

Paul J Norman

List of Publications by Year in descending order

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104
papers

7,906
citations

71102

41
h-index

56724

83
g-index

111
all docs

111
docs citations

111
times ranked

10799
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic analyses of diverse populations improves discovery for complex traits. <i>Nature</i> , 2019, 570, 514-518.	27.8	679
2	Genetic and Environmental Determinants of Human NK Cell Diversity Revealed by Mass Cytometry. <i>Science Translational Medicine</i> , 2013, 5, 208ra145.	12.4	491
3	Genomic evidence for the Pleistocene and recent population history of Native Americans. <i>Science</i> , 2015, 349, aab3884.	12.6	449
4	The Shaping of Modern Human Immune Systems by Multiregional Admixture with Archaic Humans. <i>Science</i> , 2011, 334, 89-94.	12.6	441
5	Hunter-gatherer genomic diversity suggests a southern African origin for modern humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 5154-5162.	7.1	394
6	Synergistic Polymorphism at Two Positions Distal to the Ligand-Binding Site Makes KIR2DL2 a Stronger Receptor for HLA-C Than KIR2DL3. <i>Journal of Immunology</i> , 2008, 180, 3969-3979.	0.8	350
7	Reconstructing the Population Genetic History of the Caribbean. <i>PLoS Genetics</i> , 2013, 9, e1003925.	3.5	296
8	Different Patterns of Evolution in the Centromeric and Telomeric Regions of Group A and B Haplotypes of the Human Killer Cell Ig-Like Receptor Locus. <i>PLoS ONE</i> , 2010, 5, e15115.	2.5	235
9	KIR2DS4 is a product of gene conversion with KIR3DL2 that introduced specificity for HLA-A*11 while diminishing avidity for HLA-C. <i>Journal of Experimental Medicine</i> , 2009, 206, 2557-2572.	8.5	211
10	Unusual selection on the KIR3DL1/S1 natural killer cell receptor in Africans. <i>Nature Genetics</i> , 2007, 39, 1092-1099.	21.4	207
11	Class I HLA haplotypes form two schools that educate NK cells in different ways. <i>Science Immunology</i> , 2016, 1, .	11.9	189
12	Distribution of natural killer cell immunoglobulin-like receptor sequences in three ethnic groups. <i>Immunogenetics</i> , 2001, 52, 195-205.	2.4	188
13	Human-specific evolution of killer cell immunoglobulin-like receptor recognition of major histocompatibility complex class I molecules. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 800-811.	4.0	171
14	Natural killer cell immunoglobulin-like receptor (KIR) locus profiles in African and South Asian populations. <i>Genes and Immunity</i> , 2002, 3, 86-95.	4.1	165
15	Defining KIR and HLA Class I Genotypes at Highest Resolution via High-Throughput Sequencing. <i>American Journal of Human Genetics</i> , 2016, 99, 375-391.	6.2	156
16	A <i>KIR B</i> centromeric region present in Africans but not Europeans protects pregnant women from pre-eclampsia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 845-850.	7.1	134
17	Distinguishing functional polymorphism from random variation in the sequences of >10,000 HLA-A, -B and -C alleles. <i>PLoS Genetics</i> , 2017, 13, e1006862.	3.5	129
18	Co-evolution of Human Leukocyte Antigen (HLA) Class I Ligands with Killer-Cell Immunoglobulin-Like Receptors (KIR) in a Genetically Diverse Population of Sub-Saharan Africans. <i>PLoS Genetics</i> , 2013, 9, e1003938.	3.5	113

