

Francisco Borrego

List of Publications by Citations

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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	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> , 1998 , 187, 813-8	16.6	571
92	NK phenotypic markers and IL2 response in NK cells from elderly people. <i>Experimental Gerontology</i> , 1999 , 34, 253-65	4.5	225
91	Structure and function of major histocompatibility complex (MHC) class I specific receptors expressed on human natural killer (NK) cells. <i>Molecular Immunology</i> , 2002 , 38, 637-60	4.3	215
90	NKG2A complexed with CD94 defines a novel inhibitory natural killer cell receptor. <i>Journal of Experimental Medicine</i> , 1997 , 185, 795-800	16.6	209
89	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> , 2012 , 18, 5845-9	12.9	169
88	NKG2D is a costimulatory receptor for human naive CD8+ T cells. <i>Journal of Immunology</i> , 2005 , 174, 4480-4	5.4	146
87	CD69 is a stimulatory receptor for natural killer cell and its cytotoxic effect is blocked by CD94 inhibitory receptor. <i>Immunology</i> , 1999 , 97, 159-65	7.8	141
86	The CD300 molecules: an emerging family of regulators of the immune system. <i>Blood</i> , 2013 , 121, 1951-60.	6.2	139
85	Human CD300a binds to phosphatidylethanolamine and phosphatidylserine, and modulates the phagocytosis of dead cells. <i>Blood</i> , 2012 , 119, 2799-809	2.2	113
84	NK Cell Metabolism and Tumor Microenvironment. <i>Frontiers in Immunology</i> , 2019 , 10, 2278	8.4	112
83	IL-21 down-regulates NKG2D/DAP10 expression on human NK and CD8+ T cells. <i>Journal of Immunology</i> , 2006 , 176, 1490-7	5.3	102
82	The CD94/NKG2 family of receptors: from molecules and cells to clinical relevance. <i>Immunologic Research</i> , 2006 , 35, 263-78	4.3	102
81	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> , 1997 , 94, 6313-8	11.5	90
80	Complex regulation of human NKG2D-DAP10 cell surface expression: opposing roles of the β cytokines and TGF- β . <i>Blood</i> , 2011 , 118, 3019-27	2.2	86
79	Efficient gene transfer into the human natural killer cell line, NKL, using the Amaxa nucleofection system. <i>Journal of Immunological Methods</i> , 2004 , 284, 133-40	2.5	83
78	The NKG2D receptor: immunobiology and clinical implications. <i>Immunologic Research</i> , 2008 , 40, 18-34	4.3	78
77	CD94/NKG2A inhibits NK cell activation by disrupting the actin network at the immunological synapse. <i>Journal of Immunology</i> , 2006 , 177, 3590-6	5.3	77

76	The heterodimeric assembly of the CD94-NKG2 receptor family and implications for human leukocyte antigen-E recognition. <i>Immunity</i> , 2007 , 27, 900-11	32.3	70
75	Cutting edge: mouse CD300f (CMRF-35-like molecule-1) recognizes outer membrane-exposed phosphatidylserine and can promote phagocytosis. <i>Journal of Immunology</i> , 2011 , 187, 3483-7	5.3	69
74	Role of regulator of G protein signaling 16 in inflammation-induced T lymphocyte migration and activation. <i>Journal of Immunology</i> , 2003 , 171, 1542-55	5.3	63
73	Natural killer cells for cancer immunotherapy: pluripotent stem cells-derived NK cells as an immunotherapeutic perspective. <i>Frontiers in Immunology</i> , 2014 , 5, 439	8.4	62
72	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> , 2008 , 45, 253-8	4.3	61
71	The cell biology of the human natural killer cell CD94/NKG2A inhibitory receptor. <i>Molecular Immunology</i> , 2005 , 42, 485-8	4.3	61
70	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> , 1993 , 23, 1039-43	6.1	58
69	Mouse IgM Fc receptor, FcμR, promotes B cell development and modulates antigen-driven immune responses. <i>Journal of Immunology</i> , 2013 , 190, 987-96	5.3	56
68	The Biology and Disease Relevance of CD300a, an Inhibitory Receptor for Phosphatidylserine and Phosphatidylethanolamine. <i>Journal of Immunology</i> , 2015 , 194, 5053-60	5.3	55
67	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> , 2005 , 42, 1521-30	4.3	55
66	Membrane-type 6 matrix metalloproteinase regulates the activation-induced downmodulation of CD16 in human primary NK cells. <i>Journal of Immunology</i> , 2013 , 191, 1883-94	5.3	53
65	Role that each NKG2A immunoreceptor tyrosine-based inhibitory motif plays in mediating the human CD94/NKG2A inhibitory signal. <i>Journal of Immunology</i> , 2002 , 169, 1948-58	5.3	52
64	Fc Receptor-like 5 Expression Distinguishes Two Distinct Subsets of Human Circulating Tissue-like Memory B Cells. <i>Journal of Immunology</i> , 2016 , 196, 4064-74	5.3	44
63	Matrix metalloproteinases inhibition promotes the polyfunctionality of human natural killer cells in therapeutic antibody-based anti-tumour immunotherapy. <i>Clinical and Experimental Immunology</i> , 2013 , 173, 131-9	6.2	43
62	Involvement of platelet-tumor cell interaction in immune evasion. Potential role of podocalyxin-like protein 1. <i>Frontiers in Oncology</i> , 2014 , 4, 245	5.3	41
61	The high-affinity immunoglobulin-E receptor (FcεRI) is endocytosed by an AP-2/clathrin-independent, dynamin-dependent mechanism. <i>Traffic</i> , 2006 , 7, 673-85	5.7	40
60	GATA-3 is an important transcription factor for regulating human NKG2A gene expression. <i>Journal of Immunology</i> , 2005 , 174, 2152-9	5.3	38
59	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> , 1994 , 158, 208-17	4.4	37

