Raja Rajalingam

List of Publications by Year
in descending order

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83 papers	3,401 citations	249298 26 h-index	169272 56 g-index
113 all docs	113 docs citations	113 times ranked	4786 citing authors

#	Article	IF	Citations
1	Concurrent use of two independent methods prevents erroneous HLA typing of deceased organ donors â€“ An important strategy for patient safety and accurate virtual crossmatching for broader sharing. Human Immunology, 2022, 83, 458-466.	1.2	2
2	Individualized Constellation of Killer Cell Immunoglobulin-Like Receptors and Cognate HLA Class I Ligands that Controls Natural Killer Cell Antiviral Immunity Predisposes COVID-19. Frontiers in Genetics, 2022, 13, 845474.	1.1	15
3	Hematopoietic Stem Cell Factors: Their Functional Role in Self-Renewal and Clinical Aspects. Frontiers in Cell and Developmental Biology, 2022, 10, 664261.	1.8	16
4	Coexistence of inhibitory and activating killer-cell immunoglobulin-like receptors to the same cognate HLA-C2 and Bw4 ligands confer breast cancer risk. Scientific Reports, 2021, 11, 7932.	1.6	6
5	Individualized genetic makeup that controls natural killer cell function influences the efficacy of isatuximab immunotherapy in patients with multiple myeloma. , 2021, 9, e002958.		10
6	Concurrent typing of over 4000 samples by long-range PCR amplicon-based NGS and rSSO revealed the need to verify NGS typing for HLA allelic dropouts. Human Immunology, 2021, 82, 581-587.	1.2	5
7	COVID-19 does not impact HLA antibody profile in a series of waitlisted renal transplant candidates. Human Immunology, 2021, 82, 568-573.	1.2	13
8	Solid-Phase C1q/C3d Fixing Readouts Correlate with High Median Fluorescence Intensity (MFI) De Novo Donor-Specific HLA Antibodies and C4dâ Antibody-Mediated Rejection in Kidney Transplant Recipients. Annals of Transplantation, 2021, 26, e934175.	0.5	3
9	Quantitative HLAâ€classâ€II/factor VIII (FVIII) peptidomic variation in dendritic cells correlates with the immunogenic potential of therapeutic FVIII proteins in hemophilia A. Journal of Thrombosis and Haemostasis, 2020, 18, 201-216.	1.9	3
10	A Virtual Crossmatch-based Strategy Facilitates Sharing of Deceased Donor Kidneys for Highly Sensitized Recipients. Transplantation, 2020, 104, 1239-1245.	0.5	20
11	Allele-level HLA matching reduces early rejection in lung transplant recipients. Annals of Translational Medicine, 2020, 8, 275-275.	0.7	0
12	Disentangling the Effects of HLA DRB1*15:01 and DQB1*06:02 to Establish the True HLA Risk Allele for Inhibitor Development in the Treatment of Hemophilia A. Blood, 2020, 136, 1-2.	0.6	0
13	N-Linked Glycans on Therapeutic Factor VIII (FVIII) Proteins Attenuate Immunogenicity Potential: Evidence from Independent HLA-Class-II/FVIII (HLAcII/FVIII) Peptidomes. Blood, 2020, 136, 29-30.	0.6	0
14	De novo mutations in mitochondrial DNA of iPSCs produce immunogenic neoepitopes in mice and humans. Nature Biotechnology, 2019, 37, 1137-1144.	9.4	74
15	Long-Term Safety, Immunologic Response, and Imaging Outcomes following Neural Stem Cell Transplantation for Pelizaeus-Merzbacher Disease. Stem Cell Reports, 2019, 13, 254-261.	2.3	34
16	Selection of unrelated donors and cord blood units for hematopoietic cell transplantation: guidelines from the NMDP/CIBMTR. Blood, 2019, 134, 924-934.	0.6	199
17	Association of HLA Antigen Mismatch With Risk of Developing Skin Cancer After Solid-Organ Transplant. JAMA Dermatology, 2019, 155, 307.	2.0	11
18	Gene signatures common to allograft rejection are associated with lymphocytic bronchitis. Clinical Transplantation, 2019, 33, e13515.	0.8	13

