Pablo Fuentes-Prior

List of Publications by Year
in descending order

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54 papers	3,794 citations	136950 32 h-index	175258 52 g-index
57 all docs	57 docs citations	57 times ranked	5176 citing authors

#	Article	IF	Citations
1	Structural basis for the anticoagulant activity of the thrombinâ€“thrombomodulin complex. Nature, 2000, 404, 518-525.	27.8	304
2	Correlation between SMA type and SMN2 copy number revisited: An analysis of 625 unrelated Spanish patients and a compilation of 2834 reported cases. Neuromuscular Disorders, 2018, 28, 208-215.	0.6	273
3	Crystal structures of the membrane-binding C2 domain of human coagulation factor V. Nature, 1999, 402, 434-439.	27.8	258
4	Staphylocoagulase is a prototype for the mechanism of cofactor-induced zymogen activation. Nature, 2003, 425, 535-539.	27.8	234
5	Potent Phagocytic Activity with Impaired Antigen Presentation Identifying Lipopolysaccharide-Tolerant Human Monocytes: Demonstration in Isolated Monocytes from Cystic Fibrosis Patients. Journal of Immunology, 2009, 182, 6494-6507.	0.8	193
6	Ionomycin-activated Calpain Triggers Apoptosis. Journal of Biological Chemistry, 2002, 277, 27217-27226.	3.4	183
7	Metalloproteinases Shed TREM-1 Ectodomain from Lipopolysaccharide-Stimulated Human Monocytes. Journal of Immunology, 2007, 179, 4065-4073.	0.8	176
8	In vivo detection of Staphylococcus aureus endocarditis by targeting pathogen-specific prothrombin activation. Nature Medicine, 2011, 17, 1142-1146.	30.7	144
9	Mutation update of spinal muscular atrophy in Spain: molecular characterization of 745 unrelated patients and identification of four novel mutations in the SMN1 gene. Human Genetics, 2009, 125, 29-39.	3.8	139
10	Structure of the homodimeric androgen receptor ligand-binding domain. Nature Communications, 2017, 8, 14388.	12.8	131
11	Tumor Cells Deactivate Human Monocytes by Up-Regulating IL-1 Receptor Associated Kinase-M Expression via CD44 and TLR4. Journal of Immunology, 2005, 174, 3032-3040.	0.8	125
12	Catalytic Domain Structures of MT-SP1/Matriptase, a Matrix-degrading Transmembrane Serine Proteinase. Journal of Biological Chemistry, 2002, 277, 2160-2168.	3.4	105
13	Isolation, Cloning and Structural Characterisation of Boophilin, a Multifunctional Kunitz-Type Proteinase Inhibitor from the Cattle Tick. PLoS ONE, 2008, 3, e1624.	2.5	103
14	Tick-derived Kunitz-type inhibitors as antihemostatic factors. Insect Biochemistry and Molecular Biology, 2009, 39, 579-595.	2.7	86
15	Monocytes from Cystic Fibrosis Patients Are Locked in an LPS Tolerance State: Down-Regulation of TREM-1 as Putative Underlying Mechanism. PLoS ONE, 2008, 3, e2667.	2.5	76
16	New Insights into Binding Interfaces of Coagulation Factors V and VIII and their Homologues - Lessons from High Resolution Crystal Structures. Current Protein and Peptide Science, 2002, 3, 313-339.	1.4	66
17	Priming of SARS-CoV-2 S protein by several membrane-bound serine proteinases could explain enhancedÂviral infectivity and systemic COVID-19 infection. Journal of Biological Chemistry, 2021, 296, 100135.	3.4	63
18	Exploring the Collagen-binding Site of the DDR1 Tyrosine Kinase Receptor. Journal of Biological Chemistry, 2004, 279, 31462-31470.	3.4	61

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19	Subcellular Localization and in VivoSubunit Interactions of Ubiquitous Î¼-Calpain. Journal of Biological Chemistry, 2003, 278, 16336-16346.	3.4	60
20	Fibrinogen Substrate Recognition by StaphylocoagulaseÂ·(Pro)thrombin Complexes. Journal of Biological Chemistry, 2006, 281, 1179-1187.	3.4	56
21	The 2.2-Ã... Crystal Structure of Human Pro-granzyme K Reveals a Rigid Zymogen with Unusual Features. Journal of Biological Chemistry, 2002, 277, 50923-50933.	3.4	55
22	Inflammatory responses associated with acute coronary syndrome up-regulate IRAK-M and induce endotoxin tolerance in circulating monocytes. Journal of Endotoxin Research, 2007, 13, 39-52.	2.5	55
23	Metazoan evolution of glutamate receptors reveals unreported phylogenetic groups and divergent lineage-specific events. ELife, 2018, 7, .	6.0	53
24	The 1.4 Ã... Crystal Structure of Kumamolysin. Structure, 2002, 10, 865-876.	3.3	51
25	Leech-Derived Thrombin Inhibitors: From Structures to Mechanisms to Clinical Applications. Journal of Medicinal Chemistry, 2010, 53, 3847-3861.	6.4	51
26	Unique thrombin inhibition mechanism by anophelin, an anticoagulant from the malaria vector. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E3649-58.	7.1	49
27	K Domain CR9 of Low Density Lipoprotein (LDL) Receptor-related Protein 1 (LRP1) Is Critical for Aggregated LDL-induced Foam Cell Formation from Human Vascular Smooth Muscle Cells. Journal of Biological Chemistry, 2015, 290, 14852-14865.	3.4	48
28	Molecular basis of protein S deficiency. Thrombosis and Haemostasis, 2007, 98, 543-56.	3.4	48
29	The factor V C1 domain is involved in membrane binding: identification of functionally important amino acid residues within the C1 domain of factor V using alanine scanning mutagenesis. Thrombosis and Haemostasis, 2004, 91, 16-27.	3.4	43
30	C-Reactive Protein as a Therapeutic Target in Age-Related Macular Degeneration. Frontiers in Immunology, 2018, 9, 808.	4.8	42
31	Structural and functional analysis of APOA5 mutations identified in patients with severe hypertriglyceridemia. Journal of Lipid Research, 2013, 54, 649-661.	4.2	34
32	Novel Fluorescent Prothrombin Analogs as Probes of Staphylocoagulase-Prothrombin Interactions. Journal of Biological Chemistry, 2006, 281, 1169-1178.	3.4	33
33	Practical guidelines to manage discordant situations of SMN2 copy number in patients with spinal muscular atrophy. Neurology: Genetics, 2020, 6, e530.	1.9	32
34	Oleic acid is an endogenous ligand of TLX/NR2E1 that triggers hippocampal neurogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2023784119.	7.1	30
35	Utility of two SMN1 variants to improve spinal muscular atrophy carrier diagnosis and genetic counselling. European Journal of Human Genetics, 2018, 26, 1554-1557.	2.8	28
36	Plasminogen Substrate Recognition by the Streptokinase-Plasminogen Catalytic Complex Is Facilitated by Arg253, Lys256, and Lys257 in the Streptokinase Î²-Domain and Kringle 5 of the Substrate. Journal of Biological Chemistry, 2009, 284, 19511-19521.	3.4	27

