Javier Dominguez

List of Publications by Year
in descending order

122 papers	3,857 citations	109311 35 h-index	168376 53 g-index
132 all docs	132 docs citations	132 times ranked	2947 citing authors

#	Article	IF	Citations
1	Primary structure of the major allergen of yellow mustard (Sinapis alba L.) seed, Sin a I. FEBS Journal, 1988, 177, 159-166.	0.2	136
2	Expression of porcine CD163 on monocytes/macrophages correlates with permissiveness to African swine fever infection. Archives of Virology, 2003, 148, 2307-2323.	2.1	134
3	Immunosuppression in postweaning multisystemic wasting syndrome affected pigs. Veterinary Microbiology, 2004, 98, 151-158.	1.9	129
4	Analysis of cellular immune response in pigs recovered from porcine respiratory and reproductive syndrome infection. Virus Research, 1999, 64, 33-42.	2.2	106
5	Ontogeny of IgM and IgM-bearing cells in rainbow trout. Developmental and Comparative Immunology, 1993, 17, 419-424.	2.3	95
6	Analysis of the immunological cross reactivities of 213 well characterized monoclonal antibodies with specificities against various leucocyte surface antigens of human and 11 animal species. Veterinary Immunology and Immunopathology, 1998, 64, 1-13.	1.2	86
7	Immunohistochemical characterisation of PCV2 associate lesions in lymphoid and non-lymphoid tissues of pigs with natural postweaning multisystemic wasting syndrome (PMWS). Veterinary Immunology and Immunopathology, 2003, 94, 63-75.	1.2	83
8	Porcine reproductive and respiratory syndrome (PRRS) virus down-modulates TNF-Î± production in infected macrophages. Virus Research, 2000, 69, 41-46.	2.2	81
9	Changes in peripheral blood leukocyte populations in pigs with natural postweaning multisystemic wasting syndrome (PMWS). Veterinary Immunology and Immunopathology, 2001, 81, 37-44.	1.2	76
10	Phenotypic and functional heterogeneity of porcine blood monocytes and its relation with maturation. Immunology, 2005, 114, 63-71.	4.4	76
11	Live attenuated African swine fever viruses as ideal tools to dissect the mechanisms involved in viral pathogenesis and immune protection. Veterinary Research, 2015, 46, 135.	3.0	74
12	Porcine myelomonocytic markers and cell populations. Developmental and Comparative Immunology, 2009, 33, 284-298.	2.3	73
13	Overview of the First International Workshop to Define Swine Leukocyte Cluster of Differentiation (CD) Antigens. Veterinary Immunology and Immunopathology, 1994, 43, 193-206.	1.2	71
14	African swine fever virus infects macrophages, the natural host cells, via clathrin- and cholesterol-dependent endocytosis. Virus Research, 2015, 200, 45-55.	2.2	69
15	A porcine cell surface receptor identified by monoclonal antibodies to SWC3 is a member of the signal regulatory protein family and associates with protein-tyrosine phosphatase SHP-1. Tissue Antigens, 2000, 55, 342-351.	1.0	68
16	Isolation and characterization of immortalized porcine aortic endothelial cell lines. Veterinary Immunology and Immunopathology, 2002, 89, 91-98.	1.2	54
17	Porcine circovirus type 2 (PCV2) viral components immunomodulate recall antigen responses. Veterinary Immunology and Immunopathology, 2008, 124, 41-49.	1.2	54
18	Occupational asthma caused by cellulase. Journal of Allergy and Clinical Immunology, 1986, 77, 635-639.	2.9	50

