

Maria Montoya

List of Publications by Citations

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77
papers

2,914
citations

28
h-index

52
g-index

85
ext. papers

3,553
ext. citations

5
avg, IF

5.16
L-index

#	Paper	IF	Citations
77	Viral infection switches non-plasmacytoid dendritic cells into high interferon producers. <i>Nature</i> , 2003 , 424, 324-8	50.4	501
76	Type I interferons produced by dendritic cells promote their phenotypic and functional activation. <i>Blood</i> , 2002 , 99, 3263-71	2.2	380
75	African swine fever: A re-emerging viral disease threatening the global pig industry. <i>Veterinary Journal</i> , 2018 , 233, 41-48	2.5	187
74	Expression of the beta-glucan receptor, Dectin-1, on murine leukocytes in situ correlates with its function in pathogen recognition and reveals potential roles in leukocyte interactions. <i>Journal of Leukocyte Biology</i> , 2004 , 76, 86-94	6.5	96
73	Virus-like particles: the new frontier of vaccines for animal viral infections. <i>Veterinary Immunology and Immunopathology</i> , 2012 , 148, 211-25	2	93
72	Cytokine profiles and phenotype regulation of antigen presenting cells by genotype-I porcine reproductive and respiratory syndrome virus isolates. <i>Veterinary Research</i> , 2011 , 42, 9	3.8	79
71	European genotype of porcine reproductive and respiratory syndrome (PRRSV) infects monocyte-derived dendritic cells but does not induce Treg cells. <i>Virology</i> , 2010 , 396, 264-71	3.6	79
70	Rapid activation of spleen dendritic cell subsets following lymphocytic choriomeningitis virus infection of mice: analysis of the involvement of type 1 IFN. <i>Journal of Immunology</i> , 2005 , 174, 1851-61	5.3	72
69	Porcine circovirus type 2-induced interleukin-10 modulates recall antigen responses. <i>Journal of General Virology</i> , 2008 , 89, 760-765	4.9	60
68	Experimental infection with H1N1 European swine influenza virus protects pigs from an infection with the 2009 pandemic H1N1 human influenza virus. <i>Veterinary Research</i> , 2010 , 41, 74	3.8	60
67	Interferon-gamma induction correlates with protection by DNA vaccine expressing E2 glycoprotein against classical swine fever virus infection in domestic pigs. <i>Veterinary Microbiology</i> , 2010 , 142, 51-8	3.3	50
66	Different routes and doses influence protection in pigs immunised with the naturally attenuated African swine fever virus isolate OURT88/3. <i>Antiviral Research</i> , 2017 , 138, 1-8	10.8	48
65	Review: influenza virus in pigs. <i>Molecular Immunology</i> , 2013 , 55, 200-11	4.3	47
64	Multiple mechanisms contribute to impairment of type 1 interferon production during chronic lymphocytic choriomeningitis virus infection of mice. <i>Journal of Immunology</i> , 2009 , 182, 7178-89	5.3	46
63	The respiratory DC/macrophage network at steady-state and upon influenza infection in the swine biomedical model. <i>Mucosal Immunology</i> , 2016 , 9, 835-49	9.2	45
62	Porcine circovirus type 2 (PCV2) viral components immunomodulate recall antigen responses. <i>Veterinary Immunology and Immunopathology</i> , 2008 , 124, 41-9	2	45
61	Key Gaps in the Knowledge of the Porcine Respiratory Reproductive Syndrome Virus (PRRSV). <i>Frontiers in Veterinary Science</i> , 2019 , 6, 38	3.1	45

