

Erick C Castelli

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

2,977
citations

186209

28
h-index

189801

50
g-index

113
all docs

113
docs citations

113
times ranked

2148
citing authors

#	ARTICLE	IF	CITATIONS
1	Implications of the polymorphism of HLA-G on its function, regulation, evolution and disease association. Cellular and Molecular Life Sciences, 2011, 68, 369-395.	2.4	302
2	The genetic structure of 3' untranslated region of the HLA-G gene: polymorphisms and haplotypes. Genes and Immunity, 2010, 11, 134-141.	2.2	182
3	Transcriptional and Posttranscriptional Regulations of the HLA-G Gene. Journal of Immunology Research, 2014, 2014, 1-15.	0.9	156
4	A Comprehensive Study of Polymorphic Sites along the HLA-G Gene: Implication for Gene Regulation and Evolution. Molecular Biology and Evolution, 2011, 28, 3069-3086.	3.5	142
5	In silico analysis of microRNAs targeting the HLA-G 3' untranslated region alleles and haplotypes. Human Immunology, 2009, 70, 1020-1025.	1.2	139
6	Polymorphic Sites at the 3' Untranslated Region of the HLA-G Gene Are Associated with Differential hla-g Soluble Levels in the Brazilian and French Population. PLoS ONE, 2013, 8, e71742.	1.1	139
7	Insights into HLA-G Genetics Provided by Worldwide Haplotype Diversity. Frontiers in Immunology, 2014, 5, 476.	2.2	119
8	Emerging role of PTEN loss in evasion of the immune response to tumours. British Journal of Cancer, 2020, 122, 1732-1743.	2.9	95
9	Worldwide genetic variation at the 3' untranslated region of the HLA-G gene: balancing selection influencing genetic diversity. Genes and Immunity, 2014, 15, 95-106.	2.2	69
10	microRNAs targeting the immunomodulatory HLA-G gene: A new survey searching for microRNAs with potential to regulate HLA-G. Molecular Immunology, 2015, 65, 230-241.	1.0	61
11	Neither self-reported ethnicity nor declared family origin are reliable indicators of genomic ancestry. Genetica, 2016, 144, 259-265.	0.5	58
12	The Role of HLA-G Molecule and HLA-G Gene Polymorphisms in Tumors, Viral Hepatitis, and Parasitic Diseases. Frontiers in Immunology, 2015, 6, 9.	2.2	55
13	Hla-mapper: An application to optimize the mapping of HLA sequences produced by massively parallel sequencing procedures. Human Immunology, 2018, 79, 678-684.	1.2	51
14	HLA-G alleles and HLA-G 14 bp polymorphisms in a Brazilian population. Tissue Antigens, 2007, 70, 62-68.	1.0	50
15	HLA-G polymorphisms in women with squamous intraepithelial lesions harboring human papillomavirus. Modern Pathology, 2009, 22, 1075-1082.	2.9	48
16	HLA-G 3' UTR polymorphisms in high grade and invasive cervico-vaginal cancer. Human Immunology, 2013, 74, 452-458.	1.2	47
17	HLA-G polymorphism and transitional cell carcinoma of the bladder in a Brazilian population. Tissue Antigens, 2008, 72, 149-157.	1.0	46
18	HLA-G 3' UTR-2 haplotype is associated with Human African trypanosomiasis susceptibility. Infection, Genetics and Evolution, 2013, 17, 1-7.	1.0	42

