

# Pilar García-Peñarrubia

## List of Publications by Year in descending order

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64  
papers

1,236  
citations

430874

18  
h-index

434195

31  
g-index

66  
all docs

66  
docs citations

66  
times ranked

1560  
citing authors

#	ARTICLE	IF	CITATIONS
1	Membrane Vesicles for Nanoencapsulated Sulforaphane Increased Their Anti-Inflammatory Role on an In Vitro Human Macrophage Model. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1940.	4.1	11
2	Analysis of the anti-inflammatory potential of Brassica bioactive compounds in a human macrophage-like cell model derived from HL-60 cells. <i>Biomedicine and Pharmacotherapy</i> , 2022, 149, 112804.	5.6	10
3	The Role of Peritoneal Macrophages in Endometriosis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10792.	4.1	31
4	Recent insights into the characteristics and role of peritoneal macrophages from ascites of cirrhotic patients. <i>World Journal of Gastroenterology</i> , 2021, 27, 7014-7024.	3.3	7
5	Isolation of functional mature peritoneal macrophages from healthy humans. <i>Immunology and Cell Biology</i> , 2020, 98, 114-126.	2.3	14
6	Brassica Bioactives Could Ameliorate the Chronic Inflammatory Condition of Endometriosis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9397.	4.1	13
7	Hypothetical roadmap towards endometriosis: prenatal endocrine-disrupting chemical pollutant exposure, anogenital distance, gut-genital microbiota and subclinical infections. <i>Human Reproduction Update</i> , 2020, 26, 214-246.	10.8	54
8	CD33 (Siglec-3) Inhibitory Function: Role in the NKG2D/DAP10 Activating Pathway. <i>Journal of Immunology Research</i> , 2019, 2019, 1-15.	2.2	13
9	Expression of LAIR-1 (CD305) on Human Blood Monocytes as a Marker of Hepatic Cirrhosis Progression. <i>Journal of Immunology Research</i> , 2019, 2019, 1-12.	2.2	13
10	Is TCR/pMHC Affinity a Good Estimate of the T-cell Response? An Answer Based on Predictions From 12 Phenotypic Models. <i>Frontiers in Immunology</i> , 2019, 10, 349.	4.8	31
11	Anti-leukemia activity of 4-amino-2-aryl-6,9-dichlorobenzo[g]pteridines. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2019, 392, 219-227.	3.0	1
12	Therapeutic potential of pteridine derivatives: A comprehensive review. <i>Medicinal Research Reviews</i> , 2019, 39, 461-516.	10.5	31
13	Characterization of human peritoneal monocyte/macrophage subsets in homeostasis: Phenotype, GATA6, phagocytic/oxidative activities and cytokines expression. <i>Scientific Reports</i> , 2018, 8, 12794.	3.3	44
14	Intracellular signaling modifications involved in the anti-inflammatory effect of 4-alkoxy-6,9-dichloro[1,2,4]triazolo[4,3-a]quinoxalines on macrophages. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 99, 292-298.	4.0	7
15	Attenuated JNK signaling in multidrug-resistant leukemic cells. Dual role of MAPK in cell survival. <i>Cellular Signalling</i> , 2017, 30, 162-170.	3.6	13
16	TCR/pMHC Interaction: Phenotypic Model for an Unsolved Enigma. <i>Frontiers in Immunology</i> , 2016, 7, 467.	4.8	7
17	A novel CD14 <sup>high</sup> CD16 <sup>high</sup> subset of peritoneal macrophages from cirrhotic patients is associated to an increased response to LPS. <i>Molecular Immunology</i> , 2016, 72, 28-36.	2.2	23
18	Inflammatory status in human hepatic cirrhosis. <i>World Journal of Gastroenterology</i> , 2015, 21, 11522.	3.3	57

