

# Francisco Borrego

## 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.

93  
papers

4,452  
citations

36  
h-index

65  
g-index

102  
ext. papers

5,175  
ext. citations

6  
avg, IF

5.36  
L-index

#	Paper	IF	Citations
93	Role of NK Cells in Tumor Progression.. <i>Experientia Supplementum (2012)</i> , <b>2022</b> , 113, 169-187	2.2	0
92	Increased Frequency of CTLA-4 and PD-1 Expressing Regulatory T Cells and Basophils With an Activating Profile in Infants With Moderate-to-Severe Atopic Dermatitis Hypersensitized to Food Allergens.. <i>Frontiers in Pediatrics</i> , <b>2021</b> , 9, 734645	3.4	0
91	NK Cell Reconstitution After Autologous Hematopoietic Stem Cell Transplantation: Association Between NK Cell Maturation Stage and Outcome in Multiple Myeloma. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 748207	8.4	0
90	Human NK Cells in Autologous Hematopoietic Stem Cell Transplantation for Cancer Treatment. <i>Cancers</i> , <b>2021</b> , 13,	6.6	1
89	T Cell Activation, Highly Armed Cytotoxic Cells and a Shift in Monocytes CD300 Receptors Expression Is Characteristic of Patients With Severe COVID-19. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 655934	8.4	17
88	Metabolic changes of Interleukin-12/15/18-stimulated human NK cells. <i>Scientific Reports</i> , <b>2021</b> , 11, 64724.9	4.9	6
87	PIPE-cloned human IgE and IgG4 antibodies: New tools for investigating cow's milk allergy and tolerance. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2021</b> , 76, 1553-1556	9.3	3
86	Nanoparticles and trained immunity: Glimpse into the future. <i>Advanced Drug Delivery Reviews</i> , <b>2021</b> , 175, 113821	18.5	1
85	Natural killer (NK) cell-based immunotherapies and the many faces of NK cell memory: A look into how nanoparticles enhance NK cell activity. <i>Advanced Drug Delivery Reviews</i> , <b>2021</b> , 176, 113860	18.5	3
84	Identification and Functional Analysis of Human CD56 NK Cells by Flow Cytometry. <i>STAR Protocols</i> , <b>2020</b> , 1, 100149	1.4	6
83	The Expression and Function of CD300 Molecules in the Main Players of Allergic Responses: Mast Cells, Basophils and Eosinophils. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	8
82	NK Cell-Based Immunotherapy in Renal Cell Carcinoma. <i>Cancers</i> , <b>2020</b> , 12,	6.6	12
81	Polyfunctional HIV-1 specific response by CD8+ T lymphocytes expressing high levels of CD300a. <i>Scientific Reports</i> , <b>2020</b> , 10, 6070	4.9	2
80	CD300a identifies a CD4+ memory T cell subset with a higher susceptibility to HIV-1 infection. <i>Aids</i> , <b>2020</b> , 34, 1249-1252	3.5	1
79	A Nkp80-Based Identification Strategy Reveals that CD56 NK Cells Are Not Completely Dysfunctional in Health and Disease. <i>IScience</i> , <b>2020</b> , 23, 101298	6.1	9
78	Modulating NK cell metabolism for cancer immunotherapy. <i>Seminars in Hematology</i> , <b>2020</b> , 57, 213-224	4	9
77	CFSE dilution to study human T and NK cell proliferation in vitro. <i>Methods in Enzymology</i> , <b>2020</b> , 631, 239-255	2.55	6