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19	Haplotypes of the HLA-G 3' UTR Untranslated Region Respond to Endogenous Factors of HLA-G+ and HLA-G- Cell Lines Differentially. PLoS ONE, 2017, 12, e0169032.	1.1	39
20	Association of HLA-G 3' UTR polymorphisms with response to malaria infection: A first insight. Infection, Genetics and Evolution, 2013, 16, 263-269.	1.0	35
21	Genetic association between HLA-G 14-bp polymorphism and diseases: A systematic review and meta-analysis. Human Immunology, 2018, 79, 724-735.	1.2	35
22	MHC Variants Associated With Symptomatic Versus Asymptomatic SARS-CoV-2 Infection in Highly Exposed Individuals. Frontiers in Immunology, 2021, 12, 742881.	2.2	35
23	Whole-genome sequencing of 1,171 elderly admixed individuals from Brazil. Nature Communications, 2022, 13, 1004.	5.8	35
24	Frequency of insertion/deletion polymorphism in exon 8 of <i>HLA-E</i> and kidney allograft outcome. Tissue Antigens, 2008, 71, 35-41.	1.0	34
25	HLA-G 14-bp polymorphism at exon 8 in Amerindian populations from the Brazilian Amazon. Tissue Antigens, 2007, 69, 255-260.	1.0	33
26	Worldwide <i>HLA-E</i> nucleotide and haplotype variability reveals a conserved gene for coding and 3' untranslated regions. Tissue Antigens, 2014, 83, 82-93.	1.0	33
27	HLA-E coding and 3' untranslated region variability determined by next-generation sequencing in two West-African population samples. Human Immunology, 2015, 76, 945-953.	1.2	33
28	Ancestry informative markers and selected single nucleotide polymorphisms in immunoregulatory genes on preterm labor and preterm premature rupture of membranes: a case control study. BMC Pregnancy and Childbirth, 2016, 16, 30.	0.9	33
29	HLA-G 3' UTR Untranslated Region Polymorphisms Are Associated with Systemic Lupus Erythematosus in 2 Brazilian Populations. Journal of Rheumatology, 2013, 40, 1104-1113.	1.0	32
30	Haplotype frequencies based on eight polymorphic sites at the 3' untranslated region of the <i>HLA-E</i> gene in individuals from two different geographical regions of Brazil. Tissue Antigens, 2012, 79, 272-278.	1.0	31
31	HLA-G variability and haplotypes detected by massively parallel sequencing procedures in the geographically distinct population samples of Brazil and Cyprus. Molecular Immunology, 2017, 83, 115-126.	1.0	29
32	Association of <i>HLA-E</i> 3' untranslated region polymorphisms with antibody response against <i>Plasmodium falciparum</i> antigens: preliminary results. Tissue Antigens, 2013, 82, 53-58.	1.0	28
33	HLA-F coding and regulatory segments variability determined by massively parallel sequencing procedures in a Brazilian population sample. Human Immunology, 2016, 77, 841-853.	1.2	28
34	DC-SIGN (CD209) gene promoter polymorphisms in a Brazilian population and their association with human T-cell lymphotropic virus type 1 infection. Journal of General Virology, 2009, 90, 927-934.	1.3	25
35	Human leukocyte antigen-G 3' untranslated region polymorphisms are associated with better kidney allograft acceptance. Human Immunology, 2012, 73, 52-59.	1.2	24
36	Balancing immunity and tolerance: genetic footprint of natural selection in the transcriptional regulatory region of HLA-G. Genes and Immunity, 2015, 16, 57-70.	2.2	24

