Lorenzo JosÃ© Fraile

List of Publications by Year
in descending order

120 papers	3,762 citations	201674 27 h-index	144013 57 g-index
124 all docs	124 docs citations	124 times ranked	5412 citing authors

#	Article	IF	Citations
1	Applying extracellular vesicles based therapeutics in clinical trials â€“ an ISEV position paper. Journal of Extracellular Vesicles, 2015, 4, 30087.	12.2	1,020
2	A proposal on porcine circovirus type 2 (PCV2) genotype definition and their relation with postweaning multisystemic wasting syndrome (PMWS) occurrence. Veterinary Microbiology, 2008, 128, 23-35.	1.9	156
3	Antimicrobial resistance of zoonotic and commensal bacteria in Europe: The missing link between consumption and resistance in veterinary medicine. Veterinary Microbiology, 2014, 170, 1-9.	1.9	144
4	Recent advances in the epidemiology, diagnosis and control of diseases caused by porcine circovirus type 2. Veterinary Journal, 2011, 187, 23-32.	1.7	121
5	Risk factors associated with pleuritis and cranio-ventral pulmonary consolidation in slaughter-aged pigs. Veterinary Journal, 2010, 184, 326-333.	1.7	107
6	Infection, excretion and seroconversion dynamics of porcine circovirus type 2 (PCV2) in pigs from post-weaning multisystemic wasting syndrome (PMWS) affected farms in Spain and Denmark. Veterinary Microbiology, 2009, 135, 272-282.	1.9	95
7	Key Gaps in the Knowledge of the Porcine Respiratory Reproductive Syndrome Virus (PRRSV). Frontiers in Veterinary Science, 2019, 6, 38.	2.2	88
8	European genotype of porcine reproductive and respiratory syndrome (PRRSV) infects monocyte-derived dendritic cells but does not induce Treg cells. Virology, 2010, 396, 264-271.	2.4	83
9	Experimental infection with H1N1 European swine influenza virus protects pigs from an infection with the 2009 pandemic H1N1 human influenza virus. Veterinary Research, 2010, 41, 74.	3.0	71
10	Immunomodulatory properties of Beta-sitosterol in pig immune responses. International Immunopharmacology, 2012, 13, 316-321.	3.8	69
11	A genetically engineered chimeric vaccine against porcine circovirus type 2 (PCV2) improves clinical, pathological and virological outcomes in postweaning multisystemic wasting syndrome affected farms. Vaccine, 2009, 27, 7313-7321.	3.8	66
12	Inactivated PCV2 one shot vaccine applied in 3-week-old piglets: Improvement of production parameters and interaction with maternally derived immunity. Vaccine, 2012, 30, 1986-1992.	3.8	66
13	Postnatal Persistent Infection with Classical Swine Fever Virus and Its Immunological Implications. PLoS ONE, 2015, 10, e0125692.	2.5	61
14	Review: Influenza virus in pigs. Molecular Immunology, 2013, 55, 200-211.	2.2	58
15	Piglet nasal microbiota at weaning may influence the development of GlÃsserâ€™s disease during the rearing period. BMC Genomics, 2016, 17, 404.	2.8	56
16	Assessment of Mycoplasma hyopneumoniae-induced Pneumonia using Different Lung Lesion Scoring Systems: a Comparative Review. Journal of Comparative Pathology, 2016, 154, 125-134.	0.4	51
17	Correlation between clinico-pathological outcome and typing of Haemophilus parasuis field strains. Veterinary Microbiology, 2010, 142, 387-393.	1.9	50
18	Effect of sow and piglet porcine circovirus type 2 (PCV2) vaccination on piglet mortality, viraemia, antibody titre and production parameters. Veterinary Microbiology, 2012, 161, 229-234.	1.9	50