60	Increase in Th17 and T-reg lymphocytes and decrease of IL22 correlate with the recovery phase of acute EAE in rat. <i>PLoS ONE</i> , 2011 , 6, e27473	3.7	42
59	Postnatal persistent infection with classical Swine Fever virus and its immunological implications. <i>PLoS ONE</i> , 2015 , 10, e0125692	3.7	40
58	SARS-CoV-2 Accessory Proteins in Viral Pathogenesis: Knowns and Unknowns. <i>Frontiers in Immunology</i> , 2021 , 12, 708264	8.4	40
57	Immunomodulatory properties of beta-sitosterol in pig immune responses. <i>International Immunopharmacology</i> , 2012 , 13, 316-21	5.8	39
56	An Update on African Swine Fever Virology. <i>Viruses</i> , 2019 , 11,	6.2	38
55	CD4 microglial expression correlates with spontaneous clinical improvement in the acute Lewis rat EAE model. <i>Journal of Neuroimmunology</i> , 2009 , 209, 65-80	3.5	36
54	Characterization of porcine dendritic cell response to <i>Streptococcus suis</i> . <i>Veterinary Research</i> , 2011 , 42, 72	3.8	31
53	Reciprocal immunomodulation in a schistosome and hepatotropic virus coinfection model. <i>Journal of Immunology</i> , 2005 , 175, 6275-85	5.3	31
52	Influence of Age and Dose of African Swine Fever Virus Infections on Clinical Outcome and Blood Parameters in Pigs. <i>Viral Immunology</i> , 2017 , 30, 58-69	1.7	30
51	Chimeric calicivirus-like particles elicit specific immune responses in pigs. <i>Vaccine</i> , 2012 , 30, 2427-39	4.1	30
50	African Swine Fever: Disease Dynamics in Wild Boar Experimentally Infected with ASFV Isolates Belonging to Genotype I and II. <i>Viruses</i> , 2019 , 11,	6.2	28
49	A Pool of Eight Virally Vectored African Swine Fever Antigens Protect Pigs Against Fatal Disease. <i>Vaccines</i> , 2020 , 8,	5.3	27
48	Role of lipopolysaccharide in the induction of type I interferon-dependent cross-priming and IL-10 production in mice by meningococcal outer membrane vesicles. <i>Vaccine</i> , 2009 , 27, 1912-22	4.1	27
47	Analysis of the binding of hepatitis C virus genotype 1a and 1b E2 glycoproteins to peripheral blood mononuclear cell subsets. <i>Journal of General Virology</i> , 2005 , 86, 2507-2512	4.9	26
46	Serum-derived exosomes from non-viremic animals previously exposed to the porcine respiratory and reproductive virus contain antigenic viral proteins. <i>Veterinary Research</i> , 2016 , 47, 59	3.8	25
45	Chimeric calicivirus-like particles elicit protective anti-viral cytotoxic responses without adjuvant. <i>Virology</i> , 2009 , 387, 303-12	3.6	23
44	Characterization in vitro and in vivo of a pandemic H1N1 influenza virus from a fatal case. <i>PLoS ONE</i> , 2013 , 8, e53515	3.7	20
43	Induction of influenza-specific local CD8 T-cells in the respiratory tract after aerosol delivery of vaccine antigen or virus in the Babraham inbred pig. <i>PLoS Pathogens</i> , 2018 , 14, e1007017	7.6	20

42	Altered CD45 isoform expression affects lymphocyte function in CD45 Tg mice. <i>International Immunology</i> , 2004 , 16, 1323-32	4.9	19
41	Targeted-pig trial on safety and immunogenicity of serum-derived extracellular vesicles enriched fractions obtained from Porcine Respiratory and Reproductive virus infections. <i>Scientific Reports</i> , 2018 , 8, 17487	4.9	19
40	Cross-Species Infectivity of H3N8 Influenza Virus in an Experimental Infection in Swine. <i>Journal of Virology</i> , 2015 , 89, 11190-202	6.6	18
39	Absence of Long-Term Protection in Domestic Pigs Immunized with Attenuated African Swine Fever Virus Isolate OURT88/3 or BeninMGF Correlates with Increased Levels of Regulatory T Cells and Interleukin-10. <i>Journal of Virology</i> , 2020 , 94,	6.6	18
38	Heterogeneous pathological outcomes after experimental pH1N1 influenza infection in ferrets correlate with viral replication and host immune responses in the lung. <i>Veterinary Research</i> , 2014 , 45, 85	3.8	18
37	Spleen-Dependent Immune Protection Elicited by CpG Adjuvanted Reticulocyte-Derived Exosomes from Malaria Infection Is Associated with Changes in T cell Subsets Distribution. <i>Frontiers in Cell and Developmental Biology</i> , 2016 , 4, 131	5.7	18
36	Contributions of Farm Animals to Immunology. <i>Frontiers in Veterinary Science</i> , 2018 , 5, 307	3.1	17
35	Differential interactions of virulent and non-virulent H. parasuis strains with naïve or swine influenza virus pre-infected dendritic cells. <i>Veterinary Research</i> , 2012 , 43, 80	3.8	16
34	Interaction of porcine conventional dendritic cells with swine influenza virus. <i>Virology</i> , 2011 , 420, 125-34	3.6	16
33	A role for the transcription factor RelB in IFN-alpha production and in IFN-alpha-stimulated cross-priming. <i>European Journal of Immunology</i> , 2006 , 36, 2085-93	6.1	16
32	Identification of cross-reacting T-cell epitopes in structural and non-structural proteins of swine and pandemic H1N1 influenza A virus strains in pigs. <i>Journal of General Virology</i> , 2017 , 98, 895-899	4.9	16
31	Swine, human or avian influenza viruses differentially activates porcine dendritic cells cytokine profile. <i>Veterinary Immunology and Immunopathology</i> , 2013 , 154, 25-35	2	15
30	Vaccination of rabbits with immunodominant antigens from <i>Sarcoptes scabiei</i> induced high levels of humoral responses and pro-inflammatory cytokines but confers limited protection. <i>Parasites and Vectors</i> , 2016 , 9, 435	4	15
29	Cellular Innate Immunity against PRRSV and Swine Influenza Viruses. <i>Veterinary Sciences</i> , 2019 , 6,	2.4	14
28	Dendrimeric peptides can confer protection against foot-and-mouth disease virus in cattle. <i>PLoS ONE</i> , 2017 , 12, e0185184	3.7	13
27	Immune system cells in healthy ferrets: an immunohistochemical study. <i>Veterinary Pathology</i> , 2014 , 51, 775-86	2.8	13
26	Locally administered prostaglandin E2 prevents aeroallergen-induced airway sensitization in mice through immunomodulatory mechanisms. <i>Pharmacological Research</i> , 2013 , 70, 50-9	10.2	13
25	CD45 is required for type I IFN production by dendritic cells. <i>European Journal of Immunology</i> , 2006 , 36, 2150-8	6.1	13