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19	Epitope mapping of the major allergen from yellow mustard seeds, Sin a I. Molecular Immunology, 1990, 27, 143-150.	2.2	50
20	Analyses of mAb reactive with porcine CD8. Veterinary Immunology and Immunopathology, 1994, 43, 249-254.	1.2	46
21	Monoclonal antibodies to turbot (Scophthalmus maximus) immunoglobulins: characterization and applicability in immunoassays. Veterinary Immunology and Immunopathology, 1994, 41, 353-366.	1.2	45
22	Trout immunoglobulin populations differing in light chains revealed by monoclonal antibodies. Molecular Immunology, 1991, 28, 1271-1277.	2.2	43
23	Changes in Macrophage Phenotype after Infection of Pigs with Haemophilus parasuis Strains with Different Levels of Virulence. Infection and Immunity, 2013, 81, 2327-2333.	2.2	41
24	Detection of African horsesickness virus in infected spleens by a sandwich ELISA using two monoclonal antibodies specific for VP7. Journal of Virological Methods, 1992, 38, 229-242.	2.1	40
25	Asthma caused by African maple () wood dust. Journal of Allergy and Clinical Immunology, 1984, 74, 782-786.	2.9	39
26	Immunoglobulin heterogeneity in the rainbow trout, Salmo gairdneri Richardson. Journal of Fish Diseases, 1989, 12, 459-465.	1.9	39
27	Green fluorescent protein expressed by a recombinant vaccinia virus permits early detection of infected cells by flow cytometry. Journal of Immunological Methods, 1998, 220, 115-121.	1.4	39
28	In vitro differentiation of porcine blood CD163â^' and CD163+ monocytes into functional dendritic cells. Immunobiology, 2004, 209, 57-65.	1.9	39
29	Phenotypic Characterization of Monocyte Subpopulations in the Pig. Immunobiology, 2000, 202, 82-93.	1.9	38
30	Phenotypic characterization of porcine IFN-Î³-producing lymphocytes by flow cytometry. Journal of Immunological Methods, 2002, 259, 171-179.	1.4	38
31	Monoclonal antibodies specific for porcine monocytes/macrophages: macrophage heterogeneity in the pig evidenced by the expression of surface antigens. Tissue Antigens, 1997, 49, 403-413.	1.0	37
32	Double Labeling Immunohistological Study of African Swine Fever Virus-infected Spleen and Lymph Nodes. Veterinary Pathology, 1988, 25, 193-198.	1.7	36
33	Report on the analyses of mAb reactive with porcine CD8 for the second international swine CD workshop. Veterinary Immunology and Immunopathology, 1998, 60, 291-303.	1.2	36
34	Monoclonal antibodies against the structural proteins of viral haemorrhagic septicaemia virus isolates. Journal of Fish Diseases, 1993, 16, 53-63.	1.9	34
35	Characterisation of monoclonal antibodies against heavy and light chains of trout immunoglobulin. Fish and Shellfish Immunology, 1993, 3, 237-251.	3.6	34
36	African swine fever virus-specific cytotoxic T lymphocytes recognize the 32 kDa immediate early protein (vp32). Virus Research, 1997, 49, 123-130.	2.2	34

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37	Porcine monocyte subsets differ in the expression of CCR2 and in their responsiveness to CCL2. Veterinary Research, 2010, 41, 76.	3.0	34
38	Expression of toll-like receptor 2 (TLR2) in porcine leukocyte subsets and tissues. Veterinary Research, 2008, 39, 13.	3.0	34
39	Use of monoclonal antibodies for detection of infectious pancreatic necrosis virus by the enzyme-linked immunosorbent assay (ELISA). Diseases of Aquatic Organisms, 1990, 8, 157-163.	1.0	34
40	Occupational asthma caused by African maple (Obeche) and Ramin: evidence of cross reactivity between these two woods. Clinical and Experimental Allergy, 1986, 16, 145-153.	2.9	32
41	Quantification of low levels of rainbow trout immunoglobulin by enzyme immunoassay using two monoclonal antibodies. Veterinary Immunology and Immunopathology, 1993, 36, 65-74.	1.2	32
42	Targeting to porcine sialoadhesin receptor receptor improves antigen presentation to T cells. Veterinary Research, 2009, 40, 14.	3.0	32
43	Immunohistological study of the immune system cells in paraffin-embedded tissues of conventional pigs. Veterinary Immunology and Immunopathology, 2001, 82, 245-255.	1.2	31
44	Delivery of antigen to sialoadhesin or CD163 improves the specific immune response in pigs. Vaccine, 2011, 29, 4813-4820.	3.8	30
45	Summary of workshop findings for porcine T-lymphocyte antigens. Veterinary Immunology and Immunopathology, 1994, 43, 219-228.	1.2	29
46	Analysis of T lymphocyte subsets proliferating in response to infective and UV-inactivated African swine fever viruses. Veterinary Microbiology, 1992, 33, 117-127.	1.9	28
47	Monoclonal antibody recognizes the Î± chain of a porcine Î²2 integrin involved in adhesion and complement mediated phagocytosis. Journal of Immunological Methods, 1996, 195, 125-134.	1.4	28
48	Analyses of monoclonal antibodies reactive with porcine CD6. Veterinary Immunology and Immunopathology, 1994, 43, 243-247.	1.2	27
49	Characterization of five monoclonal antibodies specific for swine class II major histocompatibility antigens and crossreactivity studies with leukocytes of domestic animals. Developmental and Comparative Immunology, 1997, 21, 311-322.	2.3	27
50	Molecular cloning, characterization and tissue expression of porcine Toll-like receptor 4. Developmental and Comparative Immunology, 2006, 30, 345-355.	2.3	26
51	Evaluation of an enzyme-linked immunosorbent assay to detect specific antibodies in pigs infested with the tick Ornithodoros erraticus (Argasidae). Veterinary Parasitology, 1990, 37, 145-153.	1.8	25
52	The Second International Swine CD Workshop. Veterinary Immunology and Immunopathology, 1996, 54, 155-158.	1.2	25
53	One-step purification of the major rainbow trout immunoglobulin. Veterinary Immunology and Immunopathology, 1991, 27, 383-391.	1.2	24
54	Two different subpopulations of Ig-bearing cells in lymphoid organs of rainbow trout. Developmental and Comparative Immunology, 1995, 19, 79-86.	2.3	24