#	Article	IF	Citations
19	Sow porcine circovirus type 2 (PCV2) status effect on litter mortality in postweaning multisystemic wasting syndrome (PMWS). Research in Veterinary Science, 2007, 82, 299-304.	1.9	48
20	Partial protection against classical swine fever virus elicited by dendrimeric vaccine-candidate peptides in domestic pigs. Vaccine, 2011, 29, 4422-4429.	3.8	45
21	Serum-derived exosomes from non-viremic animals previously exposed to the porcine respiratory and reproductive virus contain antigenic viral proteins. Veterinary Research, 2016, 47, 59.	3.0	42
22	Comparison of four lung scoring systems for the assessment of the pathological outcomes derived from Actinobacillus pleuropneumoniae experimental infections. BMC Veterinary Research, 2014, 10, 165.	1.9	40
23	The impact of CSFV on the immune response to control infection. Virus Research, 2014, 185, 82-91.	2.2	38
24	Pig-major acute phase protein and haptoglobin serum concentrations correlate with PCV2 viremia and the clinical course of postweaning multisystemic wasting syndrome. Veterinary Microbiology, 2009, 138, 53-61.	1.9	37
25	Chimeric calicivirus-like particles elicit specific immune responses in pigs. Vaccine, 2012, 30, 2427-2439.	3.8	36
26	Biochemical and proteomic analyses of the physiological response induced by individual housing in gilts provide new potential stress markers. BMC Veterinary Research, 2016, 12, 265.	1.9	35
27	Digestive microbiota is different in pigs receiving antimicrobials or a feed additive during the nursery period. PLoS ONE, 2018, 13, e0197353.	2.5	32
28	Hepatitis E Virus Entry. Viruses, 2019, 11, 883.	3.3	32
29	Impact of the Use of Î²-Lactam Antimicrobials on the Emergence of Escherichia coli Isolates Resistant to Cephalosporins under Standard Pig-Rearing Conditions. Applied and Environmental Microbiology, 2015, 81, 1782-1787.	3.1	29
30	Cellular Innate Immunity against PRRSV and Swine Influenza Viruses. Veterinary Sciences, 2019, 6, 26.	1.7	29
31	Production parameters and pig production cost: temporal evolution 2010â€“2014. Porcine Health Management, 2016, 2, 11.	2.6	28
32	Multidrug resistant Salmonella enterica isolated from conventional pig farms using antimicrobial agents in preventative medicine programmes. Veterinary Journal, 2018, 234, 36-42.	1.7	27
33	Simultaneous determination of verapamil and norverapamil in biological samples by high-performance liquid chromatography using ultraviolet detection. Biomedical Applications, 1997, 693, 377-382.	1.7	26
34	Chimeric calicivirus-like particles elicit protective anti-viral cytotoxic responses without adjuvant. Virology, 2009, 387, 303-312.	2.4	26
35	Targeted-pig trial on safety and immunogenicity of serum-derived extracellular vesicles enriched fractions obtained from Porcine Respiratory and Reproductive virus infections. Scientific Reports, 2018, 8, 17487.	3.3	26
36	A WUR SNP is associated with European Porcine Reproductive and Respiratory Virus Syndrome resistance and growth performance in pigs. Research in Veterinary Science, 2016, 104, 117-122.	1.9	25

#	Article	IF	Citations
37	Colostrum and milk pasteurization improve health status and decrease mortality in neonatal calves receiving appropriate colostrum ingestion. Journal of Dairy Science, 2016, 99, 4718-4725.	3.4	25
38	Comparison of two treatment strategies for cows with metritis in high-risk lactating dairy cows. Theriogenology, 2015, 83, 1344-1351.	2.1	24
39	Cross-Species Infectivity of H3N8 Influenza Virus in an Experimental Infection in Swine. Journal of Virology, 2015, 89, 11190-11202.	3.4	24
40	Effect of high and low levels of maternally derived antibodies on porcine circovirus type 2 (PCV2) infection dynamics and production parameters in PCV2 vaccinated pigs under field conditions. Vaccine, 2016, 34, 3044-3050.	3.8	24
41	A T-cell epitope on NS3 non-structural protein enhances the B and T cell responses elicited by dendrimeric constructions against CSFV in domestic pigs. Veterinary Immunology and Immunopathology, 2012, 150, 36-46.	1.2	23
42	Descriptive study for culling and mortality in five high-producing Spanish dairy cattle farms (2006â€“2016). Acta Veterinaria Scandinavica, 2018, 60, 45.	1.6	23
43	Pharmacokinetic/pharmacodynamic evaluation of marbofloxacin in the treatment of Haemophilus parasuis and Actinobacillus pleuropneumoniae infections in nursery and fattener pigs using Monte Carlo simulations. Journal of Veterinary Pharmacology and Therapeutics, 2014, 37, 542-549.	1.3	21
44	Antimicrobial Susceptibility Pattern of Porcine Respiratory Bacteria in Spain. Antibiotics, 2020, 9, 402.	3.7	21
45	African swine fever virus infection in Classical swine fever subclinically infected wild boars. BMC Veterinary Research, 2017, 13, 227.	1.9	20
46	Swine, human or avian influenza viruses differentially activates porcine dendritic cells cytokine profile. Veterinary Immunology and Immunopathology, 2013, 154, 25-35.	1.2	19
47	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
48	Serum acute phase proteins as biomarkers of pleuritis and cranio-ventral pulmonary consolidation in slaughter-aged pigs. Research in Veterinary Science, 2011, 91, 52-57.	1.9	17
49	Shedding of cephalosporin resistant Escherichia coli in pigs from conventional farms after early treatment with antimicrobials. Veterinary Journal, 2016, 211, 21-25.	1.7	17
50	Serum-Derived Extracellular Vesicles from African Swine Fever Virus-Infected Pigs Selectively Recruit Viral and Porcine Proteins. Viruses, 2019, 11, 882.	3.3	17
51	Interaction of porcine conventional dendritic cells with swine influenza virus. Virology, 2011, 420, 125-134.	2.4	16
52	Effect of Porcine circovirus 2 (PCV-2) maternally derived antibodies on performance and PCV-2 viremia in vaccinated piglets under field conditions. Porcine Health Management, 2019, 5, 21.	2.6	16
53	Limited capacity of neonatal rabbits to eliminate enrofloxacin and ciprofloxacin. Veterinary Quarterly, 1997, 19, 162-167.	6.7	15
54	Potential use of local and systemic humoral immune response parameters to forecast Mycoplasma hyopneumoniae associated lung lesions. PLoS ONE, 2017, 12, e0175034.	2.5	15

