

# Jos Manuel Prez de la Lastra

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

82

papers

2,059

citations

27

h-index

43

g-index

92

ext. papers

2,670

ext. citations

3.5

avg, IF

4.82

L-index

#	Paper	IF	Citations
82	The Nitration of Proteins, Lipids and DNA by Peroxynitrite Derivatives-Chemistry Involved and Biological Relevance. <i>Stresses</i> , <b>2022</b> , 2, 53-64		3
81	Cancer chemotherapy and beyond: Current status, drug candidates, associated risks and progress in targeted therapeutics. <i>Genes and Diseases</i> , <b>2022</b> ,	6.6	11
80	Nitration of Flavonoids and Tocopherols as Potential Modulators of Nitrosative Stress: A Study Based on Their Conformational Structures and Energy Content. <i>Stresses</i> , <b>2022</b> , 2, 213-230		0
79	Antibodies targeting enzyme inhibition as potential tools for research and drug development.. <i>Biomolecular Concepts</i> , <b>2021</b> , 12, 215-232	3.7	0
78	Impact of Zinc, Glutathione, and Polyphenols as Antioxidants in the Immune Response against SARS-CoV-2. <i>Processes</i> , <b>2021</b> , 9, 506	2.9	5
77	Bioinformatic Analysis of Genome-Predicted Bat Cathelicidins. <i>Molecules</i> , <b>2021</b> , 26,	4.8	1
76	The Chemistry of Reactive Oxygen Species (ROS) Revisited: Outlining Their Role in Biological Macromolecules (DNA, Lipids and Proteins) and Induced Pathologies. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	102
75	Potential Therapeutic Targets and Vaccine Development for SARS-CoV-2/COVID-19 Pandemic Management: A Review on the Recent Update. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 658519	8.4	24
74	Theoretical Three-Dimensional Zinc Complexes with Glutathione, Amino Acids and Flavonoids. <i>Stresses</i> , <b>2021</b> , 1, 123-141		1
73	Can Immunization of Hens Provide Oral-Based Therapeutics against COVID-19?. <i>Vaccines</i> , <b>2020</b> , 8,	5.3	14
72	Are Vaccines the Solution for Methane Emissions from Ruminants? A Systematic Review. <i>Vaccines</i> , <b>2020</b> , 8,	5.3	9
71	The Road from Host-Defense Peptides to a New Generation of Antimicrobial Drugs. <i>Molecules</i> , <b>2018</b> , 23,	4.8	61
70	Antimicrobial Peptides Derived from the Genome Mining of Animals Living in Pathogenic Environments. <i>Proceedings (mdpi)</i> , <b>2017</b> , 1, 638	0.3	0
69	Antimicrobial Activity of Amino Acid Analogues and Their Derivatives. <i>Proceedings (mdpi)</i> , <b>2017</b> , 1, 657	0.3	
68	The Search for New Antimicrobial Agents, by Site-Selective Peptide Modification. <i>Proceedings (mdpi)</i> , <b>2017</b> , 1, 673	0.3	
67	Bacterial membranes enhance the immunogenicity and protective capacity of the surface exposed tick Subolesin-Anaplasma marginale MSP1a chimeric antigen. <i>Ticks and Tick-borne Diseases</i> , <b>2015</b> , 6, 820-8	3.6	5
66	Prospects for vaccination against the ticks of pets and the potential impact on pathogen transmission. <i>Veterinary Parasitology</i> , <b>2015</b> , 208, 26-9	2.8	11

