, **2009**, 5, e1000491	7.6	153
59	Efficient transformation of mammalian cells with constructs containing a puromycin-resistance marker. *Gene*, **1988**, 62, 121-6	3.8	138
58	PABP1 and eIF4GI associate with influenza virus NS1 protein in viral mRNA translation initiation complexes. *Journal of General Virology*, **2003**, 84, 3263-3274	4.9	135
57	The composition of Staufen-containing RNA granules from human cells indicates their role in the regulated transport and translation of messenger RNAs. *Nucleic Acids Research*, **2004**, 32, 2411-20	20.1	118
56	Analysis of the interaction of influenza virus polymerase complex with human cell factors. *Proteomics*, **2008**, 8, 2077-88	4.8	111
55	Establishment of cell lines persistently infected with foot-and-mouth disease virus. *Virology*, **1985**, 145, 24-35	3.6	110
54	Genetic trans-complementation establishes a new model for influenza virus RNA transcription and replication. *PLoS Pathogens*, **2009**, 5, e1000462	7.6	109
53	3D structure of the influenza virus polymerase complex: localization of subunit domains. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 308-13	11.5	107
52	Genetic variability of Hong Kong (H3N2) influenza viruses: spontaneous mutations and their location in the viral genome. *Gene*, **1980**, 11, 319-31	3.8	94

51	DNA-protein complex in circular DNA from phage phi-29. *Nature: New Biology*, **1971**, 234, 275-7		94
50	Defective RNA replication and late gene expression in temperature-sensitive influenza viruses expressing deleted forms of the NS1 protein. *Journal of Virology*, **2004**, 78, 3880-8	6.6	89
49	Three-dimensional reconstruction of a recombinant influenza virus ribonucleoprotein particle. *EMBO Reports*, **2001**, 2, 313-7	6.5	78
48	The host-dependent interaction of alpha-importins with influenza PB2 polymerase subunit is required for virus RNA replication. *PLoS ONE*, **2008**, 3, e3904	3.7	77
47	Three-dimensional model for the isolated recombinant influenza virus polymerase heterotrimer. *Nucleic Acids Research*, **2007**, 35, 3774-83	20.1	67
46	The RNA synthesis machinery of negative-stranded RNA viruses. *Virology*, **2015**, 479-480, 532-44	3.6	65
45	The splicing factor proline-glutamine rich (SFPQ/PSF) is involved in influenza virus transcription. *PLoS Pathogens*, **2011**, 7, e1002397	7.6	58
44	Evolution of the influenza virus neuraminidase gene during drift of the N2 subtype. *Virology*, **1983**, 130, 539-45	3.6	56
43	Threonine 157 of influenza virus PA polymerase subunit modulates RNA replication in infectious viruses. *Journal of Virology*, **2003**, 77, 6007-13	6.6	53
42	Molecular cloning and sequencing of influenza virus A/Victoria/3/75 polymerase genes: sequence evolution and prediction of possible functional domains. *Virus Research*, **1989**, 13, 143-55	6.4	53
41	Nuclear transport of influenza virus polymerase PA protein. *Virus Research*, **1992**, 24, 65-75	6.4	51
40	Structure and function of RNA replication. *Annual Review of Microbiology*, **2006**, 60, 305-26	17.5	50
39	pac gene as efficient dominant marker and reporter gene in mammalian cells. *Methods in Enzymology*, **1992**, 216, 376-85	1.7	47
38	Evolution of the nucleotide sequence of influenza virus RNA segment 7 during drift of the H3N2 subtype. *Gene*, **1983**, 23, 233-9	3.8	46
37	Molecular cloning of cDNA from foot-and-mouth disease virus C1-Santa Pau (C-S8). Sequence of protein-VP1-coding segment. *Gene*, **1983**, 23, 185-94	3.8	44
36	Human Staufen1 protein interacts with influenza virus ribonucleoproteins and is required for efficient virus multiplication. *Journal of Virology*, **2010**, 84, 7603-12	6.6	40
35	Oligomerization of the influenza virus polymerase complex in vivo. *Journal of General Virology*, **2008**, 89, 520-524	4.9	40
34	An unbiased genetic screen reveals the polygenic nature of the influenza virus anti-interferon response. *Journal of Virology*, **2014**, 88, 4632-46	6.6	39