#	Article	IF	Citations
55	Expression profiling of the <scp>GBP</scp>1 gene as a candidate gene for porcine reproductive and respiratory syndrome resistance. Animal Genetics, 2015, 46, 599-606.	1.7	14
56	Identification of resilient sows in porcine reproductive and respiratory syndrome virusâ€“infected farms1. Journal of Animal Science, 2019, 97, 3228-3236.	0.5	14
57	Infectious risk factors for individual postweaning multisystemic wasting syndrome (PMWS) development in pigs from affected farms in Spain and Denmark. Research in Veterinary Science, 2012, 93, 1231-1240.	1.9	13
58	In vivo tracking and immunological properties of pulsed porcine monocyte-derived dendritic cells. Molecular Immunology, 2015, 63, 343-354.	2.2	13
59	Genetic characterization of influenza A viruses circulating in pigs and isolated in north-east Spain during the period 2006â€“2007. Research in Veterinary Science, 2014, 96, 380-388.	1.9	12
60	Exosome-Based Vaccines: Pros and Cons in the World of Animal Health. Viruses, 2021, 13, 1499.	3.3	12
61	Deacetylation of diltiazem by several rabbit tissues. Pharmaceutical Research, 1996, 13, 1875-1880.	3.5	11
62	Immunomodulatory effect of swine CCL20 chemokine in DNA vaccination against CSFV. Veterinary Immunology and Immunopathology, 2011, 142, 243-251.	1.2	11
63	Humoral response and colostral antibody transfer following â€˜one-doseâ€™ pre-mating vaccination of sows against porcine circovirus type-2. Veterinary Journal, 2013, 197, 881-883.	1.7	11
64	Antimicrobial Resistance Genes in Porcine Pasteurella multocida Are Not Associated with Its Antimicrobial Susceptibility Pattern. Antibiotics, 2020, 9, 614.	3.7	11
65	Modeling of Vaccination and Contact Tracing as Tools to Control the COVID-19 Outbreak in Spain. Vaccines, 2021, 9, 386.	4.4	11
66	Validation of an immunoturbidimetric method for determination of porcine serum C-reactive protein. Research in Veterinary Science, 2010, 89, 159-162.	1.9	10
67	Comparison of the immunoperoxidase monolayer assay and three commercial ELISAs for detection of antibodies against porcine circovirus type 2. Veterinary Journal, 2014, 201, 429-432.	1.7	10
68	Pharmacokinetics of tildipirosin in pig tonsils. Journal of Veterinary Pharmacology and Therapeutics, 2016, 39, 199-201.	1.3	10
69	Altered Nasal Microbiota Composition Associated with Development of Polyserositis by Mycoplasma hyorhinis. Pathogens, 2021, 10, 603.	2.8	10
70	Haptoglobin serum concentration is a suitable biomarker to assess the efficacy of a feed additive in pigs. Animal, 2010, 4, 1561-1567.	3.3	9
71	Effect of marbofloxacin on Haemophilus parasuis nasal carriage. Veterinary Microbiology, 2012, 159, 123-129.	1.9	9
72	Lack of effect of piglet vaccination against Porcine circovirus type 2 (PCV2) on serum viral loads of Torque teno sus virus 2 (TTSuV2). Veterinary Microbiology, 2012, 157, 8-12.	1.9	9