76	CD300a inhibits CD16-mediated NK cell effector functions in HIV-1-infected patients. <i>Cellular and Molecular Immunology</i> , <b>2019</b> , 16, 940-942	15.4	12
75	CD300c costimulates IgE-mediated basophil activation, and its expression is increased in patients with cow's milk allergy. <i>Journal of Allergy and Clinical Immunology</i> , <b>2019</b> , 143, 700-711.e5	11.5	12
74	NK Cell Metabolism and Tumor Microenvironment. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 2278	8.4	112
73	Increased expression levels of CD300c on basophils from allergic individuals. <i>World Allergy Organization Journal</i> , <b>2019</b> , 12, 100060	5.2	5
72	CD300 receptor family in viral infections. <i>European Journal of Immunology</i> , <b>2019</b> , 49, 364-374	6.1	23
71	Identification of a panel of serum protein markers in early stage of sepsis and its validation in a cohort of patients. <i>Journal of Microbiology, Immunology and Infection</i> , <b>2018</b> , 51, 465-472	8.5	27
70	Altered Expression of CD300a Inhibitory Receptor on CD4+ T Cells From Human Immunodeficiency Virus-1-Infected Patients: Association With Disease Progression Markers. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 1709	8.4	7
69	Implication of Interleukin-12/15/18 and Ruxolitinib in the Phenotype, Proliferation, and Polyfunctionality of Human Cytokine-Preactivated Natural Killer Cells. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 737	8.4	28
68	Long Interleukin-22 Binding Protein Isoform-1 Is an Intracellular Activator of the Unfolded Protein Response. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 2934	8.4	7
67	Natural Killer Cells to the Attack: Combination Therapy against Neuroblastoma. <i>Clinical Cancer Research</i> , <b>2017</b> , 23, 615-617	12.9	11
66	OP9 Feeder Cells Are Superior to M2-10B4 Cells for the Generation of Mature and Functional Natural Killer Cells from Umbilical Cord Hematopoietic Progenitors. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 755	8.4	14
65	Monocytes Phenotype and Cytokine Production in Human Immunodeficiency Virus-1 Infected Patients Receiving a Modified Vaccinia Ankara-Based HIV-1 Vaccine: Relationship to CD300 Molecules Expression. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 836	8.4	7
64	CD300c is uniquely expressed on CD56 bright Natural Killer Cells and differs from CD300a upon ligand recognition. <i>Scientific Reports</i> , <b>2016</b> , 6, 23942	4.9	19
63	The expression and function of human CD300 receptors on blood circulating mononuclear cells are distinct in neonates and adults. <i>Scientific Reports</i> , <b>2016</b> , 6, 32693	4.9	22
62	Fc Receptor-like 5 Expression Distinguishes Two Distinct Subsets of Human Circulating Tissue-like Memory B Cells. <i>Journal of Immunology</i> , <b>2016</b> , 196, 4064-74	5.3	44
61	The Biology and Disease Relevance of CD300a, an Inhibitory Receptor for Phosphatidylserine and Phosphatidylethanolamine. <i>Journal of Immunology</i> , <b>2015</b> , 194, 5053-60	5.3	55
60	A Human Anti-M2 Antibody Mediates Antibody-Dependent Cell-Mediated Cytotoxicity (ADCC) and Cytokine Secretion by Resting and Cytokine-Preactivated Natural Killer (NK) Cells. <i>PLoS ONE</i> , <b>2015</b> , 10, e0124677	3.7	33
59	Natural killer cells for cancer immunotherapy: pluripotent stem cells-derived NK cells as an immunotherapeutic perspective. <i>Frontiers in Immunology</i> , <b>2014</b> , 5, 439	8.4	62

58	Intact IL-12 signaling is necessary for the generation of human natural killer cells with enhanced effector function after restimulation. <i>Journal of Allergy and Clinical Immunology</i> , <b>2014</b> , 134, 1190-3.e1	11.5	11
57	Involvement of platelet-tumor cell interaction in immune evasion. Potential role of podocalyxin-like protein 1. <i>Frontiers in Oncology</i> , <b>2014</b> , 4, 245	5.3	41
56	Matrix metalloproteinases inhibition promotes the polyfunctionality of human natural killer cells in therapeutic antibody-based anti-tumour immunotherapy. <i>Clinical and Experimental Immunology</i> , <b>2013</b> , 173, 131-9	6.2	43
55	Membrane-type 6 matrix metalloproteinase regulates the activation-induced downmodulation of CD16 in human primary NK cells. <i>Journal of Immunology</i> , <b>2013</b> , 191, 1883-94	5.3	53
54	Mouse IgM Fc receptor, FCMR, promotes B cell development and modulates antigen-driven immune responses. <i>Journal of Immunology</i> , <b>2013</b> , 190, 987-96	5.3	56
53	The CD300 molecules: an emerging family of regulators of the immune system. <i>Blood</i> , <b>2013</b> , 121, 1951-60.2	6.2	139
52	CD300c is an activating receptor expressed on human monocytes. <i>Journal of Innate Immunity</i> , <b>2013</b> , 5, 389-400	6.9	18
51	Human CD300a binds to phosphatidylethanolamine and phosphatidylserine, and modulates the phagocytosis of dead cells. <i>Blood</i> , <b>2012</b> , 119, 2799-809	2.2	113
50	Functional requirements for inhibitory signal transmission by the immunomodulatory receptor CD300a. <i>BMC Immunology</i> , <b>2012</b> , 13, 23	3.7	15
49	U.S. Food and Drug Administration approval summary: brentuximab vedotin for the treatment of relapsed Hodgkin lymphoma or relapsed systemic anaplastic large-cell lymphoma. <i>Clinical Cancer Research</i> , <b>2012</b> , 18, 5845-9	12.9	169
48	Leukocyte-associated Ig-like receptor-1-deficient mice have an altered immune cell phenotype. <i>Journal of Immunology</i> , <b>2012</b> , 188, 548-58	5.3	33
47	Toso, a functional IgM receptor, is regulated by IL-2 in T and NK cells. <i>Journal of Immunology</i> , <b>2012</b> , 189, 587-97	5.3	25
46	CD300a is expressed on human B cells, modulates BCR-mediated signaling, and its expression is down-regulated in HIV infection. <i>Blood</i> , <b>2011</b> , 117, 5870-80	2.2	36
45	Complex regulation of human NKG2D-DAP10 cell surface expression: opposing roles of the $\beta$ cytokines and TGF- $\beta$ . <i>Blood</i> , <b>2011</b> , 118, 3019-27	2.2	86
44	Differential expression of CD300a/c on human TH1 and TH17 cells. <i>BMC Immunology</i> , <b>2011</b> , 12, 62	3.7	20
43	Cutting edge: mouse CD300f (CMRF-35-like molecule-1) recognizes outer membrane-exposed phosphatidylserine and can promote phagocytosis. <i>Journal of Immunology</i> , <b>2011</b> , 187, 3483-7	5.3	69
42	Human Th1 cells that express CD300a are polyfunctional and after stimulation up-regulate the T-box transcription factor eomesodermin. <i>PLoS ONE</i> , <b>2010</b> , 5, e10636	3.7	34
41	Role of the NKG2D Receptor in Health and Disease <b>2010</b> , 261-273		

