

# Carlos Vilches

## List of Publications by Year in descending order

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89  
papers

5,263  
citations

101543

36  
h-index

85541

71  
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93  
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93  
docs citations

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times ranked

5589  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hemizygous amplification and complete Sanger sequencing of <i>HLA-C*07:37:01:02</i> from a South European Caucasoid. <i>Hla</i> , 2021, 97, 159-161.	0.6	4
2	Complete genomic characterization of a new <i>KLRC2</i> allele, <i>NKG2C*03</i> . <i>Hla</i> , 2021, 98, 259-261.	0.6	4
3	FCGR Genetic Variation in Two Populations From Ecuador Highlands—Extensive Copy-Number Variation, Distinctive Distribution of Functional Polymorphisms, and a Novel, Locally Common, Chimeric FCGR3B/A (CD16B/A) Gene. <i>Frontiers in Immunology</i> , 2021, 12, 615645.	4.8	2
4	A simple genotyping method for CD247 3′ untranslated region polymorphism rs1052231 and characterization of a reference cell panel. <i>Hla</i> , 2021, 98, 218-222.	0.6	2
5	Single-antigen serological test for comprehensive evaluation of SARS-CoV-2 patients by flow cytometry. <i>European Journal of Immunology</i> , 2021, 51, 2633-2640.	2.9	9
6	Long-Term Evolution of the Adaptive NKG2C+ NK Cell Response to Cytomegalovirus Infection in Kidney Transplantation: An Insight on the Diversity of Host-Pathogen Interaction. <i>Journal of Immunology</i> , 2021, 207, 1882-1890.	0.8	2
7	Pretransplant adaptive NKG2C+ NK cells protect against cytomegalovirus infection in kidney transplant recipients. <i>American Journal of Transplantation</i> , 2020, 20, 663-676.	4.7	15
8	Immunological features of patients affected by Barraquer-Simons syndrome. <i>Orphanet Journal of Rare Diseases</i> , 2020, 15, 9.	2.7	11
9	Expanded and activated allogeneic NK cells are cytotoxic against B-chronic lymphocytic leukemia (B-CLL) cells with sporadic cases of resistance. <i>Scientific Reports</i> , 2020, 10, 19398.	3.3	23
10	Identification of the first cases of complete CD16A deficiency: Association with persistent EBV infection. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 145, 1288-1292.	2.9	10
11	Haplotype-Based Analysis of KIR-Gene Profiles in a South European Population—Distribution of Standard and Variant Haplotypes, and Identification of Novel Recombinant Structures. <i>Frontiers in Immunology</i> , 2020, 11, 440.	4.8	27
12	Novel association of five HLA alleles with HIV-1 progression in Spanish long-term non progressor patients. <i>PLoS ONE</i> , 2019, 14, e0220459.	2.5	10
13	High Numbers of Circulating CD57+ NK Cells Associate with Resistance to HER2-Specific Therapeutic Antibodies in HER2+ Primary Breast Cancer. <i>Cancer Immunology Research</i> , 2019, 7, 1280-1292.	3.4	25
14	Human Cytomegalovirus Antigen Presentation by HLA-DR+ NKG2C+ Adaptive NK Cells Specifically Activates Polyfunctional Effector Memory CD4+ T Lymphocytes. <i>Frontiers in Immunology</i> , 2019, 10, 687.	4.8	39
15	High-resolution characterization of allelic and haplotypic HLA frequency distribution in a Spanish population using high-throughput next-generation sequencing. <i>Human Immunology</i> , 2019, 80, 429-436.	2.4	23
16	Interleukin-28B TT genotype is frequently found in patients with hepatitis C virus cirrhosis but does not influence hepatocarcinogenesis. <i>Clinical and Experimental Medicine</i> , 2017, 17, 217-223.	3.6	8
17	Association of <i>DDX58</i> 177 C>T polymorphism with decreased risk of Epstein-Barr virus-related nodular sclerosing classical Hodgkin lymphoma. <i>Leukemia and Lymphoma</i> , 2017, 58, 438-444.	1.3	2
18	Adaptive NKG2C+ NK Cell Response and the Risk of Cytomegalovirus Infection in Kidney Transplant Recipients. <i>Journal of Immunology</i> , 2017, 198, 94-101.	0.8	58

