Martin J Maiers

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

129
papers7,978
citations36
h-index88
g-index143
ext. papers9,445
ext. citations4.4
avg, IF5.32
L-index

#	Paper	IF	Citations
129	Standard reference sequences for submission of HLA genotyping for the 18th International HLA and Immunogenetics Workshop. <i>Hla</i> , 2021 , 97, 512-519	1.9	2
128	HLA-B*15:01 is associated with asymptomatic SARS-CoV-2 infection 2021 ,		2
127	Optimal Donor Selection for Hematopoietic Cell Transplantation Using Bayesian Machine Learning. JCO Clinical Cancer Informatics, 2021 , 5, 494-507	5.2	1
126	Stem cell donor HLA typing improves CPRA in kidney allocation. <i>American Journal of Transplantation</i> , 2021 , 21, 138-147	8.7	2
125	Predicting HLA-DPB1 permissive probabilities through a DPB1 prediction service towards the optimization of HCT donor selection. <i>Human Immunology</i> , 2021 , 82, 903-911	2.3	O
124	Assessment of HLA-B Genetic Variation with an HLA-B Leader Tool and Implications in Clinical Transplantation. <i>Blood Advances</i> , 2021 ,	7.8	1
123	Challenges for the standardized reporting of NGS HLA genotyping: Surveying gaps between clinical and research laboratories. <i>Human Immunology</i> , 2021 , 82, 820-828	2.3	1
122	HLA haplotype frequency estimation for heterogeneous populations using a graph-based imputation algorithm. <i>Human Immunology</i> , 2021 , 82, 746-757	2.3	О
121	Demographic history and selection at HLA loci in Native Americans. <i>PLoS ONE</i> , 2020 , 15, e0241282	3.7	4
120	A Detailed View of KIR Haplotype Structures and Gene Families as Provided by a New Motif-Based Multiple Sequence Alignment. <i>Frontiers in Immunology</i> , 2020 , 11, 585731	8.4	4
119	Role of HLA-B exon 1 in graft-versus-host disease after unrelated haemopoietic cell transplantation: a retrospective cohort study. <i>Lancet Haematology,the</i> , 2020 , 7, e50-e60	14.6	23
118	Efficient Sequencing, Assembly, and Annotation of Human KIR Haplotypes. <i>Frontiers in Immunology</i> , 2020 , 11, 582927	8.4	3
117	GRIMM: GRaph IMputation and matching for HLA genotypes. <i>Bioinformatics</i> , 2019 , 35, 3520-3523	7.2	4
116	The association between HLA and non-Hodgkin lymphoma subtypes, among a transplant-indicated population. <i>Leukemia and Lymphoma</i> , 2019 , 60, 2899-2908	1.9	4
115	Multiplicative fitness, rapid haplotype discovery, and fitness decay explain evolution of human MHC. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 14098-	141504	12
114	High resolution HLA allele and haplotype frequencies for Arab donors in the Hadassah bone marrow donor registry. <i>Human Immunology</i> , 2019 , 80, 823-827	2.3	2
113	Regarding "Recipients Receiving Better HLA-Matched Hematopoietic Cell Transplantation Grafts, Uncovered by a Novel HLA Typing Method, Have Superior Survival: A Retrospective Study". <i>Biology of Blood and Marrow Transplantation</i> , 2019 , 25, e268-e269	4.7	5

(2017-2019)

