Carlos Vilches

List of Publications by Year in descending order

89 papers	5,263 citations	101543 36 h-index	85541 71 g-index
93 all docs	93 docs citations	93 times ranked	5589 citing authors

#	Article	IF	Citations
1	KIR: Diverse, Rapidly Evolving Receptors of Innate and Adaptive Immunity. Annual Review of Immunology, 2002, 20, 217-251.	21.8	890
2	Imprint of human cytomegalovirus infection on the NK cell receptor repertoire. Blood, 2004, 104, 3664-3671.	1.4	754
3	Different NK Cell Surface Phenotypes Defined by the DX9 Antibody Are Due toKIR3DL1Gene Polymorphism. Journal of Immunology, 2001, 166, 2992-3001.	0.8	251
4	Killer-cell immunoglobulin-like receptor (KIR) nomenclature report, 2002. Tissue Antigens, 2003, 62, 79-86.	1.0	216
5	Facilitation of KIR genotyping by a PCRâ€SSP method that amplifies short DNA fragments. Tissue Antigens, 2007, 70, 415-422.	1.0	167
6	Genotyping of human killer-cell immunoglobulin-like receptor genes by polymerase chain reaction with sequence-specific primers: An update. Tissue Antigens, 2002, 59, 184-193.	1.0	144
7	Killer-cell Immunoglobulin-like Receptor (KIR) Nomenclature Report, 2002. Human Immunology, 2003, 64, 648-654.	2.4	135
8	Adaptive reconfiguration of the human NKâ€cell compartment in response to cytomegalovirus: A different perspective of the hostâ€pathogen interaction. European Journal of Immunology, 2013, 43, 1133-1141.	2.9	126
9	Antibody-Mediated Response of NKG2Cbright NK Cells against Human Cytomegalovirus. Journal of Immunology, 2015, 194, 2715-2724.	0.8	110
10	The CD94/NKG2C+ NK-cell subset on the edge of innate and adaptive immunity to human cytomegalovirus infection. Seminars in Immunology, 2014, 26, 145-151.	5.6	102
11	NKG2C zygosity influences CD94/NKG2C receptor function and the NKâ€cell compartment redistribution in response to human cytomegalovirus. European Journal of Immunology, 2013, 43, 3268-3278.	2.9	98
12	KIR2DL5, a Novel Killer-Cell Receptor with a D0-D2 Configuration of Ig-Like Domains. Journal of Immunology, 2000, 164, 5797-5804.	0.8	95
13	Some human KIR haplotypes contain two KIR2DL5 genes: KIR2DL5A and KIR2DL5B. Immunogenetics, 2002, 54, 314-319.	2.4	92
14	Influence of congenital human cytomegalovirus infection and the NKG2C genotype on NKâ€cell subset distribution in children. European Journal of Immunology, 2012, 42, 3256-3266.	2.9	91
15	Gene Structure and Promoter Variation of Expressed and Nonexpressed Variants of the KIR2DL5 Gene. Journal of Immunology, 2000, 165, 6416-6421.	0.8	88
16	Desmosomal protein gene mutations in patients with idiopathic dilated cardiomyopathy undergoing cardiac transplantation: a clinicopathological study. Heart, 2011, 97, 1744-1752.	2.9	82
17	Three Structurally and Functionally Divergent Kinds of Promoters Regulate Expression of Clonally Distributed Killer Cell Ig-Like Receptors (KIR), of KIR2DL4, and of KIR3DL3. Journal of Immunology, 2005, 174, 4135-4143.	0.8	77
18	Relationship of NKG2C Copy Number with the Distribution of Distinct Cytomegalovirus-Induced Adaptive NK Cell Subsets. Journal of Immunology, 2016, 196, 3818-3827.	0.8	75