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37	Nonclassical HLA gene variability in Brazilians: a nearly invariable locus surrounded by the most variable genes in the human genome. <i>Tissue Antigens</i> , 2012, 79, 15-24.	1.0	22
38	Insights on the HLA-G Evolutionary History Provided by a Nearby Alu Insertion. <i>Molecular Biology and Evolution</i> , 2013, 30, 2423-2434.	3.5	22
39	Evaluation of computational methods for the reconstruction of HLA haplotypes. <i>Tissue Antigens</i> , 2010, 76, 459-466.	1.0	21
40	A single nucleotide deletion at the C1 inhibitor gene as the cause of hereditary angioedema: insights from a Brazilian family. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2011, 66, 1384-1390.	2.7	20
41	Association of HLA-G 3' untranslated region variants with type 1 diabetes mellitus. <i>Human Immunology</i> , 2016, 77, 358-364.	1.2	20
42	HLA-F displays highly divergent and frequent haplotype lineages associated with different mRNA expression levels. <i>Human Immunology</i> , 2019, 80, 112-119.	1.2	20
43	Haplotypes from the SLC45A2 gene are associated with the presence of freckles and eye, hair and skin pigmentation in Brazil. <i>Legal Medicine</i> , 2017, 25, 43-51.	0.6	19
44	Interleukin-18 and interferon-gamma polymorphisms in Brazilian human immunodeficiency virus-1-infected patients presenting with lipodystrophy syndrome. <i>Tissue Antigens</i> , 2010, 76, 126-30.	1.0	18
45	Immunogenetics of prostate cancer and benign hyperplasia – the potential use of an HLA variant as a tag SNP for prostate cancer risk. <i>Hla</i> , 2016, 87, 79-88.	0.4	18
46	Genetic diversity of the HLA-G coding region in Amerindian populations from the Brazilian Amazon: a possible role of natural selection. <i>Genes and Immunity</i> , 2013, 14, 518-526.	2.2	17
47	Absence of the HLA-G*0105N allele in Amerindian populations from the Brazilian Amazon Region: a possible role of natural selection. <i>Tissue Antigens</i> , 2007, 70, 330-334.	1.0	16
48	Tumor necrosis factor region polymorphisms are associated with AIDS and with cytomegalovirus retinitis. <i>Aids</i> , 2009, 23, 1641-1647.	1.0	16
49	The genetic diversity within the 1.4 kb HLA-G 5' upstream regulatory region moderately impacts on cellular microenvironment responses. <i>Scientific Reports</i> , 2018, 8, 5652.	1.6	16
50	SNP-HLA Reference Consortium (SHLARC): HLA and SNP data sharing for promoting MHC-centric analyses in genomics. <i>Genetic Epidemiology</i> , 2020, 44, 733-740.	0.6	16
51	Human Leukocyte Antigen-G: A Promising Prognostic Marker of Disease Progression to Improve the Control of Human African Trypanosomiasis. <i>Clinical Infectious Diseases</i> , 2016, 63, ciw505.	2.9	15
52	Current HLA Investigations on SARS-CoV-2 and Perspectives. <i>Frontiers in Genetics</i> , 2021, 12, 774922.	1.1	15
53	HLA-E regulatory and coding region variability and haplotypes in a Brazilian population sample. <i>Molecular Immunology</i> , 2017, 91, 173-184.	1.0	14
54	HLA-G, -E and -F regulatory and coding region variability and haplotypes in the Beninese Toffin population sample. <i>Molecular Immunology</i> , 2018, 104, 108-127.	1.0	14