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55	Analysis of monoclonal antibodies reactive with the porcine CD4 antigen. Veterinary Immunology and Immunopathology, 1994, 43, 233-236.	1.2	23
56	Analysis of mAb reactive with the porcine SWC1. Veterinary Immunology and Immunopathology, 1994, 43, 255-258.	1.2	23
57	A DNA vaccine encoding foot-and-mouth disease virus B and T-cell epitopes targeted to class II swine leukocyte antigens protects pigs against viral challenge. Antiviral Research, 2011, 92, 359-363.	4.1	23
58	Antigen targeting to APC: From mice to veterinary species. Developmental and Comparative Immunology, 2013, 41, 153-163.	2.3	23
59	Synthetic RNAs Mimicking Structural Domains in the Foot-and-Mouth Disease Virus Genome Elicit a Broad Innate Immune Response in Porcine Cells Triggered by RIG-I and TLR Activation. Viruses, 2015, 7, 3954-3973.	3.3	22
60	Monoclonal antibodies to a high molecular weight isoform of porcine CD45: biochemical and tissue distribution analyses. Veterinary Immunology and Immunopathology, 1997, 56, 151-162.	1.2	21
61	Workshop studies with monoclonal antibodies identifying a novel porcine differentiation antigen, SWC9. Veterinary Immunology and Immunopathology, 1998, 60, 343-349.	1.2	21
62	Porcine mononuclear phagocyte subpopulations in the lung, blood and bone marrow: dynamics during inflammation induced by<i>Actinobacillus pleuropneumoniae</i>. Veterinary Research, 2010, 41, 64.	3.0	21
63	African swine fever virus infection in Classical swine fever subclinically infected wild boars. BMC Veterinary Research, 2017, 13, 227.	1.9	20
64	Swine, human or avian influenza viruses differentially activates porcine dendritic cells cytokine profile. Veterinary Immunology and Immunopathology, 2013, 154, 25-35.	1.2	19
65	Phenotypic and functional heterogeneity of CD169+ and CD163+ macrophages from porcine lymph nodes and spleen. Developmental and Comparative Immunology, 2014, 44, 44-49.	2.3	19
66	Localization of African swine fever viral antigen, swine IgM, IgG and C1q in lung and liver tissues of experimentally infected pigs. Journal of Comparative Pathology, 1992, 107, 81-90.	0.4	18
67	Identification of porcine macrophages with monoclonal antibodies in formalin-fixed, paraffin-embedded tissues. Veterinary Immunology and Immunopathology, 2003, 94, 77-81.	1.2	18
68	Characterisation of porcine bone marrow progenitor cells identified by the anti-c-kit (CD117) monoclonal antibody 2B8/BM. Journal of Immunological Methods, 2007, 321, 70-79.	1.4	18
69	Differential interactions of virulent and non-virulent H. parasuis strains with naÃ¯ve or swine influenza virus pre-infected dendritic cells. Veterinary Research, 2012, 43, 80.	3.0	18
70	Blocking porcine sialoadhesin improves extracorporeal porcine liver xenoperfusion with human blood. Xenotransplantation, 2013, 20, 239-251.	2.8	18
71	Identification of Promiscuous African Swine Fever Virus T-Cell Determinants Using a Multiple Technical Approach. Vaccines, 2021, 9, 29.	4.4	18
72	Analyses of monoclonal antibodies reactive with porcine CD5. Veterinary Immunology and Immunopathology, 1994, 43, 237-242.	1.2	17