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19	Host Genetic Factors in Susceptibility to Herpes Simplex Type 1 Virus Infection: Contribution of Polymorphic Genes at the Interface of Innate and Adaptive Immunity. Journal of Immunology, 2012, 188, 4412-4420.	0.8	72
20	The silentKIR3DP1gene (CD158c) is transcribed and might encode a secreted receptor in a minority of humans, in whom theKIR3DP1,KIR2DL4andKIR3DL1/KIR3DS1genes are duplicated. European Journal of Immunology, 2005, 35, 16-24.	2.9	71
21	Recognition of HLA-G by the NK cell receptor KIR2DL4 is not essential for human reproduction. European Journal of Immunology, 2003, 33, 639-644.	2.9	69
22	Design and Implementation of the International Genetics and Translational Research in Transplantation Network. Transplantation, 2015, 99, 2401-2412.	1.0	60
23	Genetic basis of familial dilated cardiomyopathy patients undergoing heart transplantation. Journal of Heart and Lung Transplantation, 2016, 35, 625-635.	0.6	60
24	Adaptive NKG2C+ NK Cell Response and the Risk of Cytomegalovirus Infection in Kidney Transplant Recipients. Journal of Immunology, 2017, 198, 94-101.	0.8	58
25	Genetic basis of endâ€stage hypertrophic cardiomyopathy. European Journal of Heart Failure, 2011, 13, 1193-1201.	7.1	57
26	NK Cell and Ig Interplay in Defense against Herpes Simplex Virus Type 1: Epistatic Interaction of CD16A and IgG1 Allotypes of Variable Affinities Modulates Antibody-Dependent Cellular Cytotoxicity and Susceptibility to Clinical Reactivation. Journal of Immunology, 2015, 195, 1676-1684.	0.8	56
27	Human KIR2DL5 Is an Inhibitory Receptor Expressed on the Surface of NK and T Lymphocyte Subsets. Journal of Immunology, 2007, 178, 4402-4410.	0.8	55
28	DR7 and DQ2 are positively associated with immunoglobulin-E response to the main antigen of olive pollen (Ole e I) in allergic patients. Human Immunology, 1993, 38, 293-299.	2.4	42
29	KIR2DL5: An Orphan Inhibitory Receptor Displaying Complex Patterns of Polymorphism and Expression. Frontiers in Immunology, 2012, 3, 289.	4.8	42
30	Assessment of copyâ€number variation in the <scp>NKG2C</scp> receptor gene in a singleâ€tube and characterization of a reference cell panel, using standard polymerase chain reaction. Tissue Antigens, 2012, 80, 184-187.	1.0	42
31	Haplo-Cord Transplantation Using CD34+ Cells from a Third-Party Donor to Speed Engraftment in High-Risk Patients with Hematologic Disorders. Biology of Blood and Marrow Transplantation, 2014, 20, 2015-2022.	2.0	42
32	Genes encoding human killer-cell Ig-like receptors with D1 and D2 extracellular domains all contain untranslated pseudoexons encoding a third Ig-like domain. Immunogenetics, 2000, 51, 639-646.	2.4	40
33	Epigenetic silencing of potentially functional KIR2DL5 alleles: Implications for the acquisition of KIR repertoires by NK cells. European Journal of Immunology, 2007, 37, 1954-1965.	2.9	40
34	Dual Role of Natural Killer Cells on Graft Rejection and Control of Cytomegalovirus Infection in Renal Transplantation. Frontiers in Immunology, 2017, 8, 166.	4.8	39
35	Human Cytomegalovirus Antigen Presentation by HLA-DR+ NKG2C+ Adaptive NK Cells Specifically Activates Polyfunctional Effector Memory CD4+ T Lymphocytes. Frontiers in Immunology, 2019, 10, 687.	4.8	39
36	Influence of KIR gene diversity on the course of HSV-1 infection: resistance to the disease is associated with the absence of KIR2DL2 and KIR2DS2. Tissue Antigens, 2007, 70, 34-41.	1.0	37