65	Tick capillary feeding for the study of proteins involved in tick-pathogen interactions as potential antigens for the control of tick infestation and pathogen infection. <i>Parasites and Vectors</i> , <b>2014</b> , 7, 42	4	32
64	Control of tick infestations and pathogen prevalence in cattle and sheep farms vaccinated with the recombinant Subolesin-Major Surface Protein 1a chimeric antigen. <i>Parasites and Vectors</i> , <b>2014</b> , 7, 10	4	27
63	Oral vaccination with heat inactivated <i>Mycobacterium bovis</i> activates the complement system to protect against tuberculosis. <i>PLoS ONE</i> , <b>2014</b> , 9, e98048	3.7	41
62	Tonsils of the soft palate do not mediate the response of pigs to oral vaccination with heat-inactivated <i>Mycobacterium bovis</i> . <i>Vaccine Journal</i> , <b>2014</b> , 21, 1128-36		11
61	Subolesin/Akirin vaccines for the control of arthropod vectors and vectorborne pathogens. <i>Transboundary and Emerging Diseases</i> , <b>2013</b> , 60 Suppl 2, 172-8	4.2	46
60	Wildlife and paratuberculosis: a review. <i>Research in Veterinary Science</i> , <b>2013</b> , 94, 191-7	2.5	42
59	Control of multiple arthropod vector infestations with subolesin/akirin vaccines. <i>Vaccine</i> , <b>2013</b> , 31, 1187-96	4.1	68
58	Vaccination with proteins involved in tick-pathogen interactions reduces vector infestations and pathogen infection. <i>Vaccine</i> , <b>2013</b> , 31, 5889-96	4.1	61
57	Immunization with recombinant subolesin does not reduce tick infection with tick-borne encephalitis virus nor protect mice against disease. <i>Vaccine</i> , <b>2013</b> , 31, 1582-9	4.1	13
56	Expression of immunoregulatory genes and its relationship to lead exposure and lead-mediated oxidative stress in wild ungulates from an abandoned mining area. <i>Environmental Toxicology and Chemistry</i> , <b>2013</b> , 32, 876-83	3.8	10
55	Reciprocal regulation of NF- $\kappa$ B (Relish) and Subolesin in the tick vector, <i>Ixodes scapularis</i> . <i>PLoS ONE</i> , <b>2013</b> , 8, e65915	3.7	31
54	<i>Anaplasma phagocytophilum</i> inhibits apoptosis and promotes cytoskeleton rearrangement for infection of tick cells. <i>Infection and Immunity</i> , <b>2013</b> , 81, 2415-25	3.7	52
53	Tick vaccines and the control of tick-borne pathogens. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2013</b> , 3, 30	5.9	63
52	No evidence that wild red deer ( <i>Cervus elaphus</i> ) on the Iberian Peninsula are a reservoir of <i>Mycobacterium avium</i> subspecies paratuberculosis infection. <i>Veterinary Journal</i> , <b>2012</b> , 192, 544-6	2.5	8
51	Vaccination with BM86, subolesin and akirin protective antigens for the control of tick infestations in white tailed deer and red deer. <i>Vaccine</i> , <b>2012</b> , 30, 273-9	4.1	53
50	Gene expression profile suggests that pigs ( <i>Sus scrofa</i> ) are susceptible to <i>Anaplasma phagocytophilum</i> but control infection. <i>Parasites and Vectors</i> , <b>2012</b> , 5, 181	4	29
49	Molecular identification of <i>Cordylobia anthropophaga</i> Blanchard (Diptera: Calliphoridae) larvae collected from dogs ( <i>Canis familiaris</i> ) in Jos South, Plateau State, Nigeria. <i>Onderstepoort Journal of Veterinary Research</i> , <b>2012</b> , 79, E1-4	1.9	5
48	Paratuberculosis in European wild rabbits from the Iberian Peninsula. <i>Research in Veterinary Science</i> , <b>2011</b> , 91, 212-8	2.5	19