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19	Co-evolution of KIR2DL3 with HLA-C in a human population retaining minimal essential diversity of KIR and HLA class I ligands. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18692-18697.	7.1	109
20	Polymorphic HLA-C Receptors Balance the Functional Characteristics of <i>KIR</i> Haplotypes. Journal of Immunology, 2015, 195, 3160-3170.	0.8	108
21	Meiotic recombination generates rich diversity in NK cell receptor genes, alleles, and haplotypes. Genome Research, 2009, 19, 757-769.	5.5	104
22	Patterns of Admixture and Population Structure in Native Populations of Northwest North America. PLoS Genetics, 2014, 10, e1004530.	3.5	81
23	Co-evolution of <i>MHC</i> class I and variable <i>NK</i> cell receptors in placental mammals. Immunological Reviews, 2015, 267, 259-282.	6.0	80
24	Sequences of 95 human <i>MHC</i> haplotypes reveal extreme coding variation in genes other than highly polymorphic <i>HLA</i> class I and <i>II</i> . Genome Research, 2017, 27, 813-823.	5.5	79
25	Reduced telomere length in rheumatoid arthritis is independent of disease activity and duration. Annals of the Rheumatic Diseases, 2006, 66, 476-480.	0.9	76
26	Mutation at Positively Selected Positions in the Binding Site for HLA-C Shows That KIR2DL1 Is a More Refined but Less Adaptable NK Cell Receptor Than KIR2DL3. Journal of Immunology, 2012, 189, 1418-1430.	0.8	76
27	Deciphering the killer cell immunoglobulin-like receptor system at super-resolution for natural killer and T cell biology. Immunology, 2017, 150, 248-264.	4.4	74
28	High KIR diversity in Amerindians is maintained using few gene-content haplotypes. Immunogenetics, 2006, 58, 474-480.	2.4	73
29	Primate-specific regulation of natural killer cells. Journal of Medical Primatology, 2010, 39, 194-212.	0.6	64
30	Variable NK Cell Receptors Exemplified by Human KIR3DL1/S1. Journal of Immunology, 2011, 187, 11-19.	0.8	61
31	Novel <i>KIR3DL1</i> Alleles and Their Expression Levels on NK Cells: Convergent Evolution of <i>KIR3DL1</i> Phenotype Variation?. Journal of Immunology, 2008, 180, 6743-6750.	0.8	60
32	Polymorphic Sites Away from the Bw4 Epitope That Affect Interaction of Bw4+ HLA-B with KIR3DL1. Journal of Immunology, 2008, 181, 6293-6300.	0.8	60
33	Allele-Level KIR Genotyping of More Than a Million Samples: Workflow, Algorithm, and Observations. Frontiers in Immunology, 2018, 9, 2843.	4.8	60
34	A subset of HLA-DP molecules serve as ligands for the natural cytotoxicity receptor NKp44. Nature Immunology, 2019, 20, 1129-1137.	14.5	59
35	A specific amino acid motif of <i>HLA-DRB1</i> mediates risk and interacts with smoking history in Parkinson's disease. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7419-7424.	7.1	58
36	Genetic influence on peripheral blood T lymphocyte levels. Genes and Immunity, 2000, 1, 423-427.	4.1	57