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37	Human NK cells activated by EBV⁺lymphoblastoid cells overcome anti-apoptotic mechanisms of drug resistance in haematological cancer cells. OncoImmunology, 2015, 4, e991613.	4.6	36
38	Molecular cloning and polymerase chain reaction-sequence-specific oligonucleotide detection of the allele encoding the novel allospecificity HLA-Cw6.2 (Cwâ^—1502) in Spanish gypsies. Human Immunology, 1993, 37, 259-263.	2.4	33
39	Distribution of HLA antigens in Spanish Gypsies: A comparative study. Tissue Antigens, 1992, 40, 187-196.	1.0	32
40	HLA-B73: an atypical HLA-B molecule carrying a Bw6-epitope motif variant and a B pocket identical to HLA-B27. Immunogenetics, 1994, 40, 166-166.	2.4	30
41	Haplotype-Based Analysis of KIR-Gene Profiles in a South European Populationâ€"Distribution of Standard and Variant Haplotypes, and Identification of Novel Recombinant Structures. Frontiers in Immunology, 2020, 11, 440.	4.8	27
42	Activated Allogeneic NK Cells Preferentially Kill Poor Prognosis B-Cell Chronic Lymphocytic Leukemia Cells. Frontiers in Immunology, 2016, 7, 454.	4.8	26
43	High Numbers of Circulating CD57+ NK Cells Associate with Resistance to HER2-Specific Therapeutic Antibodies in HER2+ Primary Breast Cancer. Cancer Immunology Research, 2019, 7, 1280-1292.	3.4	25
44	High-resolution characterization of allelic and haplotypic HLA frequency distribution in a Spanish population using high-throughput next-generation sequencing. Human Immunology, 2019, 80, 429-436.	2.4	23
45	Expanded and activated allogeneic NK cells are cytotoxic against B-chronic lymphocytic leukemia (B-CLL) cells with sporadic cases of resistance. Scientific Reports, 2020, 10, 19398.	3.3	23
46	Do NK-cell receptors and alloreactivity affect solid organ transplantation?. Transplant Immunology, 2006, 17, 27-30.	1.2	22
47	Mitochondrial haplogroups associated with end-stage heart failure and coronary allograft vasculopathy in heart transplant patients. European Heart Journal, 2012, 33, 346-353.	2.2	22
48	Identification of Anti-tumor Cells Carrying Natural Killer (NK) Cell Antigens in Patients With Hematological Cancers. EBioMedicine, 2015, 2, 1364-1376.	6.1	22
49	Increased Risk of Severe Hepatitis C Virus Recurrence After Liver Transplantation in Patients With a T Allele of IL28B rs12979860. Transplantation, 2012, 94, 275-280.	1.0	21
50	NK Cell Killer Ig-like Receptor Repertoire Acquisition and Maturation Are Strongly Modulated by HLA Class I Molecules. Journal of Immunology, 2014, 192, 2602-2610.	0.8	19
51	Multiple Viral Ligands Naturally Presented by Different Class I Molecules in Transporter Antigen Processing-Deficient Vaccinia Virus-Infected Cells. Journal of Virology, 2012, 86, 527-541.	3.4	18
52	Nucleotide sequence of HLA-B * 2706. Immunogenetics, 1994, 39, 219-219.	2.4	15
53	Pretransplant adaptive NKG2C+ NK cells protect against cytomegalovirus infection in kidney transplant recipients. American Journal of Transplantation, 2020, 20, 663-676.	4.7	15
54	Molecular characterization of a novel, serologically detectable, HLA-C allele: Cwâ^—1602. Human Immunology, 1994, 41, 167-170.	2.4	13

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55	Natural killer cell hyporesponsiveness and impaired development in a CD247-deficient patient. Journal of Allergy and Clinical Immunology, 2016, 137, 942-945.e4.	2.9	12
56	Immunological features of patients affected by Barraquer-Simons syndrome. Orphanet Journal of Rare Diseases, 2020, 15, 9.	2.7	11
57	Cw * 1505: a novel HLA-C allele isolated from a B * 7301 haplotype. Immunogenetics, 1994, 40, 313-313.	2.4	10
58	Group-Specific Amplification of cDNA From DRB1 Genes. Complete Coding Sequences of Partially Defined Alleles and Identification of the New Alleles DRB1*040602, DRB1*111102, DRB1*080103, and DRB1*0113. Human Immunology, 2006, 67, 1008-1016.	2.4	10
59	Simple genotyping of functional polymorphisms of the human immunoglobulin G receptors CD16A and CD32A: a reference cell panel. Tissue Antigens, 2008, 71, 242-246.	1.0	10
60	HLA-partially matched cellular therapy (stem-cell microtransplantation) for acute myeloid leukaemia: description of four cases. British Journal of Haematology, 2014, 165, 580-581.	2.5	10
61	Novel association of five HLA alleles with HIV-1 progression in Spanish long-term non progressor patients. PLoS ONE, 2019, 14, e0220459.	2.5	10
62	Identification of the first cases of complete CD16A deficiency: Association with persistent EBV infection. Journal of Allergy and Clinical Immunology, 2020, 145, 1288-1292.	2.9	10
63	Complementary DNA sequence of the novel HLA-B*3704 allele. Tissue Antigens, 2002, 59, 142-144.	1.0	9
64	HLA Allele E*01:01 Is Associated with a Reduced Risk of EBV-Related Classical Hodgkin Lymphoma Independently of HLA-A*01/*02. PLoS ONE, 2015, 10, e0135512.	2.5	9
65	Allelic Polymorphism Determines Surface Expression or Intracellular Retention of the Human NK Cell Receptor KIR2DL5A (CD158f). Frontiers in Immunology, 2016, 7, 698.	4.8	9
66	Singleâ€reaction multiâ€antigen serological test for comprehensive evaluation of SARSâ€CoVâ€2 patients by flow cytometry. European Journal of Immunology, 2021, 51, 2633-2640.	2.9	9
67	Typical Chronic Myelogenous Leukemia With e19a2 Junction BCR/ABL Transcript. Blood, 1997, 90, 5024-5024.	1.4	9
68	Characterization of an HLA-DR15 DQ5 haplotype found in the Spanish caucasoid population. Human Immunology, 1992, 35, 223-229.	2.4	8
69	Alleleâ€specific amplification of the complete HLAâ€C gene from genomic DNA â€“ a novel Cw4 allele (C*04:71) with a Cw1 motif in the peptideâ€binding site. Tissue Antigens, 2012, 79, 291-294.	1.0	8
70	Rapidity of fibrosis progression in liver transplant recipients with recurrent hepatitis C is influenced by tollâ€like receptor 3 polymorphism. Clinical Transplantation, 2016, 30, 810-818.	1.6	8
71	Interleukin-28B TT genotype is frequently found in patients with hepatitis C virus cirrhosis but does not influence hepatocarcinogenesis. Clinical and Experimental Medicine, 2017, 17, 217-223.	3.6	8
72	KIR Typing by Non-Sequencing Methods: Polymerase-Chain Reaction with Sequence-Specific Primers. Methods in Molecular Biology, 2012, 882, 415-430.	0.9	7