47	Targeting arthropod subolesin/akirin for the development of a universal vaccine for control of vector infestations and pathogen transmission. <i>Veterinary Parasitology</i> , <b>2011</b> , 181, 17-22	2.8	88
46	Mapping protective epitopes in the tick and mosquito subolesin ortholog proteins. <i>Vaccine</i> , <b>2010</b> , 28, 5398-406	4.1	33
45	Characterization of <i>Aedes albopictus</i> akirin for the control of mosquito and sand fly infestations. <i>Vaccine</i> , <b>2010</b> , 29, 77-82	4.1	33
44	Expression of immunoregulatory genes in peripheral blood mononuclear cells of European wild boar immunized with BCG. <i>Veterinary Microbiology</i> , <b>2009</b> , 134, 334-9	3.3	23
43	Conservation and immunogenicity of the mosquito ortholog of the tick-protective antigen, subolesin. <i>Parasitology Research</i> , <b>2009</b> , 105, 97-111	2.4	55
42	Reduced major histocompatibility complex class II polymorphism in a hunter-managed isolated Iberian red deer population. <i>Journal of Zoology</i> , <b>2009</b> , 277, 157-170	2	11
41	Recent advances in the development of immuno adhesins for immune therapy and as anti-infective agents. <i>Recent Patents on Anti-infective Drug Discovery</i> , <b>2009</b> , 4, 183-9	1.6	6
40	Evidence of the role of tick subolesin in gene expression. <i>BMC Genomics</i> , <b>2008</b> , 9, 372	4.5	66
39	Molecular cloning and characterisation of a homologue of the alpha inhibitor of NF-kappaB in the griffon vulture ( <i>Gyps fulvus</i> ). <i>Veterinary Immunology and Immunopathology</i> , <b>2008</b> , 122, 318-25	2	3
38	Large-scale ELISA testing of Spanish red deer for paratuberculosis. <i>Veterinary Immunology and Immunopathology</i> , <b>2008</b> , 124, 75-81	2	40
37	Differential expression of inflammatory and immune response genes in mesenteric lymph nodes of Iberian red deer ( <i>Cervus elaphus hispanicus</i> ) naturally infected with <i>Mycobacterium bovis</i> . <i>Developmental and Comparative Immunology</i> , <b>2008</b> , 32, 85-91	3.2	24
36	<i>Anaplasma marginale</i> major surface protein 1a directs cell surface display of tick BM95 immunogenic peptides on <i>Escherichia coli</i> . <i>Journal of Biotechnology</i> , <b>2008</b> , 135, 326-32	3.7	14
35	Expression of recombinant <i>Rhipicephalus</i> ( <i>Boophilus</i> ) <i>microplus</i> , <i>R. annulatus</i> and <i>R. decoloratus</i> Bm86 orthologs as secreted proteins in <i>Pichia pastoris</i> . <i>BMC Biotechnology</i> , <b>2008</b> , 8, 14	3.5	32
34	Differential expression of the tick protective antigen subolesin in <i>Anaplasma marginale</i> - and <i>A. phagocytophilum</i> -infected host cells. <i>Annals of the New York Academy of Sciences</i> , <b>2008</b> , 1149, 27-35	6.5	25
33	Association of CD80 and CD86 expression levels with disease status of Visna/Maedi virus infected sheep. <i>Viral Immunology</i> , <b>2007</b> , 20, 609-22	1.7	21
32	A ten-year review of commercial vaccine performance for control of tick infestations on cattle. <i>Animal Health Research Reviews</i> , <b>2007</b> , 8, 23-8	2.1	252
31	Recent developments in oral bait vaccines for wildlife. <i>Recent Patents on Drug Delivery and Formulation</i> , <b>2007</b> , 1, 230-5	1.4	14
30	Prevalence of infection and 18S rRNA gene sequences of <i>Cytauxzoon</i> species in Iberian lynx ( <i>Lynx pardinus</i> ) in Spain. <i>Parasitology</i> , <b>2007</b> , 134, 995-1001	2.7	44