58	CD300a is expressed on human B cells, modulates BCR-mediated signaling, and its expression is down-regulated in HIV infection. <i>Blood</i> , 2011 , 117, 5870-80	2.2	36
57	NK cell CD94/NKG2A inhibitory receptors are internalized and recycle independently of inhibitory signaling processes. <i>Journal of Immunology</i> , 2002 , 169, 6102-11	5.3	35
56	Human Th1 cells that express CD300a are polyfunctional and after stimulation up-regulate the T-box transcription factor eomesodermin. <i>PLoS ONE</i> , 2010 , 5, e10636	3.7	34
55	Human NKG2F is expressed and can associate with DAP12. <i>Molecular Immunology</i> , 2004 , 41, 53-62	4.3	34
54	Leukocyte-associated Ig-like receptor-1-deficient mice have an altered immune cell phenotype. <i>Journal of Immunology</i> , 2012 , 188, 548-58	5.3	33
53	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> , 2015 , 10, e0124677	3.7	33
52	Exclusion of lipid rafts and decreased mobility of CD94/NKG2A receptors at the inhibitory NK cell synapse. <i>Molecular Biology of the Cell</i> , 2004 , 15, 3210-23	3.5	31
51	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> , 2018 , 9, 737	8.4	28
50	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> , 2018 , 51, 465-472	8.5	27
49	Toso, a functional IgM receptor, is regulated by IL-2 in T and NK cells. <i>Journal of Immunology</i> , 2012 , 189, 587-97	5.3	25
48	HLA-E is the ligand for the natural killer cell CD94/NKG2 receptors. <i>Journal of Biomedical Science</i> , 1998 , 5, 321-31	13.3	23
47	Regulation of human DAP10 gene expression in NK and T cells by Ap-1 transcription factors. <i>Journal of Immunology</i> , 2008 , 180, 409-17	5.3	23
46	Human CD94 gene expression: dual promoters differing in responsiveness to IL-2 or IL-15. <i>Journal of Immunology</i> , 2003 , 171, 5277-86	5.3	23
45	CD300 receptor family in viral infections. <i>European Journal of Immunology</i> , 2019 , 49, 364-374	6.1	23
44	A single residue, arginine 65, is critical for the functional interaction of leukocyte-associated inhibitory receptor-1 with collagens. <i>Journal of Immunology</i> , 2009 , 182, 5446-52	5.3	22
43	The expression and function of human CD300 receptors on blood circulating mononuclear cells are distinct in neonates and adults. <i>Scientific Reports</i> , 2016 , 6, 32693	4.9	22
42	Differential expression of CD300a/c on human TH1 and TH17 cells. <i>BMC Immunology</i> , 2011 , 12, 62	3.7	20
41	Calcitriol effect on natural killer cells from hemodialyzed and normal subjects. <i>Calcified Tissue International</i> , 1995 , 56, 113-7	3.9	20