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73	MHC Class I Peptide Binding and Tapasin. Journal of Immunology, 2003, 171, 3-3.	0.8	5
74	Hemizygous amplification and complete Sanger sequencing of <scp>HLAâ€Œ</scp>*07:37:01:02 from a South European Caucasoid. Hla, 2021, 97, 159-161.	0.6	4
75	Complete genomic characterization of a new <scp>KLRC2</scp> allele, <scp>NKG2C</scp>*03. Hla, 2021, 98, 259-261.	0.6	4
76	Nucleotide sequence of HLA-B * 2706. Immunogenetics, 1995, 43, 114-114.	2.4	3
77	An apparent KIR2DS2â€negative KIR2DL2â€positive genotype discloses the novel allele KIR2DS2*00104. Tissue Antigens, 2007, 70, 350-351.	1.0	2
78	Advancing allele groupâ€specific amplification of the complete <scp>HLA</scp>â€Œ geneâ€"isolation of novel alleles from three allele groups (C*04, C*07 and C*08). Tissue Antigens, 2013, 82, 280-285.	1.0	2
79	Association of DDX58 177 Câ€‰>â€‰T polymorphism with decreased risk of Epsteinâ€"Barr virus-related nodular sclerosis classical Hodgkin lymphoma. Leukemia and Lymphoma, 2017, 58, 438-444.	1.3	2
80	FCGR Genetic Variation in Two Populations From Ecuador Highlandsâ€"Extensive Copy-Number Variation, Distinctive Distribution of Functional Polymorphisms, and a Novel, Locally Common, Chimeric FCGR3B/A (CD16B/A) Gene. Frontiers in Immunology, 2021, 12, 615645.	4.8	2
81	A simple genotyping method for CD247 3â€²â€untranslated region polymorphism rs1052231 and characterization of a reference cell panel. Hla, 2021, 98, 218-222.	0.6	2
82	Long-Term Evolution of the Adaptive NKG2C+ NK Cell Response to Cytomegalovirus Infection in Kidney Transplantation: An Insight on the Diversity of Hostâ€"Pathogen Interaction. Journal of Immunology, 2021, 207, 1882-1890.	0.8	2
83	Diversity of <scp> NKG2C </scp> genotypes in a European population â€" Conserved and recombinant haplotypes in the coding, promoter and 3â€™â€untranslated regions. Hla, 0, , .	0.6	2
84	Allelic polymorphism in the coding region of human TCR CÎ± gene and characterization of structural variability in the Îµ chain constant domain. International Immunology, 1994, 6, 223-230.	4.0	1
85	Distribution of HLA-B61 alleles in Northeast-Asian populations and in Spanish Gypsies. Human Immunology, 1996, 47, 59.	2.4	1
86	The 5â€² intergenic, promoter, pseudoexon 3 and complete coding sequences of the hybrid gene KIR2DS3*002. Tissue Antigens, 2008, 72, 504-505.	1.0	1
87	Influence of the FCGR3A-158 V/F and FCGR2A-131 H/R Polymorphism on the Response to Rituximab Therapy in Immune Thrombocytopenic Purpura and Autoimmune Hemolytic Anemia.. Blood, 2007, 110, 2097-2097.	1.4	1
88	HLA-B35 alleles in 282 individuals from nine different populations of Europe and Israel. Immunogenetics, 1997, 46, 524-528.	2.4	0
89	Host Genomics and Response to Infectious Agents. , 2015, , 67-90.		0