#	Article	IF	Citations
73	A bivalent dendrimeric peptide bearing a T-cell epitope from foot-and-mouth disease virus protein 3A improves humoral response against classical swine fever virus. Virus Research, 2017, 238, 8-12.	2.2	9
74	Genetic Markers Associated with Field PRRSV-Induced Abortion Rates. Viruses, 2019, 11, 706.	3.3	9
75	Clinical response to pandemic h1n1 influenza virus from a fatal and mild case in ferrets. Virology Journal, 2015, 12, 48.	3.4	8
76	Studies on a suitable antibiotic therapy for treating swine brucellosis. Journal of Veterinary Pharmacology and Therapeutics, 2015, 38, 357-364.	1.3	8
77	Salmonella Infection in Mesenteric Lymph Nodes of Breeding Sows. Foodborne Pathogens and Disease, 2020, 17, 411-417.	1.8	8
78	Feeding Calves with Pasteurized Colostrum and Milk Has a Positive Long-Term Effect on Their Productive Performance. Animals, 2020, 10, 1494.	2.3	8
79	A common method for the determination of several calcium channel blockers using an HPLC system with ultraviolet detection. Talanta, 1998, 47, 1245-1254.	5.5	7
80	Improving the management procedures in farms infected with the Porcine Reproductive and Respiratory Syndrome virus using PDP models. Scientific Reports, 2019, 9, 9959.	3.3	7
81	Resilience Effects of SGK1 and TAP1 DNA Markers during PRRSV Outbreaks in Reproductive Sows. Animals, 2020, 10, 902.	2.3	7
82	Comparison of the pharmacokinetics of verapamil in the pregnant and non-pregnant rabbit: study of maternal and foetal tissue levels. Xenobiotica, 2000, 30, 93-102.	1.1	6
83	Diltiazem blood pharmacokinetics in the pregnant and non-pregnant rabbit: maternal and foetal tissue levels. Xenobiotica, 2000, 30, 831-841.	1.1	6
84	Marbofloxacin reaches high concentration in pig tonsils in a doseâ€dependent fashion. Journal of Veterinary Pharmacology and Therapeutics, 2011, 34, 95-97.	1.3	6
85	Immune characterization of long pentraxin 3 in pigs infected with influenza virus. Veterinary Microbiology, 2014, 168, 185-192.	1.9	6
86	Vaccination Is a Suitable Tool in the Control of Aujeszkyâ€™s Disease Outbreaks in Pigs Using a Population Dynamics P Systems Model. Animals, 2020, 10, 909.	2.3	6
87	Prevalence of Salmonella in Free-Range Pigs: Risk Factors and Intestinal Microbiota Composition. Foods, 2021, 10, 1410.	4.3	6
88	Modelling the SARS-CoV-2 outbreak: Assessing the usefulness of protective measures to reduce the pandemic at population level. Science of the Total Environment, 2021, 789, 147816.	8.0	6
89	Antimicrobial Susceptibility Testing of Porcine Bacterial Pathogens: Investigating the Prospect of Testing a Representative Drug for Each Antimicrobial Family. Antibiotics, 2022, 11, 638.	3.7	6
90	Serum haptoglobin dynamics in pigs vaccinated or not vaccinated against porcine circovirus type 2. Porcine Health Management, 2015, 1, 3.	2.6	5