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55	How HLA diversity is apportioned: influence of selection and relevance to transplantation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022, 377, 20200420.	1.8	14
56	The +3187A/G HLA α polymorphic site is associated with polar forms and reactive reaction in leprosy. <i>Molecular Genetics & Genomic Medicine</i> , 2013, 1, 123-130.	0.6	12
57	<i>HLA</i> genetic diversity and evolutionary insights in two samples from Brazil and Benin. <i>Hla</i> , 2020, 96, 468-486.	0.4	12
58	Insights on hair, skin and eye color of ancient and contemporary Native Americans. <i>Forensic Science International: Genetics</i> , 2020, 48, 102335.	1.6	12
59	Approaching Genetics Through the MHC Lens: Tools and Methods for HLA Research. <i>Frontiers in Genetics</i> , 2021, 12, 774916.	1.1	12
60	Interferon- β +874 Polymorphism in the First Intron of the Human Interferon- β Gene and Kidney Allograft Outcome. <i>Transplantation Proceedings</i> , 2010, 42, 4505-4508.	0.3	11
61	HLA-G genetic diversity and evolutive aspects in worldwide populations. <i>Scientific Reports</i> , 2021, 11, 23070.	1.6	11
62	HLA polymorphism and breast cancer. <i>International Journal of Immunogenetics</i> , 2014, 41, 143-148.	0.8	10
63	<i>HLA</i> promoter, coding, and 3'UTR sequences in a Brazilian cohort, and their evolutionary aspects. <i>Hla</i> , 2019, 93, 65-79.	0.4	10
64	An immunogenetic view of COVID-19. <i>Genetics and Molecular Biology</i> , 2021, 44, e20210036.	0.6	10
65	A novel HLA α allele, <i>HLA</i> *010111, in the Brazilian population. <i>Tissue Antigens</i> , 2007, 70, 349-350.	1.0	9
66	Human leukocyte antigen-G 3' untranslated region polymorphisms are associated with asthma severity. <i>Molecular Immunology</i> , 2018, 101, 500-506.	1.0	9
67	Extended HLA-G genetic diversity and ancestry composition in a Brazilian admixed population sample: Implications for HLA-G transcriptional control and for case-control association studies. <i>Human Immunology</i> , 2018, 79, 790-799.	1.2	9
68	A large familial cluster and sporadic cases of frontal fibrosing alopecia in Brazil reinforce known human leucocyte antigen (HLA) associations and indicate new HLA susceptibility haplotypes. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2020, 34, 2409-2413.	1.3	9
69	Absence of the HLA-G*0113N allele in Amerindian populations from the Brazilian Amazon region. <i>Human Immunology</i> , 2010, 71, 428-431.	1.2	8
70	P014 HLA-C, HLA-E and HLA-G regulatory and coding region polymorphisms in patients exhibiting gestational diabetes mellitus. <i>Human Immunology</i> , 2017, 78, 64.	1.2	8
71	Applicability of the SNPforID 52-plex panel for human identification and ancestry evaluation in a Brazilian population sample by next-generation sequencing. <i>Forensic Science International: Genetics</i> , 2019, 40, 201-209.	1.6	8
72	Prediction of eye and hair pigmentation phenotypes using the HlrisPlex system in a Brazilian admixed population sample. <i>International Journal of Legal Medicine</i> , 2021, 135, 1329-1339.	1.2	8

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73	Manifesting carriers of X-linked myotubular myopathy. <i>Neurology: Genetics</i> , 2020, 6, e513.	0.9	7
74	Identification of a novel 120 bp allele at the TNFd microsatellite locus. <i>Tissue Antigens</i> , 2006, 67, 318-320.	1.0	6
75	A nonsynonymous mutation at <i>HLA-E</i> defines the new <i>E*01:06</i> allele in Brazilian individuals. <i>Tissue Antigens</i> , 2013, 82, 216-217.	1.0	6
76	Analysis and comparison of the STR genotypes called with HipSTR, STRait Razor and toaSTR by using next generation sequencing data in a Brazilian population sample. <i>Forensic Science International: Genetics</i> , 2022, 58, 102676.	1.6	6
77	Genetic diversity of the <i>LILRB1</i> and <i>LILRB2</i> coding regions in an admixed Brazilian population sample. <i>Hla</i> , 2022, 100, 325-348.	0.4	6
78	Typing class I HLA-A gene using a nested PCR-RFLP procedure. <i>Brazilian Journal of Medical and Biological Research</i> , 2005, 38, 837-842.	0.7	5
79	Evaluation of MC1R high-throughput nucleotide sequencing data generated by the 1000 Genomes Project. <i>Genetics and Molecular Biology</i> , 2017, 40, 530-539.	0.6	5
80	HLA-G liver expression and HLA-G extended haplotypes are associated with chronic hepatitis C in HIV-negative and HIV-coinfected patients. <i>Clinical Immunology</i> , 2020, 217, 108482.	1.4	5
81	Recurrence of COVID-19 associated with reduced T-cell responses in a monozygotic twin pair. <i>Open Biology</i> , 2022, 12, 210240.	1.5	5
82	Identification of two new <i>HLA-C</i> alleles, <i>G*01:01:03:03</i> and <i>G*01:01:21</i> , in Brazilian individuals. <i>Tissue Antigens</i> , 2012, 80, 70-71.	1.0	4
83	Lack of association between <i>HLA-E</i> polymorphisms and transitional cell carcinoma of the bladder. <i>Tissue Antigens</i> , 2013, 82, 197-200.	1.0	4
84	Low variability at the HLA-E promoter region in the Brazilian population. <i>Human Immunology</i> , 2016, 77, 172-175.	1.2	4
85	HLA-C Alleles and Cytomegalovirus Retinitis in Brazilian Patients with AIDS. <i>Journal of Ophthalmology</i> , 2018, 2018, 1-5.	0.6	4
86	TNF microsatellite alleles may confer protection against the development of lipodystrophy syndrome in Brazilian HIV patients. <i>International Journal of Immunogenetics</i> , 2010, 37, 379-385.	0.8	3
87	Simple Methods for the Detection of HLA-G Variants in Coding and Non-coding Regions. <i>Methods in Molecular Biology</i> , 2012, 882, 123-142.	0.4	3
88	A novel <i>HLA-E</i> allele, <i>E*01:03:05</i> , identified in two Brazilian individuals. <i>Tissue Antigens</i> , 2012, 80, 200-201.	1.0	3
89	Relevance of PD-L1 Non-Coding Polymorphisms on the Prognosis of a Genetically Admixed NSCLC Cohort. <i>Pharmacogenomics and Personalized Medicine</i> , 2021, Volume 14, 239-252.	0.4	3
90	HLA-E gene polymorphisms in chronic hepatitis C: Impact on HLA-E liver expression and disease severity. <i>Human Immunology</i> , 2021, 82, 177-185.	1.2	3

