

Carlos LÃ³pez-Larrea

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2388739/publications.pdf>

Version: 2024-02-01

120
papers

6,028
citations

76326

40
h-index

79698

73
g-index

122
all docs

122
docs citations

122
times ranked

9937
citing authors

#	ARTICLE	IF	CITATIONS
1	Interaction between ERAP1 and HLA-B27 in ankylosing spondylitis implicates peptide handling in the mechanism for HLA-B27 in disease susceptibility. <i>Nature Genetics</i> , 2011, 43, 761-767.	21.4	778
2	Identification of multiple risk variants for ankylosing spondylitis through high-density genotyping of immune-related loci. <i>Nature Genetics</i> , 2013, 45, 730-738.	21.4	699
3	The Inflammatory Cytokines TWEAK and TNF α Reduce Renal Klotho Expression through NF κ B. <i>Journal of the American Society of Nephrology: JASN</i> , 2011, 22, 1315-1325.	6.1	340
4	NKG2D ligands: key targets of the immune response. <i>Trends in Immunology</i> , 2008, 29, 397-403.	6.8	218
5	Angiotensin-converting enzymes (ACE, ACE2) gene variants and COVID-19 outcome. <i>Gene</i> , 2020, 762, 145102.	2.2	154
6	When aging reaches CD4+ T-cells: phenotypic and functional changes. <i>Frontiers in Immunology</i> , 2013, 4, 107.	4.8	147
7	DNA methylation: a promising landscape for immune system-related diseases. <i>Trends in Genetics</i> , 2012, 28, 506-514.	6.7	131
8	Protective Effect of the HLA-B*41:01 Epitope and the Killer Cell Immunoglobulin-Like Receptor 3DS1 Gene against the Development of Hepatocellular Carcinoma in Patients with Hepatitis C Virus Infection. <i>Journal of Infectious Diseases</i> , 2005, 192, 162-165.	4.0	122
9	The NKG2D receptor: sensing stressed cells. <i>Trends in Molecular Medicine</i> , 2008, 14, 179-189.	6.7	103
10	A promoter DNA demethylation landscape of human hematopoietic differentiation. <i>Nucleic Acids Research</i> , 2012, 40, 116-131.	14.5	97
11	Epigenetic Mechanisms Regulate MHC and Antigen Processing Molecules in Human Embryonic and Induced Pluripotent Stem Cells. <i>PLoS ONE</i> , 2010, 5, e10192.	2.5	91
12	Oral supplementation with <i>Lactobacillus delbrueckii</i> subsp. <i>bulgaricus</i> 8481 enhances systemic immunity in elderly subjects. <i>Age</i> , 2013, 35, 1311-1326.	3.0	87
13	Relationship between functional ability in older people, immune system status, and intensity of response to CMV. <i>Age</i> , 2012, 34, 479-495.	3.0	83
14	Microparticles in multiple sclerosis and clinically isolated syndrome: effect on endothelial barrier function. <i>BMC Neuroscience</i> , 2014, 15, 110.	1.9	83
15	Methylation of NKG2D ligands contributes to immune system evasion in acute myeloid leukemia. <i>Genes and Immunity</i> , 2015, 16, 71-82.	4.1	82
16	Epigenetic modulation of the immune function. <i>Epigenetics</i> , 2013, 8, 694-702.	2.7	81
17	Molecular Mechanisms Involved in the Aging of the T-cell Immune Response. <i>Current Genomics</i> , 2012, 13, 589-602.	1.6	79
18	Cancer Genes Hypermethylated in Human Embryonic Stem Cells. <i>PLoS ONE</i> , 2008, 3, e3294.	2.5	75