33	Mutations in the N-terminal region of influenza virus PB2 protein affect virus RNA replication but not transcription. *Journal of Virology*, **2003**, 77, 5098-108	6.6	39
32	Attenuation and immunogenicity in mice of temperature-sensitive influenza viruses expressing truncated NS1 proteins. *Journal of General Virology*, **2005**, 86, 2817-2821	4.9	38
31	Genetic analysis of influenza virus NS1 gene: a temperature-sensitive mutant shows defective formation of virus particles. *Journal of Virology*, **2005**, 79, 15246-57	6.6	38
30	The synthesis of influenza virus negative-strand RNA takes place in insoluble complexes present in the nuclear matrix fraction. *Virus Research*, **1990**, 16, 325-37	6.4	37
29	Mutation analysis of a recombinant NS replicon shows that influenza virus NS1 protein blocks the splicing and nucleo-cytoplasmic transport of its own viral mRNA. *Nucleic Acids Research*, **2007**, 35, 4573-82	20.1	36
28	Sequence of the viral replicase gene from foot-and-mouth disease virus C1-Santa Pau (C-S8). *Gene*, **1985**, 35, 55-61	3.8	36
27	Structural and functional characterization of an influenza virus RNA polymerase-genomic RNA complex. *Journal of Virology*, **2010**, 84, 10477-87	6.6	35
26	The Cellular Factor NXP2/MORC3 Is a Positive Regulator of Influenza Virus Multiplication. *Journal of Virology*, **2015**, 89, 10023-30	6.6	29
25	Regulation of influenza virus infection by long non-coding RNAs. *Virus Research*, **2016**, 212, 78-84	6.4	26
24	Functional signature for the recognition of specific target mRNAs by human Staufen1 protein. *Nucleic Acids Research*, **2014**, 42, 4516-26	20.1	26
23	Lipid-Based Bio-Nanohybrids for Functional Stabilisation of Influenza Vaccines. *European Journal of Inorganic Chemistry*, **2012**, 2012, 5186-5191	2.3	26
22	Development of an HTS assay for the search of anti-influenza agents targeting the interaction of viral RNA with the NS1 protein. *Journal of Biomolecular Screening*, **2008**, 13, 581-90		24
21	Oriented synthesis and cloning of influenza virus nucleoprotein cDNA that leads to its expression in mammalian cells. *Virus Research*, **1985**, 4, 69-82	6.4	24
20	Biomimetic Architectures for the Impedimetric Discrimination of Influenza Virus Phenotypes. *Advanced Functional Materials*, **2013**, 23, 254-262	15.6	23
19	Influenza virus transcription and replication. *Advances in Virus Research*, **2013**, 87, 113-37	10.7	21
18	Characterization in vitro and in vivo of a pandemic H1N1 influenza virus from a fatal case. *PLoS ONE* , **2013**, 8, e53515	3.7	20
17	Cleavage of p220 by purified poliovirus 2A(pro) in cell-free systems: effects on translation of capped and uncapped mRNAs. *Biochemistry*, **1997**, 36, 7802-9	3.2	20
16	A primer vector system that allows temperature dependent gene amplification and expression in mammalian cells: regulation of the influenza virus NS1 gene expression. *Nucleic Acids Research*, **1985**, 13, 7959-77	20.1	19

15	Structural insights into influenza A virus ribonucleoproteins reveal a processive helical track as transcription mechanism. *Nature Microbiology*, **2020**, 5, 727-734	26.6	18
14	Apoptosis, Toll-like, RIG-I-like and NOD-like Receptors Are Pathways Jointly Induced by Diverse Respiratory Bacterial and Viral Pathogens. *Frontiers in Microbiology*, **2017**, 8, 276	5.7	16
13	Plasmid vectors based on Tn10 DNA: gene expression regulated by tetracycline. *Plasmid*, **1984**, 12, 103-10	3.3	16
12	Chemical Genomics Identifies the PERK-Mediated Unfolded Protein Stress Response as a Cellular Target for Influenza Virus Inhibition. *MBio*, **2016**, 7, e00085-16	7.8	13
11	Human Staufen1 associates to miRNAs involved in neuronal cell differentiation and is required for correct dendritic formation. *PLoS ONE*, **2014**, 9, e113704	3.7	12
10	Kidney histopathological findings in fatal pandemic 2009 influenza A (H1N1). *Intensive Care Medicine*, **2011**, 37, 880-1	14.5	10
9	Transcription of the genome of adenovirus type 12. Viral mRNA in productively infected KB cells. *FEBS Journal*, **1975**, 58, 283-90		9
8	[21] Systems to express recombinant RNA molecules by the influenza A virus polymerase in vivo. *Methods in Molecular Genetics*, **1995**, 7, 329-342		8
7	Regulation of gene amplification and expression in cells that constitutively express a temperature sensitive SV40 T-antigen. *Nucleic Acids Research*, **1985**, 13, 7913-27	20.1	8
6	hCLE/C14orf166, a cellular protein required for viral replication, is incorporated into influenza virus particles. *Scientific Reports*, **2016**, 6, 20744	4.9	7
5	Characterization of an enhanced antigenic change in the pandemic 2009 H1N1 influenza virus haemagglutinin. *Journal of General Virology*, **2014**, 95, 1033-1042	4.9	6
4	Permanent cell lines established from ts-COS cells that regulate by temperature the amplification and expression of cloned genes. *Nucleic Acids Research*, **1987**, 15, 6117-29	20.1	6
3	Generation of replication-proficient influenza virus NS1 point mutants with interferon-hyperinducer phenotype. *PLoS ONE*, **2014**, 9, e98668	3.7	2
2	Viral cell biology: Influenza raids the splicing store. *Nature Microbiology*, **2016**, 1, 16100	26.6	1
1	Unraveling the replication machine from negative-stranded RNA viruses. *Structure*, **2003**, 11, 1194-6	5.2	