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91	Evaluation of the HlrisPlex-S system in a Brazilian population sample. Forensic Science International: Genetics Supplement Series, 2019, 7, 794-796.	0.1	2
92	Variability at the 3' untranslated region of the HLA-G gene: a study on patients with AIDS and cytomegalovirus retinochoroiditis. Scientific Reports, 2020, 10, 18646.	1.6	1
93	KIR2DL4 genetic diversity in a Brazilian population sample: implications for transcription regulation and protein diversity in samples with different ancestry backgrounds. Immunogenetics, 2021, 73, 227-241.	1.2	1
94	Peripheral spectrum neurological disorder after arbovirus infection is associated with HLA-F variants among Northeastern Brazilians. Infection, Genetics and Evolution, 2021, 92, 104855.	1.0	1
95	88-P: HLA-G 5' Regulatory Region and 3' Untranslated Region Variability in the Brazilian Population. Human Immunology, 2010, 71, S76.	1.2	0
96	599 ALLELES AND GENOTYPES OF IL-18 AND TNF- β PROMOTER POLYMORPHISMS ARE ASSOCIATED WITH HIGHER RISK OF HEPATOCELLULAR CARCINOMA (HCC) IN BRAZILIAN POPULATION. Journal of Hepatology, 2010, 52, S236.	1.8	0
97	713 ASSOCIATION OF INTERLEUKIN-18 (IL-18), TUMOR NECROSIS FACTOR- β (TNF- β) AND INTERFERON- γ (IFN- γ) GENES POLYMORPHISMS WITH SEVERITY OF LIVER FIBROSIS IN BRAZILIAN PATIENTS WITH CHRONIC HEPATITIS B. Journal of Hepatology, 2010, 52, S277.	1.8	0
98	Genetic Analysis As a Practical Tool to Diagnose Hereditary Angioedema with Normal C1 Inhibitor: A Case Report. Journal of Allergy and Clinical Immunology, 2015, 135, AB197.	1.5	0
99	Human leukocyte antigen (HLA)-F and -G gene polymorphisms and haplotypes are associated with malaria susceptibility in the Beninese Toffin children. Infection, Genetics and Evolution, 2021, 92, 104828.	1.0	0
100	Genetic Analysis as a Practical Tool for Diagnosis of Hereditary Angioedema With Normal C1 Inhibitor: A Case Report. Journal of Investigational Allergology and Clinical Immunology, 2016, 26, 48-72.	0.6	0