#	ARTICLE	IF	CITATIONS
19	Mobilization and Homing of Hematopoietic Stem Cells. <i>Advances in Experimental Medicine and Biology</i> , 2012, 741, 152-170.	1.6	72
20	Association of ankylosing spondylitis with HLA-B*1403 in a West African population. <i>Arthritis and Rheumatism</i> , 2002, 46, 2968-2971.	6.7	69
21	Secretory pathways generating immunosuppressive NKG2D ligands: New targets for therapeutic intervention. <i>Oncolmunology</i> , 2014, 3, e28497.	4.6	66
22	MICA rather than MICB, TNFA, or HLA-DRB1 is associated with susceptibility to psoriatic arthritis. <i>Journal of Rheumatology</i> , 2002, 29, 973-8.	2.0	63
23	Transcriptional regulation of MICA and MICB: A novel polymorphism in MICB promoter alters transcriptional regulation by Sp1. <i>European Journal of Immunology</i> , 2007, 37, 1938-1953.	2.9	62
24	DNA demethylation and histone H3K9 acetylation determine the active transcription of the NKG2D gene in human CD8 ⁺ T and NK cells. <i>Epigenetics</i> , 2013, 8, 66-78.	2.7	60
25	Contribution of KIR3DL1/3DS1 to ankylosing spondylitis in human leukocyte antigen-B27 Caucasian populations. <i>Arthritis Research and Therapy</i> , 2006, 8, R101.	3.5	58
26	The Interferon-induced transmembrane protein 3 gene (IFITM3) rs12252 C variant is associated with COVID-19. <i>Cytokine</i> , 2021, 137, 155354.	3.2	58
27	NKG2D expression in CD4 ⁺ T lymphocytes as a marker of senescence in the aged immune system. <i>Age</i> , 2011, 33, 591-605.	3.0	57
28	The role of HLA-B27 polymorphism and molecular mimicry in spondylarthropathy. <i>Trends in Molecular Medicine</i> , 1998, 4, 540-549.	2.6	56
29	Inhibition of Bromodomain and Extraterminal Domain Family Proteins Ameliorates Experimental Renal Damage. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 504-519.	6.1	56
30	Epigenetic Networks Regulate the Transcriptional Program in Memory and Terminally Differentiated CD8 ⁺ T Cells. <i>Journal of Immunology</i> , 2017, 198, 937-949.	0.8	55
31	Transcriptional Regulation of ULBP1, a Human Ligand of the NKG2D Receptor. <i>Journal of Biological Chemistry</i> , 2006, 281, 30419-30430.	3.4	54
32	Association of the KIR3DS1*013 and KIR3DL1*004 alleles with susceptibility to ankylosing spondylitis. <i>Arthritis and Rheumatism</i> , 2010, 62, 1000-1006.	6.7	51
33	Pharmacogenetics of tacrolimus after renal transplantation: analysis of polymorphisms in genes encoding 16 drug metabolizing enzymes. <i>Clinical Chemistry and Laboratory Medicine</i> , 2011, 49, 825-833.	2.3	49
34	Immunosenescence and inflammation characterize chronic heart failure patients with more advanced disease. <i>International Journal of Cardiology</i> , 2014, 174, 590-599.	1.7	49
35	CD8dim and NKG2D Expression Defines Related Subsets of CD4 ⁺ T cells in HIV-Infected Patients With Worse Prognostic Factors. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2009, 51, 390-398.	2.1	45
36	The Predictive Value of Soluble Major Histocompatibility Complex Class I Chain-Related Molecule A (MICA) Levels on Heart Allograft Rejection. <i>Transplantation</i> , 2006, 82, 354-361.	1.0	44