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37	Pathophysiology of interleukin-1 receptor-associated kinase-M: implications in refractory state. Current Opinion in Infectious Diseases, 2006, 19, 237-244.	3.1	26
38	Rare Variants in Calcium Homeostasis Modulator 1 (CALHM1) Found in Early Onset Alzheimerâ€™s Disease Patients Alter Calcium Homeostasis. PLoS ONE, 2013, 8, e74203.	2.5	26
39	Beyond copy number: A new, rapid, and versatile method for sequencing the entire SMN2 gene in SMA patients. Human Mutation, 2021, 42, 787-795.	2.5	23
40	6-Methylprednisolone down-regulates IRAK-M in human and murine osteoclasts and boosts bone-resorbing activity: a putative mechanism for corticoid-induced osteoporosis. Journal of Leukocyte Biology, 2007, 82, 700-709.	3.3	22
41	A novel gain-of-function STAT1 mutation resulting in basal phosphorylation of STAT1 and increased distal IFN-Î³-mediated responses in chronic mucocutaneous candidiasis. Molecular Immunology, 2015, 68, 597-605.	2.2	21
42	Structural Basis for Reduced Staphylocoagulase-mediated Bovine Prothrombin Activation. Journal of Biological Chemistry, 2006, 281, 1188-1195.	3.4	19
43	A rare STAP1 mutation incompletely associated with familial hypercholesterolemia. Clinica Chimica Acta, 2018, 487, 270-274.	1.1	19
44	Non-canonical dimerization of the androgen receptor and other nuclear receptors: implications for human disease. Endocrine-Related Cancer, 2019, 26, R479-R497.	3.1	19
45	Contribution of globular death domains and unstructured linkers to MyD88Â·IRAK-4 heterodimer formation: An explanation for the antagonistic activity of MyD88s. Biochemical and Biophysical Research Communications, 2009, 380, 183-187.	2.1	18
46	Identification of 31 novel mutations in the F8 gene in Spanish hemophilia A patients: structural analysis of 20 missense mutations suggests new intermolecular binding sites. Blood, 2008, 111, 3468-3478.	1.4	16
47	Clinical and genetic findings in five female patients with haemophilia A: Identification of a novel missense mutation, p.Phe2127Ser. Thrombosis and Haemostasis, 2010, 104, 718-723.	3.4	15
48	Structural basis of thrombin-mediated factor V activation: the Glu666-Glu672 sequence is critical for processing at the heavy chainâ€“B domain junction. Blood, 2011, 117, 7164-7173.	1.4	14
49	Diversity of Quaternary Structures Regulates Nuclear Receptor Activities. Trends in Biochemical Sciences, 2019, 44, 2-6.	7.5	13
50	TET2 missense variants in human neoplasia. A proposal of structural and functional classification. Molecular Genetics & Genomic Medicine, 2019, 7, e00772.	1.2	9
51	Position-dependent expression of GADD45Î± in rat brain tumours. Medical Oncology, 2007, 24, 436-444.	2.5	3
52	ProducciÃ³n heterÃ³loga y caracterizaciÃ³n bioquÃmica del procoagulante humano Factor VIII para ensayos de cristalizaciÃ³n de macromolÃ©culas proteicas. TecnologÃa En Marcha, 2016, 29, 78.	0.1	0
53	MutagÃ©nesis dirigida del conector interdominio Ã¡cido FVIIIa3 del factor VIII de la coagulaciÃ³n como estrategia para favorecer la cristalizaciÃ³n de sus complejos con la trombina. TecnologÃa En Marcha, 0, , .	0.1	0
54	Confirmation of inherited protein S deficiency by PROS1 mutational screening: Identification of three novel PROS1 mutations and haplotype analysis of p.Q279X recurrence. Thrombosis and Haemostasis, 2008, 100, 721-4.	3.4	0