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73	Analysis of functional heterogeneity of porcine memory CD4+ T cells. Developmental and Comparative Immunology, 2005, 29, 479-488.	2.3	17
74	Phenotypic and functional characterization of porcine granulocyte developmental stages using two new markers. Developmental and Comparative Immunology, 2007, 31, 296-306.	2.3	16
75	Interaction of porcine conventional dendritic cells with swine influenza virus. Virology, 2011, 420, 125-134.	2.4	16
76	Analysis of chemokine receptor CCR7 expression on porcine blood T lymphocytes using a CCL19-Fc fusion protein. Developmental and Comparative Immunology, 2013, 39, 207-213.	2.3	16
77	Cloning and expression of porcine CD163: its use for characterization of monoclonal antibodies to porcine CD163 and development of an ELISA to measure soluble CD163 in biological fluids. Spanish Journal of Agricultural Research, 2008, 6, 59.	0.6	16
78	Reverse Enzyme Immunoassay for the Determination of <i>Lolium perenne </i>IgE Antibodies. International Archives of Allergy and Immunology, 1983, 72, 184-187.	2.1	15
79	Epitope mapping of 10 monoclonal antibodies against the pig analogue of human membrane cofactor protein (MCP). Immunology, 1999, 96, 663-670.	4.4	15
80	Molecular and functional characterization of porcine LFA-1 using monoclonal antibodies to CD11a and CD18. Xenotransplantation, 2000, 7, 258-266.	2.8	15
81	Characterization of Interstitial Nephritis in Pigs with Naturally Occurring Postweaning Multisystemic Wasting Syndrome. Veterinary Pathology, 2008, 45, 12-18.	1.7	15
82	Molecular characterization of porcine Siglec-10 and analysis of its expression in blood and tissues. Developmental and Comparative Immunology, 2015, 48, 116-123.	2.3	15
83	Immunoprecipitation studies of monoclonal antibodies submitted to the Second International Swine CD Workshop. Veterinary Immunology and Immunopathology, 1998, 60, 229-236.	1.2	14
84	DNA immunization of pigs with foot-and-mouth disease virus minigenes: From partial protection to disease exacerbation. Virus Research, 2011, 157, 121-125.	2.2	14
85	2E3, a new marker that selectively identifies porcine CD4+ naive T cells. Developmental and Comparative Immunology, 2004, 28, 239-250.	2.3	13
86	Increased numbers of myeloid and lymphoid IL-10 producing cells in spleen of pigs with naturally occurring postweaning multisystemic wasting syndrome. Veterinary Immunology and Immunopathology, 2010, 136, 305-310.	1.2	13
87	EGG Hypersensitivity as Measured by RAST and a Reverse Enzyme-Immunoassay. Allergy: European Journal of Allergy and Clinical Immunology, 1984, 39, 529-533.	5.7	12
88	Molecular and functional characterization of porcine Siglec-3/CD33 and analysis of its expression in blood and tissues. Developmental and Comparative Immunology, 2015, 51, 238-250.	2.3	12
89	Rapid serotyping of infectious pancreatic necrosis virus by one-step enzyme-linked immunosorbent assay using monoclonal antibodies. Journal of Virological Methods, 1991, 31, 93-103.	2.1	11
90	Analysis of monoclonal antibodies reactive with the porcine CD2 antigen. Veterinary Immunology and Immunopathology, 1994, 43, 229-232.	1.2	11