#	Article	IF	Citations
91	Carotenoid intake and SCD genotype exert complementary effects over fat content and fatty acid composition in Duroc pigs1. Journal of Animal Science, 2017, 95, 2547-2557.	0.5	5
92	Antimicrobial susceptibility of Mannheimia haemolytica and Pasteurella multocida isolated from ovine respiratory clinical cases in Spain and Portugal. Small Ruminant Research, 2019, 178, 85-93.	1.2	5
93	Antimicrobial Stewardship for Respiratory Pathogens in Swine. Antibiotics, 2020, 9, 727.	3.7	5
94	Enhanced Diltiazem Deacetylase Activity in Pre-Term and Full-Term Rabbits Compared with Adult Rabbits. Neonatology, 1997, 72, 51-61.	2.0	4
95	Altered diltiazem metabolism in the neonatal rabbit following intra-uterine chronic exposure to diltiazem. Xenobiotica, 2001, 31, 177-185.	1.1	4
96	Control or eradication? Costs and benefits in the case of PRRSV. Veterinary Record, 2012, 170, 223-224.	0.3	4
97	A Methodology to Quantify Resilience in Growing Pigs. Animals, 2021, 11, 2970.	2.3	4
98	Virological and serological characterization of vaccinated and non-vaccinated piglet subpopulations coming from vaccinated and non-vaccinated sows. Preventive Veterinary Medicine, 2015, 119, 153-161.	1.9	3
99	The Impact of Producing Type and Dietary Crude Protein on Animal Performances and Microbiota Together with Greenhouse Gases Emissions in Growing Pigs. Animals, 2020, 10, 1742.	2.3	3
100	A probabilistic Poisson-based model to detect PRRSV recirculation using sow production records. Preventive Veterinary Medicine, 2020, 177, 104948.	1.9	3
101	Near Real-Time Monitoring of Clinical Events Detected in Swine Herds in Northeastern Spain. Frontiers in Veterinary Science, 2020, 7, 68.	2.2	3
102	Carotenoid intake and genotype exert complementary effects over fat content and fatty acid composition in Duroc pigs. Journal of Animal Science, 2017, 95, 2547.	0.5	3
103	Porcine Reproductive and Respiratory Syndrome Surveillance in breeding Herds and Nurseries Using Tongue Tips from Dead Animals. Veterinary Sciences, 2021, 8, 259.	1.7	3
104	Pharmacokinetics of verapamil in lactating rabbits. General Pharmacology, 2000, 34, 237-243.	0.7	2
105	Pharmacokinetics of Verapamil in New Zealand White Rabbits during Ontogeny. Neonatology, 2000, 78, 321-326.	2.0	2
106	Development of diltiazem deacetylase and demethylase activities during ontogeny in rabbit. Xenobiotica, 2001, 31, 409-422.	1.1	2
107	Quasi horn antenna array for Ku band monopulse radiation. , 2016, , .		2
108	Treatment with etamsylate reduces haemolactia in lactating dairy cows.. Journal of Dairy Research, 2019, 86, 193-195.	1.4	2

#	Article	IF	Citations
109	Identification of a Newly Conserved SLA-II Epitope in a Structural Protein of Swine Influenza Virus. Frontiers in Immunology, 2020, 11, 2083.	4.8	2
110	The Specific Immune Response after Vaccination against Neonatal Calf Diarrhoea Differs between Apparent Similar Vaccines in a Case Study. Animals, 2021, 11, 1238.	2.3	2
111	A genome-wide screen for resilient responses in growing pigs. Genetics Selection Evolution, 2022, 54, .	3.0	2
112	Differential Viral-Host Immune Interactions Associated with Oseltamivir-Resistant H275Y and Wild-Type H1N1 A(pdm09) Influenza Virus Pathogenicity. Viruses, 2020, 12, 794.	3.3	1
113	Using PRRSV-Resilient Sows Improve Performance in Endemic Infected Farms with Recurrent Outbreaks. Animals, 2021, 11, 740.	2.3	1
114	Key Performance Indicators Used by Dairy Consultants During the Evaluation of Reproductive Performance in a First Visit. Frontiers in Veterinary Science, 0, 9, .	2.2	1
115	Penetration of diltiazem into breast milk and its pharmacokinetics in the lactating rabbit. Xenobiotica, 2002, 32, 119-130.	1.1	0
116	Allergic Response Modulation by Phytosterols in a Murine Model of Pollen Allergy. Journal of Allergy and Clinical Immunology, 2010, 125, AB115.	2.9	0
117	USE OF SIMULATION TO ESTIMATE ECONOMIC PERFORMANCES OF TWO PHENOTYPES OF SOWS. , 2018, , .		0
118	A Cowâ€“Calf Farming System Fully Adapted to Elevation and Harsh Conditions in Andorra (Europe). Animals, 2021, 11, 611.	2.3	0
119	Targeted proteomics as a tool for porcine acute phase proteins measurements. , 2013, , 217-220.		0
120	Dose Dependent Penetration of Tulathromycin in Pig Tonsils. Pharmacologia, 2015, 6, 110-113.	0.3	0