112	transplantation: analysis of the Canadian Blood Services Cord Blood Bank inventory. <i>Transfusion</i> , 2019 , 59, 2382-2388	2.9	7
111	Consumer (dis-)interest in Genetic Ancestry Testing: The roles of race, immigration, and ancestral certainty. <i>New Genetics and Society</i> , 2019 , 38, 165-194	1.9	13
110	Selection of unrelated donors and cord blood units for hematopoietic cell transplantation: guidelines from the NMDP/CIBMTR. <i>Blood</i> , 2019 , 134, 924-934	2.2	98
109	Single haplotype admixture models using large scale HLA genotype frequencies to reproduce human admixture. <i>Immunogenetics</i> , 2019 , 71, 589-604	3.2	1
108	Development of an Unrelated Donor Selection Score Predictive of Survival after HCT: Donor Age Matters Most. <i>Biology of Blood and Marrow Transplantation</i> , 2018 , 24, 1049-1056	4.7	53
107	Collection and storage of HLA NGS genotyping data for the 17th International HLA and Immunogenetics Workshop. <i>Human Immunology</i> , 2018 , 79, 77-86	2.3	13
106	Next generation sequencing characterizes the extent of HLA diversity in an Argentinian registry population. <i>Hla</i> , 2018 , 91, 175-186	1.9	16
105	The distribution of HLA haplotypes in the ethnic groups that make up the Brazilian Bone Marrow Volunteer Donor Registry (REDOME). <i>Immunogenetics</i> , 2018 , 70, 511-522	3.2	45
104	Significant variation between SNP-based HLA imputations in diverse populations: the last mile is the hardest. <i>Pharmacogenomics Journal</i> , 2018 , 18, 367-376	3.5	21
103	Machine Learning Approach to Predicting Stem Cell Donor Availability. <i>Biology of Blood and Marrow Transplantation</i> , 2018 , 24, 2425-2432	4.7	5
102	Mapping molecular HLA typing data to UNOS antigen equivalents. <i>Human Immunology</i> , 2018 , 79, 781-78	8 9 .3	10
101	Modeling coverage gaps in haplotype frequencies via Bayesian inference to improve stem cell donor selection. <i>Immunogenetics</i> , 2018 , 70, 279-292	3.2	3
100	Improved accuracy of clinical HLA genotyping by next-generation DNA sequencing affects unrelated donor search results for hematopoietic stem cell transplantation. <i>Human Immunology</i> , 2018 , 79, 848-854	2.3	12
99	Human leucocyte antigen (HLA)-A, -B, -C, -DRB1 and -DQB1 haplotype frequencies from 2491 cord blood units from Tamil speaking population from Tamil Nadu, India. <i>Molecular Biology Reports</i> , 2018 , 45, 2821-2829	2.8	4
98	Chromosome Y-encoded antigens associate with acute graft-versus-host disease in sex-mismatched stem cell transplant. <i>Blood Advances</i> , 2018 , 2, 2419-2429	7.8	9
97	East Meets West-Impact of Ethnicity on Donor Match Rates in the Ezer Mizion Bone Marrow Donor Registry. <i>Biology of Blood and Marrow Transplantation</i> , 2017 , 23, 1381-1386	4.7	4
96	HLA Amino Acid Polymorphisms and Kidney Allograft Survival. <i>Transplantation</i> , 2017 , 101, e170-e177	1.8	14
95	Revealing complete complex KIR haplotypes phased by long-read sequencing technology. <i>Genes and Immunity</i> , 2017 , 18, 127-134	4.4	42