29	Functional genomic studies of tick cells in response to infection with the cattle pathogen, <i>Anaplasma marginale</i> . <i>Genomics</i> , <b>2007</b> , 90, 712-22	4.3	75
28	Molecular cloning and characterisation of the griffon vulture ( <i>Gyps fulvus</i> ) toll-like receptor 1. <i>Developmental and Comparative Immunology</i> , <b>2007</b> , 31, 511-9	3.2	10
27	Molecular cloning of multiple forms of the ovine B7-2 (CD86) costimulatory molecule. <i>Veterinary Immunology and Immunopathology</i> , <b>2006</b> , 114, 149-58	2	6
26	Molecular cloning and mRNA tissue-expression of two isoforms of the ovine costimulatory molecule CD80 (B7-1). <i>Veterinary Immunology and Immunopathology</i> , <b>2005</b> , 103, 9-19	2	7
25	Mucosal immunization of sheep with a Maedi-Visna virus (MVV) env DNA vaccine protects against early MVV productive infection. <i>Vaccine</i> , <b>2005</b> , 23, 4342-52	4.1	27
24	Molecular cloning and structural analysis of the porcine homologue to CD97 antigen. <i>Veterinary Immunology and Immunopathology</i> , <b>2003</b> , 93, 107-15	2	2
23	Assignment of porcine CD97 gene to the 1/2q21-->q22 region of the pig chromosome 2 with somatic cell hybrids. <i>Cytogenetic and Genome Research</i> , <b>2003</b> , 103, 203H	1.9	
22	Molecular cloning and functional characterization of the pig homologue of integrin-associated protein (IAP/CD47). <i>Immunology</i> , <b>2002</b> , 106, 564-76	7.8	10
21	Assignment of the CD47 gene to pig chromosome band 13q42-->1/2q46 with somatic cell hybrids. <i>Cytogenetic and Genome Research</i> , <b>2002</b> , 97, 276E	1.9	
20	Expression of CD61 (beta3 integrin subunit) on canine cells. <i>Platelets</i> , <b>2001</b> , 12, 69-73	3.6	4
19	Role and regulation of pig CD59 and membrane cofactor protein/CD46 expressed on pig aortic endothelial cells. <i>Transplantation</i> , <b>2000</b> , 70, 667-73	1.8	17
18	Pigs express multiple forms of decay-accelerating factor (CD55), all of which contain only three short consensus repeats. <i>Journal of Immunology</i> , <b>2000</b> , 165, 2563-73	5.3	37
17	Induction of aggregation in porcine lymphoid cells by antibodies to CD46. <i>Veterinary Immunology and Immunopathology</i> , <b>2000</b> , 73, 73-81	2	2
16	Assignment of MCP encoding the porcine membrane cofactor protein (MCP/CD46) to the long arm of pig chromosome 9 with somatic cell hybrids. <i>Cytogenetic and Genome Research</i> , <b>1999</b> , 85, 242-3	1.9	
15	Epitope mapping of 10 monoclonal antibodies against the pig analogue of human membrane cofactor protein (MCP). <i>Immunology</i> , <b>1999</b> , 96, 663-70	7.8	13
14	Distribution of membrane cofactor protein (MCP/CD46) on pig tissues. Relevance To xenotransplantation. <i>Immunology</i> , <b>1999</b> , 98, 144-51	7.8	17
13	A new epitope on sheep CD45R molecule detected by a monoclonal antibody. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , <b>1999</b> , 22, 125-36	2.6	3
12	Biological Effect of Helium-Neon (He-Ne) Laser Irradiation on Mouse Myeloma (Sp2-Ag14) Cell Line In Vitro. <i>Lasers in Medical Science</i> , <b>1998</b> , 13, 214-218	3.1	17

11	A monoclonal antibody raised against pig leukocytes and platelets recognizes fibrinogen from pig plasma. <i>Platelets</i> , <b>1998</b> , 9, 303-8	3.6	4
10	Characterization of the porcine homologue to human platelet glycoprotein IIb-IIIa (CD41/CD61) by a monoclonal antibody. <i>Tissue Antigens</i> , <b>1997</b> , 49, 588-94		19
9	Purification and characterization of the pig analogue of human membrane cofactor protein (CD46/MCP). <i>Journal of Immunology</i> , <b>1997</b> , 158, 1703-9	5.3	38
8	Ruminant cluster CD41/CD61. <i>Veterinary Immunology and Immunopathology</i> , <b>1996</b> , 52, 251-3	2	7
7	Ruminant cluster WC13. <i>Veterinary Immunology and Immunopathology</i> , <b>1996</b> , 52, 259-60	2	
6	Platelet activation studies with anti-CD41/61 monoclonal antibodies. <i>Veterinary Immunology and Immunopathology</i> , <b>1996</b> , 52, 357-62	2	10
5	Biochemical characterization of antigens detected with anti-platelet monoclonal antibodies. <i>Veterinary Immunology and Immunopathology</i> , <b>1996</b> , 52, 363-70	2	6
4	Two monoclonal antibodies from the platelet panel recognize sheep plasma fibrinogen. <i>Veterinary Immunology and Immunopathology</i> , <b>1996</b> , 52, 371-5	2	2
3	A monoclonal antibody to ruminant fibrinogen produced through immunization with ovine peripheral blood leukocytes. <i>Hybridoma</i> , <b>1996</b> , 15, 87-90		2
2	The beta chain of the GPIIb molecule on ruminant leukocytes and platelets is not labelled by the sulfo-NHS-biotin method. <i>Vox Sanguinis</i> , <b>1995</b> , 69, 248-9	3.1	4
1	A monoclonal antibody to an ovine gp130 molecule inhibits homotypic aggregation induced by anti-CD43 monoclonal antibodies of ruminant leukocytes. <i>Immunology Letters</i> , <b>1995</b> , 45, 81-5	4.1	3