## Pilar GarcÃ-a-Peñarrubia

List of Publications by Year in descending order

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Version: 2024-02-01

64 papers

1,236 citations

430874 18 h-index 31 g-index

66 all docs 66
docs citations

66 times ranked 1560 citing authors

#	Article	IF	Citations
1	Antibacterial activity of human natural killer cells Journal of Experimental Medicine, 1989, 169, 99-113.	8.5	163
2	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. Journal of Leukocyte Biology, 2006, 79, 46-58.	3.3	115
3	Epitope mapping, expression and post-translational modifications of two isoforms of CD33 (CD33M and) Tj ETQ	q1_10.78	4314 rgBT /O\
4	Inflammatory status in human hepatic cirrhosis. World Journal of Gastroenterology, 2015, 21, 11522.	3.3	57
5	Hypothetical roadmap towards endometriosis: prenatal endocrine-disrupting chemical pollutant exposure, anogenital distance, gut-genital microbiota and subclinical infections. Human Reproduction Update, 2020, 26, 214-246.	10.8	54
6	Role of trehalose in resistance to macrophage killing: study with a tps1/tps1 trehalose-deficient mutant of Candida albicans. Clinical Microbiology and Infection, 2007, 13, 384-394.	6.0	44
7	Characterization of human peritoneal monocyte/macrophage subsets in homeostasis: Phenotype, GATA6, phagocytic/oxidative activities and cytokines expression. Scientific Reports, 2018, 8, 12794.	3.3	44
8	Prostaglandins from human T suppressor/cytotoxic cells modulate natural killer antibacterial activity Journal of Experimental Medicine, 1989, 170, 601-606.	8.5	39
9	Role of trehalose-6P phosphatase (TPS2) in stress tolerance and resistance to macrophage killing in Candida albicans. International Journal of Medical Microbiology, 2009, 299, 453-464.	3.6	37
10	Norfloxacin Modulates the Inflammatory Response and Directly Affects Neutrophils in Patients With Decompensated Cirrhosis. Gastroenterology, 2009, 137, 1669-1679.e1.	1.3	36
11	Is TCR/pMHC Affinity a Good Estimate of the T-cell Response? An Answer Based on Predictions From 12 Phenotypic Models. Frontiers in Immunology, 2019, 10, 349.	4.8	31
12	Therapeutic potential of pteridine derivatives: A comprehensive review. Medicinal Research Reviews, 2019, 39, 461-516.	10.5	31
13	The Role of Peritoneal Macrophages in Endometriosis. International Journal of Molecular Sciences, 2021, 22, 10792.	4.1	31
14	The peritoneal macrophage inflammatory profile in cirrhosis depends on the alcoholic or hepatitis C viral etiology and is related to ERK phosphorylation. BMC Immunology, 2012, 13, 42.	2.2	25
15	Role of <scp>MAP</scp> Kinases and <scp>PI</scp> 3Kâ€Akt on the cytokine inflammatory profile of peritoneal macrophages from the ascites of cirrhotic patients. Liver International, 2013, 33, 552-560.	3.9	23
16	A novel CD14high CD16high subset of peritoneal macrophages from cirrhotic patients is associated to an increased response to LPS. Molecular Immunology, 2016, 72, 28-36.	2.2	23
17	Peritoneal macrophage priming in cirrhosis is related to ERK phosphorylation and ILâ€6 secretion. European Journal of Clinical Investigation, 2011, 41, 8-15.	3.4	21
18	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. Journal of Leukocyte Biology, 2004, 76, 116-124.	3.3	20

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19	Glycoconjugate expression on the cell wall of tps1/tps1 trehalose-deficient Candida albicans strain and implications for its interaction with macrophages. Glycobiology, 2011, 21, 796-805.	2.5	16
20	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
21	Implication of CpG-ODN and reactive oxygen species in the inhibition of intracellular growth of in hepatocytes. Microbes and Infection, 2004, 6, 813-820.	1.9	15
22	Quantitative analysis of the factors that affect the determination of colocalization coefficients in dual-color confocal images. IEEE Transactions on Image Processing, 2005, 14, 1151-1158.	9.8	15
23	Isolation of functional mature peritoneal macrophages from healthy humans. Immunology and Cell Biology, 2020, 98, 114-126.	2.3	14
24	Implication of reactive oxygen species in the antibacterial activity against Salmonella Typhimurium of hepatocyte cell lines. Free Radical Biology and Medicine, 1999, 27, 1008-1018.	2.9	13
25	Attenuated JNK signaling in multidrug-resistant leukemic cells. Dual role of MAPK in cell survival. Cellular Signalling, 2017, 30, 162-170.	3.6	13
26	CD33 (Siglec-3) Inhibitory Function: Role in the NKG2D/DAP10 Activating Pathway. Journal of Immunology Research, 2019, 2019, 1-15.	2.2	13
27	Expression of LAIR-1 (CD305) on Human Blood Monocytes as a Marker of Hepatic Cirrhosis Progression. Journal of Immunology Research, 2019, 2019, 1-12.	2.2	13
28	Brassica Bioactives Could Ameliorate the Chronic Inflammatory Condition of Endometriosis. International Journal of Molecular Sciences, 2020, 21, 9397.	4.1	13
29	The maximum conjugate frequency (αmax) characterizes killer cell populations. Journal of Immunological Methods, 1989, 118, 199-208.	1.4	12
30	Collateral sensitivity to cold stress and differential BCL-2 family expression in new daunomycin-resistant lymphoblastoid cell lines. Experimental Cell Research, 2015, 331, 11-20.	2.6	12
31	Experimental and theoretical kinetics study of antibacterial killing mediated by human natural killer cells. Journal of Immunology, 1989, 142, 1310-7.	0.8	12
32	First synthesis and biological evaluation of 4-amino-2-aryl-6,9-dichlorobenzo[g]pteridines as inhibitors of TNF-α and IL-6. European Journal of Medicinal Chemistry, 2013, 66, 269-275.	5.5	11
33	Regulatory role of PI3K-protein kinase B on the release of interleukin- $1\hat{l}^2$ in peritoneal macrophages from the ascites of cirrhotic patients. Clinical and Experimental Immunology, 2014, 178, 525-536.	2.6	11
34	Membrane Vesicles for Nanoencapsulated Sulforaphane Increased Their Anti-Inflammatory Role on an In Vitro Human Macrophage Model. International Journal of Molecular Sciences, 2022, 23, 1940.	4.1	11
35	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
36	Effector-target interactions: saturability, affinity and binding isotherms a study of such interactions in the human NK cell-K562 tumour cell system. Journal of Immunological Methods, 1992, 155, 133-147.	1.4	10