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19	The Dendritic Cell HLA-Class-II/Therapeutic Factor VIII (FVIII) Peptidome Is Influenced in Unanticipated Ways By the B-Domain of FVIII and the FVIII Chaperon Protein, Von Willebrand Factor: The Outrigger and Glycosylation-Umbrella (GUMB) Hypotheses. Blood, 2019, 134, 161-161.	0.6	0
20	On the Role of F8 Sequence Mismatch and Class-II Human Leukocyte Antigen Binding in the Development of Neutralizing Antibodies ("Inhibitors") Directed Against Therapeutic Factor VIII Proteins (tFVIIIs): Evidence from the PATH Study. Blood, 2019, 134, 2393-2393.	0.6	0
21	Novel and shared neoantigen derived from histone 3 variant H3.3K27M mutation for glioma T cell therapy. Journal of Experimental Medicine, 2018, 215, 141-157.	4.2	186
22	Inhibitory natural killer cell receptor KIR3DL1 with its ligand Bw4 constraints HIV-1 disease among South Indians. Aids, 2018, 32, 2679-2688.	1.0	10
23	Successful Deceased Donor Kidney Transplantation of Highly Sensitized Candidates Across Positive Cross Match and Strong Donor-Specific HLA-DP Antibodies without Desensitization. Transplantation, 2018, 102, S159-S160.	0.5	0
24	Antibody Analysis of 4176 Candidates waiting for Kidney Transplantation Discover the Hierarchy of Antibody-Provoking HLA Types that Warrant Matching in Kidney Transplantation. Transplantation, 2018, 102, S216.	0.5	0
25	Diversity of Killer Cell Immunoglobulin-Like Receptors and Disease. Clinics in Laboratory Medicine, 2018, 38, 637-653.	0.7	26
26	Genotypes associated with tacrolimus pharmacokinetics impact clinical outcomes in lung transplant recipients. Clinical Transplantation, 2018, 32, e13332.	0.8	18
27	The Role of Class II Human Leukocyte Antigens (cII-HLAs) in Determining the Immunogenic Potential of Therapeutic Factor VIII Proteins in Hemophilia Patients: The "Gate Keeper" Hypothesis. Blood, 2018, 132, 5022-5022.	0.6	1
28	Genetics of Factor VIII Inhibitor Development in Hemophilia Patients: Novel Statistical Approaches in the PATH Study. Blood, 2018, 132, 1199-1199.	0.6	0
29	HLA Mismatching Favoring Host-Versus-Graft NK Cell Activity Via KIR3DL1 Is Associated With Improved Outcomes Following Lung Transplantation. American Journal of Transplantation, 2017, 17, 2192-2199.	2.6	22
30	Short lung transplant donor telomere length is associated with decreased CLAD-free survival. Thorax, 2017, 72, 1052-1054.	2.7	57
31	P138 KIR Genotypes that encode activating NK cell receptor repertoire are associated with the sever form of rheumatic heart disease among south Indian population. Human Immunology, 2017, 78, 155.	1.2	2
32	P144 UNOS SM matching system failed to exclude a donor typed as Bâ^—51:02 for a kidney candidate with HLA-B51 avoid. Human Immunology, 2017, 78, 160-161.	1.2	0
33	P181 KIR2DL3 protects the development of type 1 diabetes in children under 10 years old in South Indian population. Human Immunology, 2017, 78, 192.	1.2	0
34	P003 Successful kidney transplantation across positive crossmatches with strong donor-specific HLA-DP antibodies. Human Immunology, 2017, 78, 53.	1.2	0
35	Decreased Donor PBMC and Allograft Telomere Length Are Associated with Shorter CLAD-Free Survival. Journal of Heart and Lung Transplantation, 2017, 36, S129-S130.	0.3	0
36	Impact of CYP3A5, CYP3A4, and ABCB1 Genotypes on Lung Transplant Recipient Early Clinical Outcomes. Journal of Heart and Lung Transplantation, 2017, 36, S151.	0.3	3