94	Investigating the Association of Genetic Admixture and Donor/Recipient Genetic Disparity with Transplant Outcomes. <i>Biology of Blood and Marrow Transplantation</i> , 2017 , 23, 1029-1037	4.7	7
93	HLA class I haplotype diversity is consistent with selection for frequent existing haplotypes. <i>PLoS Computational Biology</i> , 2017 , 13, e1005693	5	22
92	High-resolution HLA A~B~DRB1 haplotype frequencies from the Ezer Mizion Bone Marrow Donor Registry in Israel. <i>Human Immunology</i> , 2016 , 77, 1114-1119	2.3	10
91	Identification of high-risk amino-acid substitutions in hematopoietic cell transplantation: a challenging task. <i>Bone Marrow Transplantation</i> , 2016 , 51, 1342-1349	4.4	7
90	HLA polymorphism and risk of multiple myeloma. <i>Leukemia</i> , 2016 , 30, 2260-2264	10.7	16
89	Unrelated donor search prognostic score to support early HLA consultation and clinical decisions. <i>Bone Marrow Transplantation</i> , 2016 , 51, 1476-1481	4.4	13
88	Charting improvements in US registry HLA typing ambiguity using a typing resolution score. <i>Human Immunology</i> , 2016 , 77, 542-9	2.3	14
87	The GL service: Web service to exchange GL string encoded HLA & KIR genotypes with complete and accurate allele and genotype ambiguity. <i>Human Immunology</i> , 2016 , 77, 249-256	2.3	6
86	High-Resolution Match Rate of 7/8 and 9/10 or Better for the Be The Match Unrelated Donor Registry. <i>Biology of Blood and Marrow Transplantation</i> , 2016 , 22, 759-763	4.7	13
85	Estimating KIR Haplotype Frequencies on a Cohort of 10,000 Individuals: A Comprehensive Study on Population Variations, Typing Resolutions, and Reference Haplotypes. <i>PLoS ONE</i> , 2016 , 11, e016397	3 ^{3.7}	14
84	Genetic editing of HLA expression in hematopoietic stem cells to broaden their human application. <i>Scientific Reports</i> , 2016 , 6, 21757	4.9	24
83	Asymmetric linkage disequilibrium: Tools for assessing multiallelic LD. <i>Human Immunology</i> , 2016 , 77, 288-294	2.3	8
82	Diversity in exon 5 of HLA-C(*)04:01:01G is significant in anthropological studies. <i>Human Immunology</i> , 2016 , 77, 426-8	2.3	1
81	On Modeling Human Leukocyte Antigen-Identical Sibling Match Probability for Allogeneic Hematopoietic Cell Transplantation: Estimating the Need for an Unrelated Donor Source. <i>Biology of Blood and Marrow Transplantation</i> , 2016 , 22, 410-7	4.7	48
80	The effect of donor characteristics on survival after unrelated donor transplantation for hematologic malignancy. <i>Blood</i> , 2016 , 127, 260-7	2.2	158
79	HapLogic: A Predictive Human Leukocyte Antigen-Matching Algorithm to Enhance Rapid Identification of the Optimal Unrelated Hematopoietic Stem Cell Sources for Transplantation. <i>Biology of Blood and Marrow Transplantation</i> , 2016 , 22, 2038-2046	4.7	47
78	A comparative reference study for the validation of HLA-matching algorithms in the search for allogeneic hematopoietic stem cell donors and cord blood units. <i>Hla</i> , 2016 , 87, 439-48	1.9	23
77	Power laws for heavy-tailed distributions: modeling allele and haplotype diversity for the national marrow donor program. <i>PLoS Computational Biology</i> , 2015 , 11, e1004204	5	13

(2013-2015)

76	Minimum information for reporting next generation sequence genotyping (MIRING): Guidelines for reporting HLA and KIR genotyping via next generation sequencing. <i>Human Immunology</i> , 2015 , 76, 954-	62 ^{2.3}	23
75	Histoimmunogenetics Markup Language 1.0: Reporting next generation sequencing-based HLA and KIR genotyping. <i>Human Immunology</i> , 2015 , 76, 963-74	2.3	24
74	8/8 and 10/10 high-resolution match rate for the be the match unrelated donor registry. <i>Biology of Blood and Marrow Transplantation</i> , 2015 , 21, 137-41	4.7	34
73	Race, Ethnicity and Ancestry in Unrelated Transplant Matching for the National Marrow Donor Program: A Comparison of Multiple Forms of Self-Identification with Genetics. <i>PLoS ONE</i> , 2015 , 10, e0	13डेब्रॅ60	28
72	Banking or Bankrupting: Strategies for Sustaining the Economic Future of Public Cord Blood Banks. <i>PLoS ONE</i> , 2015 , 10, e0143440	3.7	29
71	Donor Selection for Hematopoietic Stem Cell Transplant Using Cost-Sensitive SVM 2015 ,		1
70	The impact of amino acid variability on alloreactivity defines a functional distance predictive of permissive HLA-DPB1 mismatches in hematopoietic stem cell transplantation. <i>Biology of Blood and Marrow Transplantation</i> , 2015 , 21, 233-41	4.7	71
69	HLA match likelihoods for Indian patients seeking unrelated donor transplantation grafts: a population-based study. <i>Lancet Haematology,the</i> , 2014 , 1, e57-63	14.6	29
68	Progress toward an efficient panel of SNPs for ancestry inference. <i>Forensic Science International: Genetics</i> , 2014 , 10, 23-32	4.3	166
67	Impact of allele-level HLA matching on outcomes after myeloablative single unit umbilical cord blood transplantation for hematologic malignancy. <i>Blood</i> , 2014 , 123, 133-40	2.2	199
66	Fine-mapping of HLA associations with chronic lymphocytic leukemia in US populations. <i>Blood</i> , 2014 , 124, 2657-65	2.2	24
65	HLA match likelihoods for hematopoietic stem-cell grafts in the U.S. registry. <i>New England Journal of Medicine</i> , 2014 , 371, 339-48	59.2	626
64	Validation of statistical imputation of allele-level multilocus phased genotypes from ambiguous HLA assignments. <i>Tissue Antigens</i> , 2014 , 84, 285-92		41
63	HLA diversity in the 1000 genomes dataset. <i>PLoS ONE</i> , 2014 , 9, e97282	3.7	112
62	Competing risks with missing covariates: effect of haplotypematch on hematopoietic cell transplant patients. <i>Lifetime Data Analysis</i> , 2013 , 19, 19-32	1.3	3
61	An update to the HLA Nomenclature Guidelines of the World Marrow Donor Association, 2012. <i>Bone Marrow Transplantation</i> , 2013 , 48, 1387-8	4.4	9
60	Six-locus high resolution HLA haplotype frequencies derived from mixed-resolution DNA typing for the entire US donor registry. <i>Human Immunology</i> , 2013 , 74, 1313-20	2.3	236
59	16(th) IHIW: global analysis of registry HLA haplotypes from 20 million individuals: report from the IHIW Registry Diversity Group. <i>International Journal of Immunogenetics</i> , 2013 , 40, 66-71	2.3	14