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19	Collateral sensitivity to cold stress and differential BCL-2 family expression in new daunomycin-resistant lymphoblastoid cell lines. <i>Experimental Cell Research</i> , 2015, 331, 11-20.	2.6	12
20	Quinoxalines Potential to Target Pathologies. <i>Current Medicinal Chemistry</i> , 2015, 22, 3075-3108.	2.4	10
21	Mathematical modelling and computational study of two-dimensional and three-dimensional dynamics of receptor-ligand interactions in signalling response mechanisms. <i>Journal of Mathematical Biology</i> , 2014, 69, 553-582.	1.9	9
22	Regulatory role of PI3K-protein kinase B on the release of interleukin-1 $\beta$ in peritoneal macrophages from the ascites of cirrhotic patients. <i>Clinical and Experimental Immunology</i> , 2014, 178, 525-536.	2.6	11
23	MHC-I Molecules Selectively Inhibit Cell-Mediated Cytotoxicity Triggered by ITAM-Coupled Activating Receptors and 2B4. <i>PLoS ONE</i> , 2014, 9, e107054.	2.5	3
24	First synthesis and biological evaluation of 4-amino-2-aryl-6,9-dichlorobenzo[g]pteridines as inhibitors of TNF- $\alpha$ and IL-6. <i>European Journal of Medicinal Chemistry</i> , 2013, 66, 269-275.	5.5	11
25	Role of MAP Kinases and PI3K/Akt on the cytokine inflammatory profile of peritoneal macrophages from the ascites of cirrhotic patients. <i>Liver International</i> , 2013, 33, 552-560.	3.9	23
26	171 Bcl-2 Family Members and Survival Under Stress Conditions in Multidrug Resistant Leukemic Cells. <i>European Journal of Cancer</i> , 2012, 48, S41.	2.8	0
27	The peritoneal macrophage inflammatory profile in cirrhosis depends on the alcoholic or hepatitis C viral etiology and is related to ERK phosphorylation. <i>BMC Immunology</i> , 2012, 13, 42.	2.2	25
28	Acquisition of MDR phenotype by leukemic cells is associated with increased caspase-3 activity and a collateral sensitivity to cold stress. <i>Journal of Cellular Biochemistry</i> , 2012, 113, 1416-1425.	2.6	8
29	Peritoneal macrophage priming in cirrhosis is related to ERK phosphorylation and IL-6 secretion. <i>European Journal of Clinical Investigation</i> , 2011, 41, 8-15.	3.4	21
30	Glycoconjugate expression on the cell wall of tps1/tps1 trehalose-deficient <i>Candida albicans</i> strain and implications for its interaction with macrophages. <i>Glycobiology</i> , 2011, 21, 796-805.	2.5	16
31	Epitope mapping, expression and post-translational modifications of two isoforms of CD33 (CD33M and Tj ETQq1.1.0.784314 rgBT / 2.5 64)	2.5	64
32	Spatio-Temporal Dependence of the Signaling Response in Immune-Receptor Trafficking Networks Regulated by Cell Density: A Theoretical Model. <i>PLoS ONE</i> , 2011, 6, e21786.	2.5	2
33	Synthetic oligodeoxynucleotides induce MAP kinases activation in murine TIB-73 hepatocytes. <i>Histology and Histopathology</i> , 2010, 25, 831-40.	0.7	1
34	Role of trehalose-6P phosphatase (TPS2) in stress tolerance and resistance to macrophage killing in <i>Candida albicans</i> . <i>International Journal of Medical Microbiology</i> , 2009, 299, 453-464.	3.6	37
35	Norfloxacin Modulates the Inflammatory Response and Directly Affects Neutrophils in Patients With Decompensated Cirrhosis. <i>Gastroenterology</i> , 2009, 137, 1669-1679.e1.	1.3	36
36	Role of trehalose in resistance to macrophage killing: study with a tps1/tps1 trehalose-deficient mutant of <i>Candida albicans</i> . <i>Clinical Microbiology and Infection</i> , 2007, 13, 384-394.	6.0	44