40	CD300c is uniquely expressed on CD56 bright Natural Killer Cells and differs from CD300a upon ligand recognition. <i>Scientific Reports</i> , 2016 , 6, 23942	4.9	19
39	Ascorbate increases the 1,25 dihydroxyvitamin D3-induced monocytic differentiation of HL-60 cells. <i>Calcified Tissue International</i> , 1996 , 59, 277-82	3.9	19
38	CD300c is an activating receptor expressed on human monocytes. <i>Journal of Innate Immunity</i> , 2013 , 5, 389-400	6.9	18
37	Endosomal trafficking of the ligated Fc γ RIII receptor. <i>Molecular Immunology</i> , 2009 , 46, 793-802	4.3	17
36	The human CD94 gene encodes multiple, expressible transcripts including a new partner of NKG2A/B. <i>Genes and Immunity</i> , 2006 , 7, 36-43	4.4	17
35	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> , 2021 , 12, 655934	8.4	17
34	Functional requirements for inhibitory signal transmission by the immunomodulatory receptor CD300a. <i>BMC Immunology</i> , 2012 , 13, 23	3.7	15
33	Uncommon endocytic and trafficking pathway of the natural killer cell CD94/NKG2A inhibitory receptor. <i>Traffic</i> , 2008 , 9, 1019-34	5.7	15
32	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> , 2017 , 8, 755	8.4	14
31	CD300a inhibits CD16-mediated NK cell effector functions in HIV-1-infected patients. <i>Cellular and Molecular Immunology</i> , 2019 , 16, 940-942	15.4	12
30	NK Cell-Based Immunotherapy in Renal Cell Carcinoma. <i>Cancers</i> , 2020 , 12,	6.6	12
29	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> , 2019 , 143, 700-711.e5	11.5	12
28	Natural Killer Cells to the Attack: Combination Therapy against Neuroblastoma. <i>Clinical Cancer Research</i> , 2017 , 23, 615-617	12.9	11
27	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> , 2014 , 134, 1190-3.e1	11.5	11
26	Endocytosis and intracellular trafficking of human natural killer cell receptors. <i>Traffic</i> , 2009 , 10, 1735-44	5.7	11
25	Endocytosis as a mechanism of regulating natural killer cell function: unique endocytic and trafficking pathway for CD94/NKG2A. <i>Immunologic Research</i> , 2009 , 43, 210-22	4.3	9
24	The first molecular basis of the "missing self" hypothesis. <i>Journal of Immunology</i> , 2006 , 177, 5759-60	5.3	9
23	A Nkp80-Based Identification Strategy Reveals that CD56 NK Cells Are Not Completely Dysfunctional in Health and Disease. <i>iScience</i> , 2020 , 23, 101298	6.1	9

22	Modulating NK cell metabolism for cancer immunotherapy. <i>Seminars in Hematology</i> , 2020 , 57, 213-224	4	9
21	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> , 2020 , 21,	6.3	8
20	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> , 2018 , 9, 1709	8.4	7
19	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> , 2017 , 8, 836	8.4	7
18	Inhibition of CD28-mediated natural cytotoxicity by KIR2DL2 does not require p56(lck) in the NK cell line YT-Indy. <i>Molecular Immunology</i> , 2002 , 38, 495-503	4.3	7
17	Long Interleukin-22 Binding Protein Isoform-1 Is an Intracellular Activator of the Unfolded Protein Response. <i>Frontiers in Immunology</i> , 2018 , 9, 2934	8.4	7
16	Identification and Functional Analysis of Human CD56 NK Cells by Flow Cytometry. <i>STAR Protocols</i> , 2020 , 1, 100149	1.4	6
15	Metabolic changes of Interleukin-12/15/18-stimulated human NK cells. <i>Scientific Reports</i> , 2021 , 11, 64724	4.9	6
14	CFSE dilution to study human T and NK cell proliferation in vitro. <i>Methods in Enzymology</i> , 2020 , 631, 239-255	2.5	6
13	Increased expression levels of CD300c on basophils from allergic individuals. <i>World Allergy Organization Journal</i> , 2019 , 12, 100060	5.2	5
12	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> , 2021 , 76, 1553-1556	9.3	3
11	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> , 2021 , 176, 113860	18.5	3
10	Polyfunctional HIV-1 specific response by CD8+ T lymphocytes expressing high levels of CD300a. <i>Scientific Reports</i> , 2020 , 10, 6070	4.9	2
9	CD94 1A/1B: a window opens into NK-cell development. <i>Blood</i> , 2005 , 106, 3338-3339	2.2	1
8	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
7	CD300a identifies a CD4+ memory T cell subset with a higher susceptibility to HIV-1 infection. <i>Aids</i> , 2020 , 34, 1249-1252	3.5	1
6	Human NK Cells in Autologous Hematopoietic Stem Cell Transplantation for Cancer Treatment. <i>Cancers</i> , 2021 , 13,	6.6	1
5	Nanoparticles and trained immunity: Glimpse into the future. <i>Advanced Drug Delivery Reviews</i> , 2021 , 175, 113821	18.5	1

4	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> , 2021 , 9, 734645	3.4	○
3	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> , 2021 , 12, 748207	8.4	○
2	Role of NK Cells in Tumor Progression.. <i>Experientia Supplementum (2012)</i> , 2022 , 113, 169-187	2.2	○
1	Role of the NKG2D Receptor in Health and Disease 2010 , 261-273		