58	Extensive haplotype diversity in African American mothers and their cord blood units. <i>Tissue Antigens</i> , 2013 , 81, 28-34		4
57	16(th) IHIW: immunogenomic data-management methods. report from the immunogenomic data analysis working group (IDAWG). <i>International Journal of Immunogenetics</i> , 2013 , 40, 46-53	2.3	5
56	Common and well-documented HLA alleles: 2012 update to the CWD catalogue. <i>Tissue Antigens</i> , 2013 , 81, 194-203		171
55	Amino acid substitution at peptide-binding pockets of HLA class I molecules increases risk of severe acute GVHD and mortality. <i>Blood</i> , 2013 , 122, 3651-8	2.2	69
54	Complementarity of Binding Motifs is a General Property of HLA-A and HLA-B Molecules and Does Not Seem to Effect HLA Haplotype Composition. <i>Frontiers in Immunology</i> , 2013 , 4, 374	8.4	4
53	Genetic risk variants in African Americans with multiple sclerosis. <i>Neurology</i> , 2013 , 81, 219-27	6.5	45
52	Comparative validation of computer programs for haplotype frequency estimation from donor registry data. <i>Tissue Antigens</i> , 2013 , 82, 93-105		21
51	Genotype List String: a grammar for describing HLA and KIR genotyping results in a text string. <i>Tissue Antigens</i> , 2013 , 82, 106-12		38
50	Tracking human migrations by the analysis of the distribution of HLA alleles, lineages and haplotypes in closed and open populations. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012 , 367, 820-9	5.8	65
49	Measuring ambiguity in HLA typing methods. <i>PLoS ONE</i> , 2012 , 7, e43585	3.7	17
48	A combined DPA1~DPB1 amino acid epitope is the primary unit of selection on the HLA-DP heterodimer. <i>Immunogenetics</i> , 2012 , 64, 559-69	3.2	35
47	Identification by random forest method of HLA class I amino acid substitutions associated with lower survival at day 100 in unrelated donor hematopoietic cell transplantation. <i>Bone Marrow Transplantation</i> , 2012 , 47, 217-26	4.4	27
46	Prediction of HLA Genes from SNP Data and HLA Haplotype Frequencies 2012,		4
45	Allele-level haplotype frequencies and pairwise linkage disequilibrium for 14 KIR loci in 506 European-American individuals. <i>PLoS ONE</i> , 2012 , 7, e47491	3.7	68
44	Cord blood unit access and selection: 2010 and beyond: best practices and emerging trends in cord blood unit selection. <i>Biology of Blood and Marrow Transplantation</i> , 2011 , 17, S46-51	4.7	13
43	A community standard for immunogenomic data reporting and analysis: proposal for a STrengthening the REporting of Immunogenomic Studies statement. <i>Tissue Antigens</i> , 2011 , 78, 333-44		38
42	The shaping of modern human immune systems by multiregional admixture with archaic humans. <i>Science</i> , 2011 , 334, 89-94	33.3	353
41	World Marrow Donor Association framework for the implementation of HLA matching programs in hematopoietic stem cell donor registries and cord blood banks. <i>Bone Marrow Transplantation</i> , 2011 , 46, 338-43	4.4	15