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37	IMMU-41. H3.3K27M MUTATION-DERIVED NOVEL NEOANTIGEN â€“ CHARACTERIZATION OF THE HLA-A2-BINDING EPITOPE AND AÂSPECIFIC T CELL RECEPTOR FOR DEVELOPMENT OF T CELL-BASED IMMUNOTHERAPY. Neuro-Oncology, 2017, 19, vi121-vi121.	0.6	0
38	KIR3DL1/HLA-B Subtypes Govern Acute Myelogenous Leukemia Relapse After Hematopoietic Cell Transplantation. Journal of Clinical Oncology, 2017, 35, 2268-2278.	0.8	109
39	The Impact of HLA Class I-Specific Killer Cell Immunoglobulin-Like Receptors on Antibody-Dependent Natural Killer Cell-Mediated Cytotoxicity and Organ Allograft Rejection. Frontiers in Immunology, 2016, 7, 585.	2.2	40
40	Donor-Recipient Matching for KIR Genotypes Reduces Chronic GVHD and Missing Inhibitory KIR Ligands Protect against Relapse after Myeloablative, HLA Matched Hematopoietic Cell Transplantation. PLoS ONE, 2016, 11, e0158242.	1.1	21
41	KIR and HLA Genotypes Implicated in Reduced Killer Lymphocytes Immunity Are Associated with Vogt-Koyanagi-Harada Disease. PLoS ONE, 2016, 11, e0160392.	1.1	8
42	Donor-Reactive Regulatory T Cell Frequency Increases During Acute Cellular Rejection of Lung Allografts. Transplantation, 2016, 100, 2090-2098.	0.5	15
43	P010 Complex constellation of HLA antibodies contributes to decreasing trend of kidney transplant rate in candidates with 100% CPRA. Human Immunology, 2016, 77, 47-48.	1.2	0
44	OR24 Recipient FCGR3A-158V homozygous genotype is associated with an increased risk of chronic lung allograft dysfunction. Human Immunology, 2016, 77, 19-20.	1.2	3
45	Defining KIR and HLA Class I Genotypes at Highest Resolution via High-Throughput Sequencing. American Journal of Human Genetics, 2016, 99, 375-391.	2.6	156
46	CRM1 Inhibition Promotes Cytotoxicity in Ewing Sarcoma Cells by Repressing EWS-FLI1â€“Dependent IGF-1 Signaling. Cancer Research, 2016, 76, 2687-2697.	0.4	29
47	Polymorphic KIR-HLA System Regulates Natural Killer Cell Response. , 2016, , 369-380.		1
48	KIRâ€“HLA genotypes suggestive of opposing natural killer cell responses are associated with tuberculosis and sarcoidosis, the granulomatous diseases with similar pathology. Human Immunology, 2015, 76, 123.	1.2	0
49	Multiple high MFI Class I DSA can cause acute AMR of kidney allograft in simultaneous liver and kidney transplant recipients: outcome analysis from a single-center. Human Immunology, 2015, 76, 137.	1.2	2
50	ABO, Tissue Typing, and Crossmatch Incompatibility. , 2015, , 1245-1256.		0
51	HLA Markers DQ8 and DR53 Are Associated With Lymphocytic Hypophysitis and May Aid in Differential Diagnosis. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 4092-4097.	1.8	52
52	OR18 C3D-Binding de novo donor-specific HLA antibodies and antibody-mediated rejection of kidney transplants. Human Immunology, 2015, 76, 16.	1.2	0
53	OR10. Human Immunology, 2014, 75, 8.	1.2	0
54	Human NK Cells Licensed by Killer Ig Receptor Genes Have an Altered Cytokine Program That Modifies CD4+ T Cell Function. Journal of Immunology, 2014, 193, 940-949.	0.4	28