#	ARTICLE	IF	CITATIONS
37	Activating KIR genes are associated with ankylosing spondylitis in Asian populations. <i>Human Immunology</i> , 2008, 69, 437-442.	2.4	44
38	Expression of Erp5 and GRP78 on the membrane of chronic lymphocytic leukemia cells: association with soluble MICA shedding. <i>Cancer Immunology, Immunotherapy</i> , 2012, 61, 1201-1210.	4.2	44
39	Frequent participation in high volume exercise throughout life is associated with a more differentiated adaptive immune response. <i>Brain, Behavior, and Immunity</i> , 2014, 39, 61-74.	4.1	43
40	Regulation of the transcriptional program by DNA methylation during human $\hat{1}\hat{2}$ T-cell development. <i>Nucleic Acids Research</i> , 2015, 43, 760-774.	14.5	43
41	The C-terminal module IV of connective tissue growth factor is a novel immune modulator of the Th17 response. <i>Laboratory Investigation</i> , 2013, 93, 812-824.	3.7	42
42	Genetic variability, molecular evolution, and geographic diversity of HLA-B27. <i>Human Immunology</i> , 2001, 62, 1042-1050.	2.4	39
43	Influence of HLA-B*5703 and HLA-B*1403 on Susceptibility to Spondyloarthropathies in the Zambian Population. <i>Journal of Rheumatology</i> , 2008, 35, 2236-2240.	2.0	39
44	Association between single nucleotide polymorphisms IL17RA rs4819554 and IL17E rs79877597 and Psoriasis in a Spanish cohort.. <i>Journal of Dermatological Science</i> , 2015, 80, 111-115.	1.9	39
45	Phenotypic characteristics of aged CD4 ⁺ CD28 ^{null} T lymphocytes are determined by changes in the whole-genome DNA methylation pattern. <i>Aging Cell</i> , 2017, 16, 293-303.	6.7	39
46	Increasing TIMP3 expression by hypomethylating agents diminishes soluble MICA, MICB and ULBP2 shedding in acute myeloid leukemia, facilitating NK cell-mediated immune recognition. <i>Oncotarget</i> , 2017, 8, 31959-31976.	1.8	39
47	Characterization of B27 haplotypes by oligotyping and genomic sequencing in the Mexican Mestizo population with ankylosing spondylitis: Juvenile and adult onset. <i>Human Immunology</i> , 1995, 43, 174-180.	2.4	36
48	HLA-B27 structure, function, and disease association. <i>Current Opinion in Rheumatology</i> , 1996, 8, 296-308.	4.3	36
49	Drug-induced hyperploidy stimulates an antitumor NK cell response mediated by NKG2D and DNAM-1 receptors. <i>Oncolmmunology</i> , 2016, 5, e1074378.	4.6	36
50	Molecular analysis of HLA-B27 haplotypes in caucasoids frequencies of B27-Cw in jewish and spanish populations. <i>Human Immunology</i> , 1994, 41, 127-134.	2.4	35
51	High variability of HLA-B27 alleles in ankylosing spondylitis and related spondyloarthropathies in the population of northern Spain. <i>Human Immunology</i> , 2002, 63, 673-676.	2.4	35
52	A search for new CYP3A4 variants as determinants of tacrolimus dose requirements in renal-transplanted patients. <i>Pharmacogenetics and Genomics</i> , 2013, 23, 445-448.	1.5	35
53	MICA-A5.1 allele is associated with atypical forms of celiac disease in HLA-DQ2-negative patients. <i>Immunogenetics</i> , 2002, 53, 989-991.	2.4	30
54	Association of MHC Class I Related Gene B (MICB) to Celiac Disease. <i>American Journal of Gastroenterology</i> , 2004, 99, 676-680.	0.4	30