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91	Immunomodulatory effect of swine CCL20 chemokine in DNA vaccination against CSFV. Veterinary Immunology and Immunopathology, 2011, 142, 243-251.	1.2	11
92	Immunization with DNA Vaccines Containing Porcine Reproductive and Respiratory Syndrome Virus Open Reading Frames 5, 6, and 7 May Be Related to the Exacerbation of Clinical Disease after an Experimental Challenge. Viral Immunology, 2013, 26, 93-101.	1.3	11
93	Molecular cloning characterization and expression of porcine immunoreceptor SIRPÎ±. Developmental and Comparative Immunology, 2007, 31, 307-318.	2.3	10
94	TLR2, Siglec-3 and CD163 expressions on porcine peripheral blood monocytes are increased during sepsis caused by Haemophilus parasuis. Comparative Immunology, Microbiology and Infectious Diseases, 2019, 64, 31-39.	1.6	10
95	Applications of monoclonal antibodies in aquaculture. Biotechnology Advances, 1995, 13, 45-73.	11.7	9
96	Identification of an Immunosuppressive Cell Population during Classical Swine Fever Virus Infection and Its Role in Viral Persistence in the Host. Viruses, 2019, 11, 822.	3.3	9
97	Impact of PRRSV strains of different in vivo virulence on the macrophage population of the thymus. Veterinary Microbiology, 2019, 232, 137-145.	1.9	9
98	In vitro effect of classical swine fever virus on a porcine aortic endothelial cell line. Veterinary Research, 2004, 35, 625-633.	3.0	9
99	Characterization of the Porcine CLEC12A and Analysis of Its Expression on Blood Dendritic Cell Subsets. Frontiers in Immunology, 2020, 11, 863.	4.8	8
100	Swine T-Cells and Specific Antibodies Evoked by Peptide Dendrimers Displaying Different FMDV T-Cell Epitopes. Frontiers in Immunology, 2020, 11, 621537.	4.8	8
101	Inhibition of IL-2R and SLA class II expression on stimulated lymphocytes by a suppressor activity found in homogenates of African swine fever virus infected cultures. Archives of Virology, 1995, 140, 1075-1085.	2.1	7
102	Phenotypic characterisation of the monocyte subpopulations in healthy adult pigs and Salmonella-infected piglets by seven-colour flow cytometry. Research in Veterinary Science, 2013, 94, 240-245.	1.9	7
103	Molecular characterization and expression of porcine Siglec-5. Developmental and Comparative Immunology, 2014, 44, 206-216.	2.3	7
104	Splenic CD163+ macrophages as targets of porcine reproductive and respiratory virus: Role of Siglecs. Veterinary Microbiology, 2017, 198, 72-80.	1.9	7
105	Differential expression of chemokine receptors and CD95 in porcine CD4+ T cell subsets. Veterinary Immunology and Immunopathology, 2005, 106, 295-301.	1.2	6
106	Phenotypic and functional characterization of porcine bone marrow monocyte subsets. Developmental and Comparative Immunology, 2018, 81, 95-104.	2.3	6
107	Monoclonal antibodies 2F6/8 and 2A10/8 recognize a porcine antigen (SWC7) expressed on B cells and activated T cells. Journal of Immunological Methods, 1999, 222, 1-11.	1.4	5
108	Analysis of the expression of porcine CD200R1 and CD200R1L by using newly developed monoclonal antibodies. Developmental and Comparative Immunology, 2019, 100, 103417.	2.3	5

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109	Kinetics of the expression of CD163 and CD107a in the lung and tonsil of pigs after infection with PRRSV-1 strains of different virulence. Veterinary Research Communications, 2019, 43, 187-195.	1.6	5
110	Porcine CLEC12B is expressed on alveolar macrophages and blood dendritic cells. Developmental and Comparative Immunology, 2020, 111, 103767.	2.3	5
111	Analyses of monoclonal antibodies reacting with porcine wCD6: Results from the Second International Swine CD workshop. Veterinary Immunology and Immunopathology, 1998, 60, 285-289.	1.2	4
112	Protein-a binding characteristics of rainbow trout (Oncorhynchus mykiss) immunoglobulins. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1993, 106, 173-180.	0.2	3
113	Induction of aggregation in porcine lymphoid cells by antibodies to CD46. Veterinary Immunology and Immunopathology, 2000, 73, 73-81.	1.2	3
114	Interaction of PRRS virus with bone marrow monocyte subsets. Veterinary Microbiology, 2018, 219, 123-127.	1.9	3
115	Expression of TLR4 in swine as assessed by a newly developed monoclonal antibody. Veterinary Immunology and Immunopathology, 2013, 153, 134-139.	1.2	2
116	Quantifying by monoclonal antibodies of specific IgG, IgM and IgA in the serum of minipigs experimentally infected with Actinobacillus pleuropneumoniae. Research in Veterinary Science, 1992, 53, 254-256.	1.9	1
117	A New Epitope on Swine CD5 Molecule Detected by Monoclonal Antibody 5F12/9. Hybridoma, 2003, 22, 179-182.	0.4	1
118	CD200R1 and CD200R1L expression is regulated during B cell development in swine and modulates the Ig production in response to the TLR7 ligand imiquimoid. PLoS ONE, 2021, 16, e0251187.	2.5	1
119	CD200R family receptors are expressed on porcine monocytes and modulate the production of IL-8 and TNF-Î± triggered by TLR4 or TLR7 in these cells. Molecular Immunology, 2022, 144, 166-177.	2.2	1
120	CD9 expression in porcine blood CD4+ T cells delineates two subsets with phenotypic characteristics of central and effector memory cells. Developmental and Comparative Immunology, 2022, 133, 104431.	2.3	1
121	Expression of CLEC4A in porcine tissues and leukocyte populations and characterization of mRNA splice variants. Molecular Immunology, 2021, 132, 157-164.	2.2	0
122	Characterization of a novel activation antigen on porcine lymphocytes recognized by monoclonal antibody 5A6/8. Veterinary Research, 2004, 35, 339-348.	3.0	0