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37	Two alternate strategies for innate immunity to Epstein-Barr virus: One using NK cells and the other NK cells and β 1 T cells. <i>Journal of Experimental Medicine</i> , 2017, 214, 1827-1841.	8.5	57
38	Dimorphic Motifs in D0 and D1+D2 Domains of Killer Cell Ig-Like Receptor 3DL1 Combine to Form Receptors with High, Moderate, and No Avidity for the Complex of a Peptide Derived from HIV and HLA-A*2402. <i>Journal of Immunology</i> , 2009, 183, 4569-4582.	0.8	55
39	SNP haplotypes and allele frequencies show evidence for disruptive and balancing selection in the human leukocyte receptor complex. <i>Immunogenetics</i> , 2004, 56, 225-37.	2.4	49
40	Chimpanzees Use More Varied Receptors and Ligands Than Humans for Inhibitory Killer Cell Ig-Like Receptor Recognition of the MHC-C1 and MHC-C2 Epitopes. <i>Journal of Immunology</i> , 2009, 182, 3628-3637.	0.8	49
41	KIR2DS5 allotypes that recognize the C2 epitope of HLA-B*57:01 are common among Africans and absent from Europeans. <i>Immunity, Inflammation and Disease</i> , 2017, 5, 461-468.	2.7	45
42	Natural killer-cell activity after human renal transplantation in relation to killer immunoglobulin-like receptors and human leukocyte antigen mismatch1. <i>Transplantation</i> , 2003, 76, 1220-1228.	1.0	43
43	Killer Ig-Like Receptor (KIR) Genotype Predicts the Capacity of Human KIR-Positive CD56dim NK Cells to Respond to Pathogen-Associated Signals. <i>Journal of Immunology</i> , 2009, 182, 6426-6434.	0.8	42
44	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, e0135960.	2.5	42
45	Loss and Gain of Natural Killer Cell Receptor Function in an African Hunter-Gatherer Population. <i>PLoS Genetics</i> , 2015, 11, e1005439.	3.5	42
46	Review: Immunogenetics of human placentation. <i>Placenta</i> , 2012, 33, S71-S80.	1.5	41
47	Complex interactions: The immunogenetics of human leukocyte antigen and killer cell immunoglobulin-like receptors. <i>Seminars in Hematology</i> , 2005, 42, 65-75.	3.4	38
48	Quantitative-Trait Loci on Chromosomes 1, 2, 3, 4, 8, 9, 11, 12, and 18 Control Variation in Levels of T and B Lymphocyte Subpopulations. <i>American Journal of Human Genetics</i> , 2002, 70, 1172-1182.	6.2	36
49	KIR diversity in Māori and Polynesians: populations in which HLA-B is not a significant KIR ligand. <i>Immunogenetics</i> , 2014, 66, 597-611.	2.4	36
50	Regulation of Adaptive NK Cells and CD8 T Cells by HLA-C Correlates with Allogeneic Hematopoietic Cell Transplantation and with Cytomegalovirus Reactivation. <i>Journal of Immunology</i> , 2015, 195, 4524-4536.	0.8	35
51	Host methylation predicts SARS-CoV-2 infection and clinical outcome. <i>Communications Medicine</i> , 2021, 1, 42.	4.2	35
52	Exome capture from saliva produces high quality genomic and metagenomic data. <i>BMC Genomics</i> , 2014, 15, 262.	2.8	34
53	High-Resolution Genetic and Phenotypic Analysis of KIR2DL1 Alleles and Their Association with Pre-Eclampsia. <i>Journal of Immunology</i> , 2018, 201, 2593-2601.	0.8	33
54	Different Selected Mechanisms Attenuated the Inhibitory Interaction of KIR2DL1 with C2+ HLA-C in Two Indigenous Human Populations in Southern Africa. <i>Journal of Immunology</i> , 2018, 200, 2640-2655.	0.8	32

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55	Signature Patterns of MHC Diversity in Three Gombe Communities of Wild Chimpanzees Reflect Fitness in Reproduction and Immune Defense against SIVcpz. <i>PLoS Biology</i> , 2015, 13, e1002144.	5.6	31
56	Conservation, Extensive Heterozygosity, and Convergence of Signaling Potential All Indicate a Critical Role for KIR3DL3 in Higher Primates. <i>Frontiers in Immunology</i> , 2019, 10, 24.	4.8	31
57	Episodes of Natural Selection Shaped the Interactions of IgA-Fc with FcÎ±RI and Bacterial Decoy Proteins. <i>Journal of Immunology</i> , 2007, 178, 7943-7954.	0.8	30
58	Isolation, purification and flow cytometric analysis of human intrahepatic lymphocytes using an improved technique. <i>Laboratory Investigation</i> , 2005, 85, 285-296.	3.7	29
59	Definition of the Cattle Killer Cell Igâ€“like Receptor Gene Family: Comparison with Aurochs and Human Counterparts. <i>Journal of Immunology</i> , 2014, 193, 6016-6030.	0.8	29
60	Analysis of Genomic DNA from Medieval Plague Victims Suggests Long-Term Effect of <i>Yersinia pestis</i> on Human Immunity Genes. <i>Molecular Biology and Evolution</i> , 2021, 38, 4059-4076.	8.9	29
61	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, 954-962.	2.4	28
62	Diversity of KIR, HLA Class I, and Their Interactions in Seven Populations of Sub-Saharan Africans. <i>Journal of Immunology</i> , 2019, 202, 2636-2647.	0.8	26
63	The polymorphism L412F in <i>TLR3</i> inhibits autophagy and is a marker of severe COVID-19 in males. <i>Autophagy</i> , 2022, 18, 1662-1672.	9.1	25
64	DNA sequence variation and molecular genotyping of natural killer leukocyte immunoglobulin-like receptor, LILRA3. <i>Immunogenetics</i> , 2003, 55, 165-171.	2.4	24
65	A Multi-Laboratory characterization of the KIR genotypes of 10th International Histocompatibility Workshop cell lines. <i>Human Immunology</i> , 2003, 64, 567-571.	2.4	24
66	Genetic determinism in the relationship between human CD4â€“+ and CD8â€“+ T lymphocyte populations?. <i>Genes and Immunity</i> , 2001, 2, 381-387.	4.1	23
67	Analysis of candidate genes on chromosome 19 in coeliac disease: an association study of the KIR and LILR gene clusters. <i>International Journal of Immunogenetics</i> , 2002, 29, 287-291.	1.2	23
68	Genetic diversity of CHC22 clathrin impacts its function in glucose metabolism. <i>ELife</i> , 2019, 8, .	6.0	22
69	Although Divergent in Residues of the Peptide Binding Site, Conserved Chimpanzee Patr-AL and Polymorphic Human HLA-A*02 Have Overlapping Peptide-Binding Repertoires. <i>Journal of Immunology</i> , 2011, 186, 1575-1588.	0.8	21
70	Hematopoietic stem cell transplantation: Improving alloreactive Bw4 donor selection by genotyping codon 86 of KIR3DL1/S1. <i>European Journal of Immunology</i> , 2016, 46, 1511-1517.	2.9	21
71	High-Resolution Characterization of KIR Genes in a Large North American Cohort Reveals Novel Details of Structural and Sequence Diversity. <i>Frontiers in Immunology</i> , 2021, 12, 674778.	4.8	21
72	Natural Killer Cells Offer Differential Protection From Leukemia in Chinese Southern Han. <i>Frontiers in Immunology</i> , 2019, 10, 1646.	4.8	20