24	Adverse Childhood Experiences Among Gynecology Patients With Chronic Pelvic Pain. <i>Obstetrics and Gynecology</i> , 2019 , 134, 1087-1095	4.9	12
23	In vivo tracking and immunological properties of pulsed porcine monocyte-derived dendritic cells. <i>Molecular Immunology</i> , 2015 , 63, 343-54	4.3	11
22	Serum-Derived Extracellular Vesicles from African Swine Fever Virus-Infected Pigs Selectively Recruit Viral and Porcine Proteins. <i>Viruses</i> , 2019 , 11,	6.2	10
21	Virus-like particle-based vaccines for animal viral infections. <i>Immunologia (Barcelona, Spain: 1987)</i> , 2013 , 32, 102-116		10
20	Increased numbers of myeloid and lymphoid IL-10 producing cells in spleen of pigs with naturally occurring postweaning multisystemic wasting syndrome. <i>Veterinary Immunology and Immunopathology</i> , 2010 , 136, 305-10	2	10
19	Characterization of secreted and intracellular forms of a truncated hepatitis C virus E2 protein expressed by a recombinant herpes simplex virus. <i>Journal of General Virology</i> , 2003 , 84, 545-554	4.9	10
18	Bovine Derived Cultures Generate Heterogeneous Populations of Antigen Presenting Cells. <i>Frontiers in Immunology</i> , 2019 , 10, 612	8.4	8
17	Genetic characterization of influenza A viruses circulating in pigs and isolated in north-east Spain during the period 2006-2007. <i>Research in Veterinary Science</i> , 2014 , 96, 380-8	2.5	8
16	Rabbit hemorrhagic disease virus capsid, a versatile platform for foreign B-cell epitope display inducing protective humoral immune responses. <i>Scientific Reports</i> , 2016 , 6, 31844	4.9	8
15	Clinical response to pandemic H1N1 influenza virus from a fatal and mild case in ferrets. <i>Virology Journal</i> , 2015 , 12, 48	6.1	7
14	Involvement of the different lung compartments in the pathogenesis of pH1N1 influenza virus infection in ferrets. <i>Veterinary Research</i> , 2016 , 47, 113	3.8	7
13	Haptoglobin serum concentration is a suitable biomarker to assess the efficacy of a feed additive in pigs. <i>Animal</i> , 2010 , 4, 1561-7	3.1	6
12	Balance between activation and regulation of HIV-specific CD8+ T-cell response after modified vaccinia Ankara B therapeutic vaccination. <i>Aids</i> , 2016 , 30, 553-62	3.5	6
11	<i>Brucella canis</i> induces canine CD4 T cells multi-cytokine Th1/Th17 production via dendritic cell activation. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2019 , 62, 68-75	2.6	5
10	Contrasting grapevines grafted into naturalized rootstock suggest scion-driven transcriptomic changes in response to water deficit. <i>Scientia Horticulturae</i> , 2020 , 262, 109031	4.1	5
9	Immune characterization of long pentraxin 3 in pigs infected with influenza virus. <i>Veterinary Microbiology</i> , 2014 , 168, 185-92	3.3	4
8	Pulmonary transcriptomic responses indicate a dual role of inflammation in pneumonia development and viral clearance during 2009 pandemic influenza infection. <i>PeerJ</i> , 2017 , 5, e3915	3.1	4
7	Expression Dynamics of Innate Immunity in Influenza Virus-Infected Swine. <i>Frontiers in Veterinary Science</i> , 2017 , 4, 48	3.1	1

6	Differential Viral-Host Immune Interactions Associated with Oseltamivir-Resistant H275Y and Wild-Type H1N1 A(pdm09) Influenza Virus Pathogenicity. <i>Viruses</i> , 2020 , 12,	6.2	1
5	Exosome-Based Vaccines: Pros and Cons in the World of Animal Health. <i>Viruses</i> , 2021 , 13,	6.2	1
4	Dendritic cells: Nearly 40 years later <i>Inmunologia (Barcelona, Spain: 1987)</i> , 2012 , 31, 49-57		
3	La gripe o la influenza de las estrellas. <i>Inmunologia (Barcelona, Spain: 1987)</i> , 2009 , 28, 46-48		
2	Identification of a Newly Conserved SLA-II Epitope in a Structural Protein of Swine Influenza Virus. <i>Frontiers in Immunology</i> , 2020 , 11, 2083	8.4	
1	Heterogeneous populations from in vitro cultures of antigen presenting cells in pigs. <i>Veterinary Immunology and Immunopathology</i> , 2021 , 234, 110215		2