#	ARTICLE	IF	CITATIONS
55	MHC Class I Chain-Related Gene B Promoter Polymorphisms and Celiac Disease. <i>Human Immunology</i> , 2006, 67, 208-214.	2.4	29
56	Post-transplant soluble MICA and MICA antibodies predict subsequent heart graft outcome. <i>Transplant Immunology</i> , 2006, 17, 43-46.	1.2	29
57	<i>KCNQ1</i> gene variants and risk of new-onset diabetes in tacrolimus-treated renal-transplanted patients. <i>Clinical Transplantation</i> , 2011, 25, E284-91.	1.6	29
58	Old and new HLA associations with ankylosing spondylitis. <i>Tissue Antigens</i> , 2012, 80, 205-213.	1.0	29
59	Signal Integration and Transcriptional Regulation of the Inflammatory Response Mediated by the GM-/M-CSF Signaling Axis in Human Monocytes. <i>Cell Reports</i> , 2019, 29, 860-872.e5.	6.4	29
60	Conceptual aspects of self and nonself discrimination. <i>Self/nonself</i> , 2011, 2, 19-25.	2.0	27
61	Association between a common <i>KCNJ11</i> polymorphism (rs5219) and new-onset posttransplant diabetes in patients treated with Tacrolimus. <i>Molecular Genetics and Metabolism</i> , 2012, 105, 525-527.	1.1	27
62	Epigenetic dynamics during CD4+ T cells lineage commitment. <i>International Journal of Biochemistry and Cell Biology</i> , 2015, 67, 75-85.	2.8	27
63	Acute myeloid leukemia and NK cells: two warriors confront each other. <i>Oncolmmunology</i> , 2019, 8, e1539617.	4.6	27
64	Autophagy and Self-Defense. <i>Advances in Experimental Medicine and Biology</i> , 2012, 738, 169-184.	1.6	26
65	MICB typing by PCR amplification with sequence specific primers. <i>Immunogenetics</i> , 2003, 54, 850-855.	2.4	25
66	IL-15 preferentially enhances functional properties and antigen-specific responses of CD4+CD28 ^{null} compared to CD4+CD28+ T cells. <i>Aging Cell</i> , 2011, 10, 844-852.	6.7	25
67	Immune Systems Evolution. <i>Advances in Experimental Medicine and Biology</i> , 2012, 739, 237-251.	1.6	25
68	DNA Methylation Dynamics in Blood after Hematopoietic Cell Transplant. <i>PLoS ONE</i> , 2013, 8, e56931.	2.5	24
69	Identification of Epitopes and Immunodominant Regions on the MICA Protein Defined by Alloantibodies From Kidney Transplant Patients. <i>Transplantation</i> , 2009, 88, S68-S77.	1.0	23
70	The donor ABCB1 (MDR-1) C3435T polymorphism is a determinant of the graft glomerular filtration rate among tacrolimus treated kidney transplanted patients. <i>Journal of Human Genetics</i> , 2015, 60, 273-276.	2.3	22
71	A predictive model of treatment outcome in patients with chronic HCV infection using IL28B and PD-1 genotyping. <i>Journal of Hepatology</i> , 2012, 56, 1230-1238.	3.7	19
72	Association between the IL17RA rs4819554 polymorphism and reduced renal filtration rate in the Spanish RENASTUR cohort. <i>Human Immunology</i> , 2015, 76, 75-78.	2.4	18