40	Nomenclature for factors of the HLA system, 2010. <i>Tissue Antigens</i> , 2010 , 75, 291-455		2444
39	Genetic differentiation of Jewish populations. <i>Tissue Antigens</i> , 2010 , 76, 442-58		31
38	Information technology and the role of WMDA in promoting standards for international exchange of hematopoietic stem cell donors and products. <i>Bone Marrow Transplantation</i> , 2010 , 45, 839-42	4.4	10
37	An update to HLA nomenclature, 2010. Bone Marrow Transplantation, 2010, 45, 846-8	4.4	40
36	The HLA dictionary 2008: a summary of HLA-A, -B, -C, -DRB1/3/4/5, and -DQB1 alleles and their association with serologically defined HLA-A, -B, -C, -DR, and -DQ antigens. <i>Tissue Antigens</i> , 2009 , 73, 95-170		124
35	Four-locus high-resolution HLA typing in a sample of Mexican Americans. <i>Tissue Antigens</i> , 2009 , 74, 508-	13	20
34	HLA-A disparities illustrate challenges for ranking the impact of HLA mismatches on bone marrow transplant outcomes in the United States. <i>Biology of Blood and Marrow Transplantation</i> , 2009 , 15, 971-8	14 ·7	25
33	Use of cost-effectiveness analysis to determine inventory size for a national cord blood bank. <i>Medical Decision Making</i> , 2008 , 28, 243-53	2.5	28
32	Classification of HLA-matching for retrospective analysis of unrelated donor transplantation: revised definitions to predict survival. <i>Biology of Blood and Marrow Transplantation</i> , 2008 , 14, 748-58	4.7	177
31	Advances in the selection of HLA-compatible donors: refinements in HLA typing and matching over the first 20 years of the National Marrow Donor Program Registry. <i>Biology of Blood and Marrow Transplantation</i> , 2008 , 14, 37-44	4.7	84
30	Re-creation of the genetic composition of a founder population. <i>Human Genetics</i> , 2008 , 124, 417-21	6.3	1
29	World Marrow Donor Association guidelines for use of HLA nomenclature and its validation in the data exchange among hematopoietic stem cell donor registries and cord blood banks. <i>Bone Marrow Transplantation</i> , 2007 , 39, 737-41	4.4	29
28	Overview of registries, HLA typing and diversity, and search algorithms. <i>Tissue Antigens</i> , 2007 , 69 Suppl 1, 3-5		19
27	A community standard XML message format for sequencing-based typing data. <i>Tissue Antigens</i> , 2007 , 69 Suppl 1, 69-71		6
26	Common and well-documented HLA alleles: report of the Ad-Hoc committee of the american society for histocompatiblity and immunogenetics. <i>Human Immunology</i> , 2007 , 68, 392-417	2.3	181
25	High-resolution HLA alleles and haplotypes in the United States population. <i>Human Immunology</i> , 2007 , 68, 779-88	2.3	331
24	Estimation of HLA-A, -B, -DRB1 haplotype frequencies using mixed resolution data from a National Registry with selective retyping of volunteers. <i>Human Immunology</i> , 2007 , 68, 950-8	2.3	68
23	The effect of KIR ligand incompatibility on the outcome of unrelated donor transplantation: a report from the center for international blood and marrow transplant research, the European blood and marrow transplant registry, and the Dutch registry. <i>Biology of Blood and Marrow</i>	4.7	215