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19	Dual Role of Natural Killer Cells on Graft Rejection and Control of Cytomegalovirus Infection in Renal Transplantation. <i>Frontiers in Immunology</i> , 2017, 8, 166.	4.8	39
20	Activated Allogeneic NK Cells Preferentially Kill Poor Prognosis B-Cell Chronic Lymphocytic Leukemia Cells. <i>Frontiers in Immunology</i> , 2016, 7, 454.	4.8	26
21	Rapidity of fibrosis progression in liver transplant recipients with recurrent hepatitis C is influenced by toll-like receptor 3 polymorphism. <i>Clinical Transplantation</i> , 2016, 30, 810-818.	1.6	8
22	Relationship of <i>NKG2C</i> Copy Number with the Distribution of Distinct Cytomegalovirus-Induced Adaptive NK Cell Subsets. <i>Journal of Immunology</i> , 2016, 196, 3818-3827.	0.8	75
23	Natural killer cell hyporesponsiveness and impaired development in a CD247-deficient patient. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 942-945.e4.	2.9	12
24	Genetic basis of familial dilated cardiomyopathy patients undergoing heart transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2016, 35, 625-635.	0.6	60
25	Allelic Polymorphism Determines Surface Expression or Intracellular Retention of the Human NK Cell Receptor KIR2DL5A (CD158f). <i>Frontiers in Immunology</i> , 2016, 7, 698.	4.8	9
26	Identification of Anti-tumor Cells Carrying Natural Killer (NK) Cell Antigens in Patients With Hematological Cancers. <i>EBioMedicine</i> , 2015, 2, 1364-1376.	6.1	22
27	Design and Implementation of the International Genetics and Translational Research in Transplantation Network. <i>Transplantation</i> , 2015, 99, 2401-2412.	1.0	60
28	HLA Allele E*01:01 Is Associated with a Reduced Risk of EBV-Related Classical Hodgkin Lymphoma Independently of HLA-A*01/*02. <i>PLoS ONE</i> , 2015, 10, e0135512.	2.5	9
29	Antibody-Mediated Response of NKG2C <sup>bright</sup> NK Cells against Human Cytomegalovirus. <i>Journal of Immunology</i> , 2015, 194, 2715-2724.	0.8	110
30	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. <i>Journal of Immunology</i> , 2015, 195, 1676-1684.	0.8	56
31	Human NK cells activated by EBV <sup>+</sup> lymphoblastoid cells overcome anti-apoptotic mechanisms of drug resistance in haematological cancer cells. <i>OncImmunology</i> , 2015, 4, e991613.	4.6	36
32	Host Genomics and Response to Infectious Agents. , 2015, , 67-90.		0
33	The CD94/NKG2C <sup>+</sup> NK-cell subset on the edge of innate and adaptive immunity to human cytomegalovirus infection. <i>Seminars in Immunology</i> , 2014, 26, 145-151.	5.6	102
34	HLA-partially matched cellular therapy (stem-cell microtransplantation) for acute myeloid leukaemia: description of four cases. <i>British Journal of Haematology</i> , 2014, 165, 580-581.	2.5	10
35	Haplo-Cord Transplantation Using CD34 <sup>+</sup> Cells from a Third-Party Donor to Speed Engraftment in High-Risk Patients with Hematologic Disorders. <i>Biology of Blood and Marrow Transplantation</i> , 2014, 20, 2015-2022.	2.0	42
36	NK Cell Killer Ig-like Receptor Repertoire Acquisition and Maturation Are Strongly Modulated by HLA Class I Molecules. <i>Journal of Immunology</i> , 2014, 192, 2602-2610.	0.8	19