40	A single residue, arginine 65, is critical for the functional interaction of leukocyte-associated inhibitory receptor-1 with collagens. <i>Journal of Immunology</i> , <b>2009</b> , 182, 5446-52	5-3	22
39	Endocytosis as a mechanism of regulating natural killer cell function: unique endocytic and trafficking pathway for CD94/NKG2A. <i>Immunologic Research</i> , <b>2009</b> , 43, 210-22	4-3	9
38	Endocytosis and intracellular trafficking of human natural killer cell receptors. <i>Traffic</i> , <b>2009</b> , 10, 1735-44	5-7	11
37	Endosomal trafficking of the ligated FcγεRI receptor. <i>Molecular Immunology</i> , <b>2009</b> , 46, 793-802	4-3	17
36	The CD300a (IRp60) inhibitory receptor is rapidly up-regulated on human neutrophils in response to inflammatory stimuli and modulates CD32a (FcγRIIa) mediated signaling. <i>Molecular Immunology</i> , <b>2008</b> , 45, 253-8	4-3	61
35	Regulation of human DAP10 gene expression in NK and T cells by Ap-1 transcription factors. <i>Journal of Immunology</i> , <b>2008</b> , 180, 409-17	5-3	23
34	The NKG2D receptor: immunobiology and clinical implications. <i>Immunologic Research</i> , <b>2008</b> , 40, 18-34	4-3	78
33	Uncommon endocytic and trafficking pathway of the natural killer cell CD94/NKG2A inhibitory receptor. <i>Traffic</i> , <b>2008</b> , 9, 1019-34	5-7	15
32	The heterodimeric assembly of the CD94-NKG2 receptor family and implications for human leukocyte antigen-E recognition. <i>Immunity</i> , <b>2007</b> , 27, 900-11	32-3	70
31	IL-21 down-regulates NKG2D/DAP10 expression on human NK and CD8+ T cells. <i>Journal of Immunology</i> , <b>2006</b> , 176, 1490-7	5-3	102
30	The first molecular basis of the "missing self" hypothesis. <i>Journal of Immunology</i> , <b>2006</b> , 177, 5759-60	5-3	9
29	CD94/NKG2A inhibits NK cell activation by disrupting the actin network at the immunological synapse. <i>Journal of Immunology</i> , <b>2006</b> , 177, 3590-6	5-3	77
28	The high-affinity immunoglobulin-E receptor (FcεRI) is endocytosed by an AP-2/clathrin-independent, dynamin-dependent mechanism. <i>Traffic</i> , <b>2006</b> , 7, 673-85	5-7	40
27	The human CD94 gene encodes multiple, expressible transcripts including a new partner of NKG2A/B. <i>Genes and Immunity</i> , <b>2006</b> , 7, 36-43	4-4	17
26	The CD94/NKG2 family of receptors: from molecules and cells to clinical relevance. <i>Immunologic Research</i> , <b>2006</b> , 35, 263-78	4-3	102
25	The cell biology of the human natural killer cell CD94/NKG2A inhibitory receptor. <i>Molecular Immunology</i> , <b>2005</b> , 42, 485-8	4-3	61
24	The inhibitory leukocyte-associated Ig-like receptor-1 (LAIR-1) is expressed at high levels by human naive T cells and inhibits TCR mediated activation. <i>Molecular Immunology</i> , <b>2005</b> , 42, 1521-30	4-3	55
23	CD94 1A/1B: a window opens into NK-cell development. <i>Blood</i> , <b>2005</b> , 106, 3338-3339	2-2	1