#	ARTICLE	IF	CITATIONS
73	Activating killer immunoglobulin-like receptors genes are associated with increased susceptibility to ankylosing spondylitis. <i>Clinical and Experimental Immunology</i> , 2015, 180, 201-206.	2.6	18
74	Fine mapping of a major histocompatibility complex in ankylosing spondylitis: Association of the <i>HLAâ€“DPA1</i> and <i>HLAâ€“DPB1</i> regions. <i>Arthritis and Rheumatism</i> , 2011, 63, 3305-3312.	6.7	17
75	The amino acid at position 97 is involved in folding and surface expression of HLA-B27. <i>International Immunology</i> , 2006, 18, 211-220.	4.0	16
76	Endoplasmic Reticulum Stress Signals in Defined Human Embryonic Stem Cell Lines and Culture Conditions. <i>Stem Cell Reviews and Reports</i> , 2010, 6, 462-472.	5.6	16
77	Ankylosing spondylitis in three Subâ€“saharan populations: <i>HLAâ€“B*27</i> and <i>HLAâ€“B*14</i> contribution. <i>Tissue Antigens</i> , 2012, 80, 14-15.	1.0	16
78	Role of BRD4 in hematopoietic differentiation of embryonic stem cells. <i>Epigenetics</i> , 2014, 9, 566-578.	2.7	16
79	A 3â€™-UTR Polymorphism in Soluble Epoxide Hydrolase Gene Is Associated with Acute Rejection in Renal Transplant Recipients. <i>PLoS ONE</i> , 2015, 10, e0133563.	2.5	16
80	BET Proteins: An Approach to Future Therapies in Transplantation. <i>American Journal of Transplantation</i> , 2017, 17, 2254-2262.	4.7	16
81	A Single Nucleotide Polymorphism in the IL17ra Promoter Is Associated with Functional Severity of Ankylosing Spondylitis. <i>PLoS ONE</i> , 2016, 11, e0158905.	2.5	15
82	A high density SNP genotyping approach within the 19q13 chromosome region identifies an association of a CNOT3 polymorphism with ankylosing spondylitis. <i>Annals of the Rheumatic Diseases</i> , 2012, 71, 714-717.	0.9	14
83	Pharmacogenetics of tacrolimus: ready for clinical translation?. <i>Kidney International Supplements</i> , 2011, 1, 58-62.	14.2	13
84	NKG2D and its ligands: active factors in the outcome of solid organ transplantation?. <i>Kidney International Supplements</i> , 2011, 1, 52-57.	14.2	13
85	HLA-B*40:01 Is Associated with Ankylosing Spondylitis in HLA-B27â€“positive Populations. <i>Journal of Rheumatology</i> , 2016, 43, 1255.1-1256.	2.0	13
86	Pharmacogenetics of tacrolimus after renal transplantation: analysis of polymorphisms in genes encoding 16 drug metabolizing enzymes. <i>Clinical Chemistry and Laboratory Medicine</i> , 2011, 49, 1087-1087.	2.3	12
87	Increased natural killer cell chemotaxis to CXCL12 in patients with multiple sclerosis. <i>Journal of Neuroimmunology</i> , 2015, 282, 39-44.	2.3	12
88	CD4+CD28null T lymphocytes resemble CD8+CD28null T lymphocytes in their responses to IL-15 and IL-21 in HIV-infected patients. <i>Journal of Leukocyte Biology</i> , 2015, 98, 373-384.	3.3	12
89	Immunosurveillance of Malignant Cells with Complex Karyotypes. <i>Trends in Cell Biology</i> , 2017, 27, 880-884.	7.9	12
90	Diversity of Killer Cell Immunoglobulin-Like Receptor (KIR) Genotypes and KIR2DL2/3 Variants in HCV Treatment Outcome. <i>PLoS ONE</i> , 2014, 9, e99426.	2.5	12

#	ARTICLE	IF	CITATIONS
91	Wiskottâ€Aldrich syndrome protein (WASp) and Nâ€WASp are involved in the regulation of NKâ€cell migration upon NKG2D activation. <i>European Journal of Immunology</i> , 2012, 42, 2142-2151.	2.9	11
92	Genetic study confirms association of HLA-DPA1âˆ—01:03 subtype with ankylosing spondylitis in HLA-B27-positive populations. <i>Human Immunology</i> , 2013, 74, 764-767.	2.4	11
93	NKG2D- and CD28-mediated costimulation regulate CD8+ T cell chemotaxis through different mechanisms: the role of Cdc42/N-WASp. <i>Journal of Leukocyte Biology</i> , 2014, 95, 487-495.	3.3	11
94	HLA Class-I Diversity in Cameroon: Evidence for a North-South Structure of Genetic Variation and Relationships with African Populations. <i>Annals of Human Genetics</i> , 2011, 75, 665-677.	0.8	10
95	HLA-DR17 is associated with enthesitis in psoriatic arthritis. <i>Joint Bone Spine</i> , 2011, 78, 428-429.	1.6	10
96	The Emergence of the Major Histocompatibility Complex. <i>Advances in Experimental Medicine and Biology</i> , 2012, 738, 277-289.	1.6	8
97	L-plastin is involved in NKG2D recruitment into lipid rafts and NKG2D-mediated NK cell migration. <i>Journal of Leukocyte Biology</i> , 2014, 96, 437-445.	3.3	8
98	Disease complexity in acute coronary syndrome is related to the patient's immunological status. <i>International Journal of Cardiology</i> , 2015, 189, 115-123.	1.7	8
99	CD127 ^{low} Expression in CD4 ⁺ CD25 ^{high} T Cells as Immune Biomarker of Renal Function in Transplant Patients. <i>Transplantation</i> , 2009, 88, S85-S93.	1.0	7
100	Imunology and the Challenge of Transplantation. <i>Advances in Experimental Medicine and Biology</i> , 2012, 741, 27-43.	1.6	7
101	Demethylation of H3K9 and H3K27 Contributes to the Tubular Renal Damage Triggered by Endoplasmic Reticulum Stress. <i>Antioxidants</i> , 2022, 11, 1355.	5.1	7
102	The allele MICB*0050204, over-represented in the Caucasian population, has an additional exon resulting from a new splice junction sequence. <i>Human Immunology</i> , 2007, 68, 705-707.	2.4	6
103	Bromodomain protein BRD4 is an epigenetic activator of B7-H6 expression in acute myeloid leukemia. <i>OncImmunology</i> , 2021, 10, 1897294.	4.6	6
104	Soluble Co-Signaling Molecules Predict Long-Term Graft Outcome in Kidney-Transplanted Patients. <i>PLoS ONE</i> , 2014, 9, e113396.	2.5	6
105	HeLa cells separation using MICA antibody conjugated to magnetite nanoparticles. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2014, 11, 1043-1047.	0.8	5
106	Defining a Methylation Signature Associated With Operational Tolerance in Kidney Transplant Recipients. <i>Frontiers in Immunology</i> , 2021, 12, 709164.	4.8	5
107	Epigenetic Modulation of Gremlin-1/NOTCH Pathway in Experimental Crescentic Immune-Mediated Glomerulonephritis. <i>Pharmaceuticals</i> , 2022, 15, 121.	3.8	5
108	The Region Centromeric to HLA-C Is a Key Region for Understanding the Phenotypic Variability of Psoriatic Arthritis. <i>ISRN Dermatology</i> , 2014, 2014, 1-5.	1.9	4