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37	<i>NKG2C</i> zygosity influences CD94/NKG2C receptor function and the NK cell compartment redistribution in response to human cytomegalovirus. <i>European Journal of Immunology</i> , 2013, 43, 3268-3278.	2.9	98
38	Adaptive reconfiguration of the human NK cell compartment in response to cytomegalovirus: A different perspective of the host-pathogen interaction. <i>European Journal of Immunology</i> , 2013, 43, 1133-1141.	2.9	126
39	Advancing allele group-specific amplification of the complete HLA gene isolation of novel alleles from three allele groups ( <i>C*04</i> , <i>C*07</i> and <i>C*08</i> ). <i>Tissue Antigens</i> , 2013, 82, 280-285.	1.0	2
40	KIR2DL5: An Orphan Inhibitory Receptor Displaying Complex Patterns of Polymorphism and Expression. <i>Frontiers in Immunology</i> , 2012, 3, 289.	4.8	42
41	Multiple Viral Ligands Naturally Presented by Different Class I Molecules in Transporter Antigen Processing-Deficient Vaccinia Virus-Infected Cells. <i>Journal of Virology</i> , 2012, 86, 527-541.	3.4	18
42	Mitochondrial haplogroups associated with end-stage heart failure and coronary allograft vasculopathy in heart transplant patients. <i>European Heart Journal</i> , 2012, 33, 346-353.	2.2	22
43	Increased Risk of Severe Hepatitis C Virus Recurrence After Liver Transplantation in Patients With a T Allele of IL28B rs12979860. <i>Transplantation</i> , 2012, 94, 275-280.	1.0	21
44	Influence of congenital human cytomegalovirus infection and the NKG2C genotype on NK cell subset distribution in children. <i>European Journal of Immunology</i> , 2012, 42, 3256-3266.	2.9	91
45	KIR Typing by Non-Sequencing Methods: Polymerase-Chain Reaction with Sequence-Specific Primers. <i>Methods in Molecular Biology</i> , 2012, 882, 415-430.	0.9	7
46	Host Genetic Factors in Susceptibility to Herpes Simplex Type 1 Virus Infection: Contribution of Polymorphic Genes at the Interface of Innate and Adaptive Immunity. <i>Journal of Immunology</i> , 2012, 188, 4412-4420.	0.8	72
47	Allele-specific amplification of the complete HLA gene from genomic DNA a novel Cw4 allele ( <i>C*04:71</i> ) with a Cw1 motif in the peptide-binding site. <i>Tissue Antigens</i> , 2012, 79, 291-294.	1.0	8
48	Assessment of copy number variation in the <i>NKG2C</i> receptor gene in a single tube and characterization of a reference cell panel, using standard polymerase chain reaction. <i>Tissue Antigens</i> , 2012, 80, 184-187.	1.0	42
49	Genetic basis of end-stage hypertrophic cardiomyopathy. <i>European Journal of Heart Failure</i> , 2011, 13, 1193-1201.	7.1	57
50	Desmosomal protein gene mutations in patients with idiopathic dilated cardiomyopathy undergoing cardiac transplantation: a clinicopathological study. <i>Heart</i> , 2011, 97, 1744-1752.	2.9	82
51	Simple genotyping of functional polymorphisms of the human immunoglobulin G receptors CD16A and CD32A: a reference cell panel. <i>Tissue Antigens</i> , 2008, 71, 242-246.	1.0	10
52	The 5' intergenic, promoter, pseudoexon 3 and complete coding sequences of the hybrid gene <i>KIR2DS3*002</i> . <i>Tissue Antigens</i> , 2008, 72, 504-505.	1.0	1
53	Human KIR2DL5 Is an Inhibitory Receptor Expressed on the Surface of NK and T Lymphocyte Subsets. <i>Journal of Immunology</i> , 2007, 178, 4402-4410.	0.8	55
54	Epigenetic silencing of potentially functional <i>KIR2DL5</i> alleles: Implications for the acquisition of KIR repertoires by NK cells. <i>European Journal of Immunology</i> , 2007, 37, 1954-1965.	2.9	40

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55	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. <i>Tissue Antigens</i> , 2007, 70, 34-41.	1.0	37
56	An apparent <i>KIR2DS2</i>-negative <i>KIR2DL2</i>-positive genotype discloses the novel allele <i>KIR2DS2*00104</i>. <i>Tissue Antigens</i> , 2007, 70, 350-351.	1.0	2
57	Facilitation of <i>KIR</i> genotyping by a PCR-SSP method that amplifies short DNA fragments. <i>Tissue Antigens</i> , 2007, 70, 415-422.	1.0	167
58	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.. <i>Blood</i> , 2007, 110, 2097-2097.	1.4	1
59	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. <i>Human Immunology</i> , 2006, 67, 1008-1016.	2.4	10
60	Do NK-cell receptors and alloreactivity affect solid organ transplantation?. <i>Transplant Immunology</i> , 2006, 17, 27-30.	1.2	22
61	The silentKIR3DP1gene (CD158c) is transcribed and might encode a secreted receptor in a minority of humans, in whom theKIR3DP1,KIR2DL4andKIR3DL1/KIR3DS1genes are duplicated. <i>European Journal of Immunology</i> , 2005, 35, 16-24.	2.9	71
62	Three Structurally and Functionally Divergent Kinds of Promoters Regulate Expression of Clonally Distributed Killer Cell Ig-Like Receptors (<i>KIR</i>), of <i>KIR2DL4</i>, and of <i>KIR3DL3</i>. <i>Journal of Immunology</i> , 2005, 174, 4135-4143.	0.8	77
63	Imprint of human cytomegalovirus infection on the NK cell receptor repertoire. <i>Blood</i> , 2004, 104, 3664-3671.	1.4	754
64	Recognition of HLA-G by the NK cell receptor KIR2DL4 is not essential for human reproduction. <i>European Journal of Immunology</i> , 2003, 33, 639-644.	2.9	69
65	Killer-cell immunoglobulin-like receptor (KIR) nomenclature report, 2002. <i>Tissue Antigens</i> , 2003, 62, 79-86.	1.0	216
66	Killer-cell Immunoglobulin-like Receptor (KIR) Nomenclature Report, 2002. <i>Human Immunology</i> , 2003, 64, 648-654.	2.4	135
67	MHC Class I Peptide Binding and Tapasin. <i>Journal of Immunology</i> , 2003, 171, 3-3.	0.8	5
68	KIR: Diverse, Rapidly Evolving Receptors of Innate and Adaptive Immunity. <i>Annual Review of Immunology</i> , 2002, 20, 217-251.	21.8	890
69	Some human KIR haplotypes contain two KIR2DL5 genes: KIR2DL5A and KIR2DL5B. <i>Immunogenetics</i> , 2002, 54, 314-319.	2.4	92
70	Complementary DNA sequence of the novel HLA-B*3704 allele. <i>Tissue Antigens</i> , 2002, 59, 142-144.	1.0	9
71	Genotyping of human killer-cell immunoglobulin-like receptor genes by polymerase chain reaction with sequence-specific primers: An update. <i>Tissue Antigens</i> , 2002, 59, 184-193.	1.0	144
72	Different NK Cell Surface Phenotypes Defined by the DX9 Antibody Are Due to<i>KIR3DL1</i> Gene Polymorphism. <i>Journal of Immunology</i> , 2001, 166, 2992-3001.	0.8	251