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73	KIR3DL1/S1 Allotypes Contribute Differentially to the Development of Behçet Disease. <i>Journal of Immunology</i> , 2019, 203, 1629-1635.	0.8	20
74	Bonobos Maintain Immune System Diversity with Three Functional Types of MHC-B. <i>Journal of Immunology</i> , 2017, 198, 3480-3493.	0.8	19
75	The production of KIR-Fc fusion proteins and their use in a multiplex HLA class I binding assay. <i>Journal of Immunological Methods</i> , 2015, 425, 79-87.	1.4	18
76	Fluctuating and Geographically Specific Selection Characterize Rapid Evolution of the Human KIR Region. <i>Frontiers in Immunology</i> , 2019, 10, 989.	4.8	18
77	Killer Cell Immunoglobulin-like Receptor Variants Are Associated with Protection from Symptoms Associated with More Severe Course in Parkinson Disease. <i>Journal of Immunology</i> , 2020, 205, 1323-1330.	0.8	18
78	KIR Variation in Iranians Combines High Haplotype and Allotype Diversity With an Abundance of Functional Inhibitory Receptors. <i>Frontiers in Immunology</i> , 2020, 11, 556.	4.8	18
79	High-throughput Interpretation of Killer-cell Immunoglobulin-like Receptor Short-read Sequencing Data with PING. <i>PLoS Computational Biology</i> , 2021, 17, e1008904.	3.2	18
80	Adaptive Admixture of HLA Class I Allotypes Enhanced Genetically Determined Strength of Natural Killer Cells in East Asians. <i>Molecular Biology and Evolution</i> , 2021, 38, 2582-2596.	8.9	17
81	High-resolution HLA allele and haplotype frequencies in several unrelated populations determined by next generation sequencing: 17th International HLA and Immunogenetics Workshop joint report. <i>Human Immunology</i> , 2021, 82, 505-522.	2.4	17
82	Immunogenomics of Killer Cell Immunoglobulin-Like Receptor (KIR) and HLA Class I: Coevolution and Consequences for Human Health. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2022, 10, 1763-1775.	3.8	15
83	Two Orangutan Species Have Evolved Different <i>KIR</i> Alleles and Haplotypes. <i>Journal of Immunology</i> , 2017, 198, 3157-3169.	0.8	13
84	Human NK Cells Downregulate Zap70 and Syk in Response to Prolonged Activation or DNA Damage. <i>Journal of Immunology</i> , 2018, 200, 1146-1158.	0.8	13
85	Natural selection on marine carnivores elaborated a diverse family of classical MHC class I genes exhibiting haplotypic gene content variation and allelic polymorphism. <i>Immunogenetics</i> , 2012, 64, 915-933.	2.4	12
86	The combinatorial diversity of KIR and HLA class I allotypes in Peninsular Malaysia. <i>Immunology</i> , 2021, 162, 389-404.	4.4	12
87	A comparison of HLA-DR and -DQ allele and haplotype frequencies in Trinidadian populations of African, South Asian, and mixed ancestry. <i>Human Immunology</i> , 2002, 63, 1045-1054.	2.4	11
88	HLA class I variation in Iranian Lur and Kurd populations: high haplotype and allotype diversity with an abundance of KIR ligands. <i>Hla</i> , 2016, 88, 87-99.	0.6	11
89	Very long haplotype tracts characterized at high resolution from HLA homozygous cell lines. <i>Immunogenetics</i> , 2015, 67, 479-485.	2.4	9
90	Resurrecting KIR2DP1: A Key Intermediate in the Evolution of Human Inhibitory NK Cell Receptors That Recognize HLA-C. <i>Journal of Immunology</i> , 2017, 198, 1961-1973.	0.8	8