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37	A study of CD33 (SIGLEC-3) antigen expression and function on activated human T and NK cells: two isoforms of CD33 are generated by alternative splicing. <i>Journal of Leukocyte Biology</i> , 2006, 79, 46-58.	3.3	115
38	Acquisition of multidrug resistance by L1210 leukemia cells decreases their tumorigenicity and enhances their susceptibility to the host immune response. <i>Cancer Immunology, Immunotherapy</i> , 2005, 54, 328-336.	4.2	5
39	Quantitative analysis of the factors that affect the determination of colocalization coefficients in dual-color confocal images. <i>IEEE Transactions on Image Processing</i> , 2005, 14, 1151-1158.	9.8	15
40	Cross-linking of MHC class I molecules on human NK cells inhibits NK cell function, segregates MHC I from the NK cell synapse, and induces intracellular phosphotyrosines. <i>Journal of Leukocyte Biology</i> , 2004, 76, 116-124.	3.3	20
41	Implication of CpG-ODN and reactive oxygen species in the inhibition of intracellular growth of in hepatocytes. <i>Microbes and Infection</i> , 2004, 6, 813-820.	1.9	15
42	Study of the physical meaning of the binding parameters involved in effector-target conjugation using monoclonal antibodies against adhesion molecules and cholera toxin. <i>Cellular Immunology</i> , 2002, 215, 141-150.	3.0	7
43	Î²1 Integrin triggering affects leukemic cell line sensitivity to natural killer cells. <i>Cancer Immunology, Immunotherapy</i> , 2002, 51, 130-138.	4.2	5
44	Implication of reactive oxygen species in the antibacterial activity against <i>Salmonella Typhimurium</i> of hepatocyte cell lines. <i>Free Radical Biology and Medicine</i> , 1999, 27, 1008-1018.	2.9	13
45	Determination of parameters that characterize effector-target conjugation of human NK and LAK cells by flow cytometry. <i>Journal of Immunological Methods</i> , 1997, 209, 137-154.	1.4	7
46	Mathematical modeling of adhesion of bacteria to host cell lines. <i>Bulletin of Mathematical Biology</i> , 1997, 59, 833-856.	1.9	1
47	Penetration of host cell lines by bacteria. Characteristics of the process of intracellular bacterial infection. <i>Bulletin of Mathematical Biology</i> , 1997, 59, 857-879.	1.9	3
48	Penetration of host cell lines by bacteria. Characteristics of the process of intracellular bacterial infection. <i>Bulletin of Mathematical Biology</i> , 1997, 59, 857-879.	1.9	0
49	Adhesion, invasion and intracellular replication of <i>Salmonella typhimurium</i> in a murine hepatocyte cell line. Effect of cytokines and LPS on antibacterial activity of hepatocytes. <i>Microbial Pathogenesis</i> , 1996, 21, 319-329.	2.9	10
50	Conjugation between Cloned Human NK Cells (H7.8) and K562/MOLT4 Tumor Cell Systems: Saturability, Binding Parameters, and Population Distribution of Conjugates. <i>Cellular Immunology</i> , 1996, 169, 133-141.	3.0	8
51	Computer Simulation and Data Analysis of Effector-Target Interactions: The Extraction of Binding Parameters from Effector and Target Conjugate Frequencies Data by Using Linear and Nonlinear Data-Fitting Transformations. <i>Journal of Biomedical Informatics</i> , 1996, 29, 93-118.	0.7	2
52	The derivation of binding parameters from effector and target conjugate frequency data using linear and non-linear data-fitting transformations Application of such transformations to the NK-MOLT4 and NK-K562 effector-target systems. <i>Journal of Immunological Methods</i> , 1995, 182, 235-249.	1.4	4
53	Binding units (BU) and the area under binding isotherms (AUI) new indices of effector-target conjugation. <i>Journal of Immunological Methods</i> , 1994, 170, 197-210.	1.4	7
54	Effector-target interactions: saturability, affinity and binding isotherms a study of such interactions in the human NK cell-K562 tumour cell system. <i>Journal of Immunological Methods</i> , 1992, 155, 133-147.	1.4	10

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55	Prostaglandins from human T suppressor/cytotoxic cells modulate natural killer antibacterial activity.. Journal of Experimental Medicine, 1989, 170, 601-606.	8.5	39
56	Antibacterial activity of human natural killer cells.. Journal of Experimental Medicine, 1989, 169, 99-113.	8.5	163
57	Model for population distributions of lymphocyte-target cell conjugates. Journal of Theoretical Biology, 1989, 138, 77-92.	1.7	8
58	Effect of conjugate size on the kinetics of cell-mediated cytotoxicity at the population level. Journal of Theoretical Biology, 1989, 138, 93-115.	1.7	15
59	The maximum conjugate frequency ( $\hat{I}_{\pm\max}$ ) characterizes killer cell populations. Journal of Immunological Methods, 1989, 118, 199-208.	1.4	12
60	Quantitation of effector-target affinity in the human NK cell and K562 tumor cell system. Journal of Immunological Methods, 1989, 122, 177-184.	1.4	7
61	Selective proliferation of natural killer cells among monocyte-depleted peripheral blood mononuclear cells as a result of stimulation with staphylococcal enterotoxin B. Infection and Immunity, 1989, 57, 2057-2065.	2.2	7
62	Experimental and theoretical kinetics study of antibacterial killing mediated by human natural killer cells. Journal of Immunology, 1989, 142, 1310-7.	0.8	12
63	Kinetic analysis of effector cell recycling and effector-target binding capacity in a model of cell-mediated cytotoxicity. Journal of Immunology, 1989, 143, 2101-11.	0.8	11
64	Effect of different treatments of the endotoxin-induced modifications in serum iron levels. General Pharmacology, 1986, 17, 573-576.	0.7	2