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73	Genes encoding human killer-cell Ig-like receptors with D1 and D2 extracellular domains all contain untranslated pseudoexons encoding a third Ig-like domain. <i>Immunogenetics</i> , 2000, 51, 639-646.	2.4	40
74	KIR2DL5, a Novel Killer-Cell Receptor with a D0-D2 Configuration of Ig-Like Domains. <i>Journal of Immunology</i> , 2000, 164, 5797-5804.	0.8	95
75	Gene Structure and Promoter Variation of Expressed and Nonexpressed Variants of the <i>KIR2DL5</i> Gene. <i>Journal of Immunology</i> , 2000, 165, 6416-6421.	0.8	88
76	HLA-B35 alleles in 282 individuals from nine different populations of Europe and Israel. <i>Immunogenetics</i> , 1997, 46, 524-528.	2.4	0
77	Typical Chronic Myelogenous Leukemia With e19a2 Junction BCR/ABL Transcript. <i>Blood</i> , 1997, 90, 5024-5024.	1.4	9
78	Distribution of HLA-B61 alleles in Northeast-Asian populations and in Spanish Gypsies. <i>Human Immunology</i> , 1996, 47, 59.	2.4	1
79	Nucleotide sequence of HLA-B * 2706. <i>Immunogenetics</i> , 1995, 43, 114-114.	2.4	3
80	Allelic polymorphism in the coding region of human TCR CÎ± gene and characterization of structural variability in the Î± chain constant domain. <i>International Immunology</i> , 1994, 6, 223-230.	4.0	1
81	HLA-B73: an atypical HLA-B molecule carrying a Bw6-epitope motif variant and a B pocket identical to HLA-B27. <i>Immunogenetics</i> , 1994, 40, 166-166.	2.4	30
82	Cw * 1505: a novel HLA-C allele isolated from a B * 7301 haplotype. <i>Immunogenetics</i> , 1994, 40, 313-313.	2.4	10
83	Nucleotide sequence of HLA-B * 2706. <i>Immunogenetics</i> , 1994, 39, 219-219.	2.4	15
84	Molecular characterization of a novel, serologically detectable, HLA-C allele: Cwâˆ—1602. <i>Human Immunology</i> , 1994, 41, 167-170.	2.4	13
85	Molecular cloning and polymerase chain reaction-sequence-specific oligonucleotide detection of the allele encoding the novel allospecificity HLA-Cw6.2 (Cwâˆ—1502) in Spanish gypsies. <i>Human Immunology</i> , 1993, 37, 259-263.	2.4	33
86	DR7 and DQ2 are positively associated with immunoglobulin-E response to the main antigen of olive pollen (Ole e I) in allergic patients. <i>Human Immunology</i> , 1993, 38, 293-299.	2.4	42
87	Characterization of an HLA-DR15 DQ5 haplotype found in the Spanish caucasoid population. <i>Human Immunology</i> , 1992, 35, 223-229.	2.4	8
88	Distribution of HLA antigens in Spanish Gypsies: A comparative study. <i>Tissue Antigens</i> , 1992, 40, 187-196.	1.0	32
89	Diversity of <sc> <i>NKG2C</i> </sc> genotypes in a European population â€œ Conserved and recombinant haplotypes in the coding, promoter and 3â€™â€œuntranslated regions. <i>Hla</i> , 0, , .	0.6	2