22	113-P. <i>Human Immunology</i> , 2006 , 67, S127	2.3	4
21	Haplotype associations of 90 rare alleles from the National Marrow Donor Program. <i>Tissue Antigens</i> , 2006 , 67, 284-9		26
20	HLA dictionary 2004: summary of HLA-A, -B, -C, -DRB1/3/4/5, -DQB1 alleles and their association with serologically defined HLA-A, -B, -C, -DR, and -DQ antigens. <i>Human Immunology</i> , 2005 , 66, 170-210	2.3	38
19	The HLA Dictionary 2004: a summary of HLA-A, -B, -C, -DRB1/3/4/5 and -DQB1 alleles and their association with serologically defined HLA-A, -B, -C, -DR and -DQ antigens. <i>Tissue Antigens</i> , 2005 , 65, 1-5	55	41
18	The HLA Dictionary 2004: a summary of HLA-A, -B, -C, -DRB1/3/4/5 and -DQB1 alleles and their association with serologically defined HLA-A, -B, -C, -DR and -DQ antigens. <i>International Journal of Immunogenetics</i> , 2005 , 32, 19-69	2.3	17
17	Negative Impact of KIR-Ligand Mismatch on Transplant-Related Mortality (TRM) in Umbilical Cord Blood Transplant (UCBT) Recipients <i>Blood</i> , 2005 , 106, 2041-2041	2.2	2
16	Hematopoietic stem cell donor registry strategies for assigning search determinants and matching relationships. <i>Bone Marrow Transplantation</i> , 2004 , 33, 443-50	4.4	32
15	Use of a neural network to assign serologic specificities to HLA-A, -B and -DRB1 allelic products. <i>Tissue Antigens</i> , 2003 , 62, 21-47		14
14	New HLA haplotype frequency reference standards: high-resolution and large sample typing of HLA DR-DQ haplotypes in a sample of European Americans. <i>Tissue Antigens</i> , 2003 , 62, 296-307		139
13	Availability of unrelated donors for hematopoietic stem cell transplantation for hemoglobinopathies. <i>Bone Marrow Transplantation</i> , 2003 , 31, 547-50	4.4	73
12	The HLA Dictionary 2001: a summary of HLA-A, -B, -C, -DRB1/3/4/5, -DQB1 alleles and their association with serologically defined HLA-A, -B, -C, -DR and -DQ antigens. <i>Tissue Antigens</i> , 2001 , 58, 109	9-40	27
11	The HLA Dictionary 2001: a summary of HLA-A, -B, -C, -DRB1/3/4/5 and -DQB1 alleles and their association with serologically defined HLA-A, -B, -C, -DR and -DQ antigens. <i>International Journal of Immunogenetics</i> , 2001 , 28, 565-96		21
10	The HLA dictionary 2001: a summary of HLA-A, -B, -C, -DRB1/3/4/5, -DQB1 alleles and their association with serologically defined HLA-A, -B, -C, -DR, and -DQ antigens. <i>Human Immunology</i> , 2001 , 62, 826-49	2.3	28
9			
	Large-scale DNA-based typing of HLA-A and HLA-B at low resolution is highly accurate specific and reliable. <i>Tissue Antigens</i> , 2000 , 55, 352-8		20
8			13
8	reliable. <i>Tissue Antigens</i> , 2000 , 55, 352-8 Going back to the roots: effective utilisation of HLA typing information for bone marrow registries requires full knowledge of the DNA sequences of the oligonucleotide reagents used in the testing.		
	reliable. <i>Tissue Antigens</i> , 2000 , 55, 352-8 Going back to the roots: effective utilisation of HLA typing information for bone marrow registries requires full knowledge of the DNA sequences of the oligonucleotide reagents used in the testing. <i>Tissue Antigens</i> , 2000 , 56, 99-102 Maintaining updated DNA-based HLA assignments in the National Marrow Donor Program Bone	9-37	13

LIST OF PUBLICATIONS

4	Efficient Sequencing, Assembly, and Annotation of Human KIR Haplotypes	3
3	GRIMM: GRaph IMputation and Matching for HLA Genotypes	1
2	A Detailed View of KIR Haplotype Structures and Gene Families as Provided by a New Motif-based Multiple Sequence Alignment	1
1	Multiple Measures Reveal The Value of Both Race And Geographic Ancestry For Self-Identification	1