22	NKG2D is a costimulatory receptor for human naive CD8+ T cells. <i>Journal of Immunology</i> , <b>2005</b> , 174, 4480-4	5.4	146
21	GATA-3 is an important transcription factor for regulating human NKG2A gene expression. <i>Journal of Immunology</i> , <b>2005</b> , 174, 2152-9	5.3	38
20	Exclusion of lipid rafts and decreased mobility of CD94/NKG2A receptors at the inhibitory NK cell synapse. <i>Molecular Biology of the Cell</i> , <b>2004</b> , 15, 3210-23	3.5	31
19	Efficient gene transfer into the human natural killer cell line, NKL, using the Amaxa nucleofection system. <i>Journal of Immunological Methods</i> , <b>2004</b> , 284, 133-40	2.5	83
18	Human NKG2F is expressed and can associate with DAP12. <i>Molecular Immunology</i> , <b>2004</b> , 41, 53-62	4.3	34
17	Human CD94 gene expression: dual promoters differing in responsiveness to IL-2 or IL-15. <i>Journal of Immunology</i> , <b>2003</b> , 171, 5277-86	5.3	23
16	Role of regulator of G protein signaling 16 in inflammation-induced T lymphocyte migration and activation. <i>Journal of Immunology</i> , <b>2003</b> , 171, 1542-55	5.3	63
15	NK cell CD94/NKG2A inhibitory receptors are internalized and recycle independently of inhibitory signaling processes. <i>Journal of Immunology</i> , <b>2002</b> , 169, 6102-11	5.3	35
14	Role that each NKG2A immunoreceptor tyrosine-based inhibitory motif plays in mediating the human CD94/NKG2A inhibitory signal. <i>Journal of Immunology</i> , <b>2002</b> , 169, 1948-58	5.3	52
13	Inhibition of CD28-mediated natural cytotoxicity by KIR2DL2 does not require p56(lck) in the NK cell line YT-Indy. <i>Molecular Immunology</i> , <b>2002</b> , 38, 495-503	4.3	7
12	Structure and function of major histocompatibility complex (MHC) class I specific receptors expressed on human natural killer (NK) cells. <i>Molecular Immunology</i> , <b>2002</b> , 38, 637-60	4.3	215
11	CD69 is a stimulatory receptor for natural killer cell and its cytotoxic effect is blocked by CD94 inhibitory receptor. <i>Immunology</i> , <b>1999</b> , 97, 159-65	7.8	141
10	NK phenotypic markers and IL2 response in NK cells from elderly people. <i>Experimental Gerontology</i> , <b>1999</b> , 34, 253-65	4.5	225
9	HLA-E is the ligand for the natural killer cell CD94/NKG2 receptors. <i>Journal of Biomedical Science</i> , <b>1998</b> , 5, 321-31	13.3	23
8	Recognition of human histocompatibility leukocyte antigen (HLA)-E complexed with HLA class I signal sequence-derived peptides by CD94/NKG2 confers protection from natural killer cell-mediated lysis. <i>Journal of Experimental Medicine</i> , <b>1998</b> , 187, 813-8	16.6	571
7	NKG2A complexed with CD94 defines a novel inhibitory natural killer cell receptor. <i>Journal of Experimental Medicine</i> , <b>1997</b> , 185, 795-800	16.6	209
6	Peptides isolated from HLA-Cw*0304 confer different degrees of protection from natural killer cell-mediated lysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1997</b> , 94, 6313-8	11.5	90
5	Ascorbate increases the 1,25 dihydroxyvitamin D3-induced monocytic differentiation of HL-60 cells. <i>Calcified Tissue International</i> , <b>1996</b> , 59, 277-82	3.9	19

4	Calcitriol effect on natural killer cells from hemodialyzed and normal subjects. <i>Calcified Tissue International</i> , <b>1995</b> , 56, 113-7	3.9	20
3	Downregulation of Fc gamma receptor IIIA alpha (CD16-II) on natural killer cells induced by anti-CD16 mAb is independent of protein tyrosine kinases and protein kinase C. <i>Cellular Immunology</i> , <b>1994</b> , 158, 208-17	4.4	37
2	Regulation of CD69 expression on human natural killer cells: differential involvement of protein kinase C and protein tyrosine kinases. <i>European Journal of Immunology</i> , <b>1993</b> , 23, 1039-43	6.1	58
1	T cell activation, highly armed cytotoxic cells and a sharp shift in monocytes CD300 receptors expression is characteristic of patients with severe COVID-19		1