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91	Following Transplantation for Acute Myelogenous Leukemia, Donor <i>KIR Cen B02</i> Better Protects against Relapse than <i>KIR Cen B01</i> . <i>Journal of Immunology</i> , 2021, 206, 3064-3072.	0.8	8
92	Large-Scale Imputation of KIR Copy Number and HLA Alleles in North American and European Psoriasis Case-Control Cohorts Reveals Association of Inhibitory KIR2DL2 With Psoriasis. <i>Frontiers in Immunology</i> , 2021, 12, 684326.	4.8	7
93	Estimating HLA haplotype frequencies from homozygous individuals – A Technical Report. <i>International Journal of Immunogenetics</i> , 2021, 48, 490-495.	1.8	7
94	In vitro education of human natural killer cells by KIR3DL1. <i>Life Science Alliance</i> , 2019, 2, e201900434.	2.8	7
95	HLA Class I Binding of Mutant EGFR Peptides in NSCLC Is Associated With Improved Survival. <i>Journal of Thoracic Oncology</i> , 2021, 16, 104-112.	1.1	6
96	High-Resolution Analysis Identifies High Frequency of KIR-A Haplotypes and Inhibitory Interactions of KIR With HLA Class I in Zhejiang Han. <i>Frontiers in Immunology</i> , 2021, 12, 640334.	4.8	6
97	Host KIR/HLA-C Genotypes Determine HIV-Mediated Changes of the NK Cell Repertoire and Are Associated With Vpu Sequence Variations Impacting Downmodulation of HLA-C. <i>Frontiers in Immunology</i> , 0, 13, .	4.8	6
98	Cost-effective and fast <i>KIR</i> gene content genotyping by multiplex melting curve analysis. <i>Hla</i> , 2018, 92, 384-391.	0.6	5
99	Allele imputation for the killer cell immunoglobulin-like receptor KIR3DL1/S1. <i>PLoS Computational Biology</i> , 2022, 18, e1009059.	3.2	5
100	Analysis of Fc gamma receptor II (CD32) polymorphism in populations of African and South Asian ancestry reveals east-west geographic gradients of allele frequencies. <i>International Journal of Immunogenetics</i> , 2003, 30, 375-379.	1.2	3
101	Human herpesvirus diversity is altered in HLA class I binding peptides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2123248119.	7.1	3
102	Chimpanzee susceptibility to hepatitis C virus infection correlates with presence of Pt-KIR3DS2 and Pt-KIR2DL9: paired activating and inhibitory natural killer cell receptors. <i>Immunogenetics</i> , 2015, 67, 625-628.	2.4	1
103	Description of the novel <i>KIR2DL4</i> <i>*</i> <i>035</i> allele identified using high-throughput sequencing. <i>Hla</i> , 2016, 87, 191-193.	0.6	1
104	Should results of HLA haplotype frequency estimations be normalized?. <i>International Journal of Immunogenetics</i> , 2021, 48, 498-499.	1.8	1