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37	Adhesion, invasion and intracellular replication of Salmonella typhimuriumin a murine hepatocyte cell line. Effect of cytokines and LPS on antibacterial activity of hepatocytes. Microbial Pathogenesis, 1996, 21, 319-329.	2.9	10
38	Quinoxalines Potential to Target Pathologies. Current Medicinal Chemistry, 2015, 22, 3075-3108.	2.4	10
39	Analysis of the anti-inflammatory potential of Brassica bioactive compounds in a human macrophage-like cell model derived from HL-60 cells. Biomedicine and Pharmacotherapy, 2022, 149, 112804.	5.6	10
40	Mathematical modelling and computational study of two-dimensional and three-dimensional dynamics of receptor–ligand interactions in signalling response mechanisms. Journal of Mathematical Biology, 2014, 69, 553-582.	1.9	9
41	Model for population distributions of lymphocyte-target cell conjugates. Journal of Theoretical Biology, 1989, 138, 77-92.	1.7	8
42	Conjugation between Cloned Human NK Cells (H7.8) and K562/MOLT4 Tumor Cell Systems: Saturability, Binding Parameters, and Population Distribution of Conjugates. Cellular Immunology, 1996, 169, 133-141.	3.0	8
43	Acquisition of MDR phenotype by leukemic cells is associated with increased caspaseâ€3 activity and a collateral sensitivity to cold stress. Journal of Cellular Biochemistry, 2012, 113, 1416-1425.	2.6	8
44	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
45	Binding units (BU) and the area under binding isotherms (AUI) new indices of effector-target conjugation. Journal of Immunological Methods, 1994, 170, 197-210.	1.4	7
46	Determination of parameters that characterize effector–target conjugation of human NK and LAK cells by flow cytometry. Journal of Immunological Methods, 1997, 209, 137-154.	1.4	7
47	Study of the physical meaning of the binding parameters involved in effector–target conjugation using monoclonal antibodies against adhesion molecules and cholera toxin. Cellular Immunology, 2002, 215, 141-150.	3.0	7
48	TCR/pMHC Interaction: Phenotypic Model for an Unsolved Enigma. Frontiers in Immunology, 2016, 7, 467.	4.8	7
49	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. European Journal of Pharmaceutical Sciences, 2017, 99, 292-298.	4.0	7
50	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
51	Recent insights into the characteristics and role of peritoneal macrophages from ascites of cirrhotic patients. World Journal of Gastroenterology, 2021, 27, 7014-7024.	3.3	7
52	$\hat{l}^21$ Integrin triggering affects leukemic cell line sensitivity to natural killer cells. Cancer Immunology, Immunotherapy, 2002, 51, 130-138.	4.2	5
53	Acquisition of multidrug resistance by L1210 leukemia cells decreases their tumorigenicity and enhances their susceptibility to the host immune response. Cancer Immunology, Immunotherapy, 2005, 54, 328-336.	4.2	5
54	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. Journal of Immunological Methods, 1995, 182, 235-249.	1.4	4

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55	Penetration of host cell lines by bacteria. Characteristics of the process of intracellular bacterial infection. Bulletin of Mathematical Biology, 1997, 59, 857-879.	1.9	3
56	MHC-I Molecules Selectively Inhibit Cell-Mediated Cytotoxicity Triggered by ITAM-Coupled Activating Receptors and 2B4. PLoS ONE, 2014, 9, e107054.	2.5	3
57	Effect of different treatments of the endotoxin-induced modifications in serum iron levels. General Pharmacology, 1986, 17, 573-576.	0.7	2
58	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. Journal of Biomedical Informatics, 1996, 29, 93-118.	0.7	2
59	Spatio-Temporal Dependence of the Signaling Response in Immune-Receptor Trafficking Networks Regulated by Cell Density: A Theoretical Model. PLoS ONE, 2011, 6, e21786.	2.5	2
60	Mathematical modeling of adhesion of bacteria to host cell lines. Bulletin of Mathematical Biology, 1997, 59, 833-856.	1.9	1
61	Anti-leukemia activity of 4-amino-2-aryl-6,9-dichlorobenzo[g]pteridines. Naunyn-Schmiedeberg's Archives of Pharmacology, 2019, 392, 219-227.	3.0	1
62	Synthetic oligodeoxynucleotides induce MAP kinases activation in murine TIB-73 hepatocytes. Histology and Histopathology, 2010, 25, 831-40.	0.7	1
63	Penetration of host cell lines by bacteria. Characteristics of the process of intracellular bacterial infection. Bulletin of Mathematical Biology, 1997, 59, 857-879.	1.9	O
64	171 Bcl-2 Family Members and Survival Under Stress Conditions in Multidrug Resistant Leukemic Cells. European Journal of Cancer, 2012, 48, S41.	2.8	O