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55	Characterization of human killer immunoglobulin-like receptors (KIRs) among healthy Saudis. Human Immunology, 2014, 75, 536-540.	1.2	12
56	Gene-Specific PCR Typing of Killer Cell Immunoglobulin-Like Receptors. Methods in Molecular Biology, 2013, 1034, 239-255.	0.4	5
57	Sa1778 Genetically-Determined Cytokine Programs of Human Natural Killer (NK) Cells Uncover a Novel Mechanism of NK Cells and Kir Genes in Crohn's Disease Susceptibility. Gastroenterology, 2013, 144, S-304.	0.6	0
58	Observations regarding the immunogenicity of BDDâ€rFVIII derived from a mechanistic personalized medicine perspective. Journal of Thrombosis and Haemostasis, 2012, 10, 1961-1965.	1.9	8
59	KIR3DL1/S1 and HLA-B Alleles Combine to Influence Unrelated Hematopoietic Stem Cell Transplantation (HSCT) Outcomes. Biology of Blood and Marrow Transplantation, 2012, 18, S223-S224.	2.0	0
60	Overview of the Killer Cell Immunoglobulin-Like Receptor System. Methods in Molecular Biology, 2012, 882, 391-414.	0.4	53
61	Allele-Level Haplotype Frequencies and Pairwise Linkage Disequilibrium for 14 KIR Loci in 506 European-American Individuals. PLoS ONE, 2012, 7, e47491.	1.1	85
62	Donor KIR3DL1 and HLA-B Allotypes Control Leukemia Relapse After Allogeneic Hematopoietic Stem Cell Transplantation. Blood, 2012, 120, 349-349.	0.6	3
63	Comparison of KIR gene content profiles revealed a difference between northern and southern Persians in the distribution of KIR2DS5 and its linked loci. Human Immunology, 2011, 72, 1079-1083.	1.2	13
64	Human diversity of killer cell immunoglobulin-like receptors and disease. The Korean Journal of Hematology, 2011, 46, 216.	0.7	72
65	The Shaping of Modern Human Immune Systems by Multiregional Admixture with Archaic Humans. Science, 2011, 334, 89-94.	6.0	441
66	Killer Cell Immunoglobulin-like Receptors in HLA-B27â€“Associated Acute Anterior Uveitis, with and without Axial Spondyloarthropathy. , 2010, 51, 1505.		20
67	Human-Specific Evolution and Adaptation Led to Major Qualitative Differences in the Variable Receptors of Human and Chimpanzee Natural Killer Cells. PLoS Genetics, 2010, 6, e1001192.	1.5	81
68	Activating killer cell immunoglobulin-like receptors 3DS1 and 2DS1 protect against developing the severe form of recurrent respiratory papillomatosis. Human Immunology, 2010, 71, 212-219.	1.2	65
69	Killer cell immunoglobulin-like receptor gene-cluster 3DS1-2DL5-2DS1-2DS5 predisposes susceptibility to Vogtâ€“Koyanagiâ€“Harada syndrome in Japanese individuals. Human Immunology, 2010, 71, 192-194.	1.2	22
70	KIR gene content diversity in four Iranian populations. Immunogenetics, 2009, 61, 483-492.	1.2	63
71	Distinct diversity of KIR genes in three southern Indian populations: comparison with world populations revealed a link between KIR gene content and pre-historic human migrations. Immunogenetics, 2008, 60, 207-217.	1.2	85
72	KIR and HLA gene combinations in Vogt-Koyanagi-Harada disease. Human Immunology, 2008, 69, 349-353.	1.2	27

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73	Variable interactions of recipient killer cell immunoglobulin-like receptors with self and allogenic human leukocyte antigen class I ligands may influence the outcome of solid organ transplants. Current Opinion in Organ Transplantation, 2008, 13, 430-437.	0.8	10
74	Combination of KIRâ€HLA genotypes implicated in weak inhibition and autoimmunity augments risk for Birdshot Chorioretinopathy in HLAâ€A29 positive individuals. FASEB Journal, 2008, 22, 850.4.	0.2	0
75	Chain-terminating natural mutations affect the function of activating KIR receptors 3DS1 and 2DS3. Immunogenetics, 2007, 59, 779-792.	1.2	13
76	Receptor-ligand analyses define minimal killer cell Ig-like receptor (KIR) in humans. Immunogenetics, 2006, 59, 1-15.	1.2	114
77	Domain Shuffling Has Been the Main Mechanism Forming New Hominoid Killer Cell Ig-Like Receptors. Journal of Immunology, 2004, 172, 356-369.	0.4	113
78	A sequencing-based typing method for HLA-DQA1 alleles. Human Immunology, 2004, 65, 373-379.	1.2	13
79	Distinctive KIR and HLA diversity in a panel of north Indian Hindus. Immunogenetics, 2002, 53, 1009-1019.	1.2	150
80	Predominance of group A KIR haplotypes in Japanese associated with diverse NK cell repertoires of KIR expression. Immunogenetics, 2002, 54, 543-550.	1.2	182
81	Different NK Cell Surface Phenotypes Defined by the DX9 Antibody Are Due toKIR3DL1Gene Polymorphism. Journal of Immunology, 2001, 166, 2992-3001.	0.4	251
82	Rapid Evolution of NK Cell Receptor Systems Demonstrated by Comparison of Chimpanzees and Humans. Immunity, 2000, 12, 687-698.	6.6	271
83	Killer Cell Immunoglobulin-Like Receptors in Clinical Transplantation. , 0, , 1150-1160.		0