#	ARTICLE	IF	CITATIONS
109	The Origin of the Bacterial Immune Response. <i>Advances in Experimental Medicine and Biology</i> , 2012, 738, 1-13.	1.6	3
110	Autoantibodies against MHC class I polypeptide-related sequence A are associated with increased risk of concomitant autoimmune diseases in celiac patients. <i>BMC Medicine</i> , 2014, 12, 34.	5.5	3
111	ABCB1 (MDR-1) pharmacogenetics of tacrolimus in renal transplanted patients: a Next Generation Sequencing approach. <i>Clinical Chemistry and Laboratory Medicine</i> , 2015, 53, 1515-9.	2.3	3
112	Advances in Translational Transplant Immunology. <i>Transplantation</i> , 2009, 88, S1-S7.	1.0	1
113	NK cell immune recognition. , 2010, , 65-77.		1
114	;Hacia d3nde va la Sociedad Espa±ola de Inmunolog±a?. <i>Inmunologia (Barcelona, Spain: 1987)</i> , 2013, 32, 35-39.	0.1	1
115	NKG2D ligands expression patterns in gut mucosa from patients with coeliac disease. <i>Inmunologia (Barcelona, Spain: 1987)</i> , 2013, 32, 43-49.	0.1	1
116	Genetic contribution of endoplasmic reticulum aminopeptidase 1 polymorphisms to liver fibrosis progression in patients with HCV infection. <i>Journal of Molecular Medicine</i> , 2020, 98, 1245-1254.	3.9	1
117	Epigenetic networks driving T cell identity and plasticity during immunosenescence. <i>Trends in Genetics</i> , 2021, , .	6.7	1
118	The Molecular Basis of the Immune Response to Stressed Cells and Tissues. , 2016, , 53-79.		0
119	SP048THE BET BROMODOMAIN INHIBITOR JQ1 DIMINISHED RENAL FIBROSIS. <i>Nephrology Dialysis Transplantation</i> , 2016, 31, i102-i102.	0.7	0
120	Using NK Cell Lipid Raft Fractionation to Understand the Role of Lipid Rafts in NK Cell Receptor Signaling. <i>Methods in Molecular Biology</i> , 2016, 1441, 131-139.	0.9	0