David A Van Heel

List of Publications by Year in Descending Order

91 papers	11,384 citations	52 h-index	96 g-index
96 ext. papers	13,268 ext. citations	17.5 avg, IF	5.3 L-index

#	Paper	IF	Citations
91	Integrating polygenic risk scores in the prediction of type 2 diabetes risk and subtypes in British Pakistanis and Bangladeshis: A population-based cohort study.. *PLoS Medicine*, **2022**, 19, e1003981	11.6	1
90	The power of genetic diversity in genome-wide association studies of lipids. *Nature*, **2021**,	50.4	24
89	MC3R links nutritional state to childhood growth and the timing of puberty. *Nature*, **2021**, 599, 436-441	50.4	9
88	Fine-scale population structure and demographic history of British Pakistanis. *Nature Communications*, **2021**, 12, 7189	17.4	0
87	Evaluating drug targets through human loss-of-function genetic variation. *Nature*, **2020**, 581, 459-464	50.4	53
86	Characterising a healthy adult with a rare HAO1 knockout to support a therapeutic strategy for primary hyperoxaluria. *ELife*, **2020**, 9,	8.9	19
85	Cohort Profile: East London Genes & Health (ELGH), a community-based population genomics and health study in British Bangladeshi and British Pakistani people. *International Journal of Epidemiology*, **2020**, 49, 20-21i	7.8	19
84	A single nucleotide polymorphism genetic risk score to aid diagnosis of coeliac disease: a pilot study in clinical care. *Alimentary Pharmacology and Therapeutics*, **2020**, 52, 1165-1173	6.1	8
83	Trans-ethnic and Ancestry-Specific Blood-Cell Genetics in 746,667 Individuals from 5 Global Populations. *Cell*, **2020**, 182, 1198-1213.e14	56.2	88
82	Associations of autozygosity with a broad range of human phenotypes. *Nature Communications*, **2019**, 10, 4957	17.4	40
81	Identification of rare sequence variation underlying heritable pulmonary arterial hypertension. *Nature Communications*, **2018**, 9, 1416	17.4	182
80	Formalising recall by genotype as an efficient approach to detailed phenotyping and causal inference. *Nature Communications*, **2018**, 9, 711	17.4	35
79	Exome Sequencing and Rare Variant Analysis Reveals Multiple Filaggrin Mutations in Bangladeshi Families with Atopic Eczema and Additional Risk Genes. *Journal of Investigative Dermatology*, **2018**, 138, 2674-2677	4.3	19
78	Association Between Telomere Length and Risk of Cancer and Non-Neoplastic Diseases: A Mendelian Randomization Study. *JAMA Oncology*, **2017**, 3, 636-651	13.4	236
77	Estimating the human mutation rate from autozygous segments reveals population differences in human mutational processes. *Nature Communications*, **2017**, 8, 303	17.4	52
76	DNAJC21 Mutations Link a Cancer-Prone Bone Marrow Failure Syndrome to Corruption in 60S Ribosome Subunit Maturation. *American Journal of Human Genetics*, **2016**, 99, 115-24	11	55
75	Health and population effects of rare gene knockouts in adult humans with related parents. *Science* , **2016**, 352, 474-7	33.3	185

74	Investigating the Causal Relationship of C-Reactive Protein with 32 Complex Somatic and Psychiatric Outcomes: A Large-Scale Cross-Consortium Mendelian Randomization Study. *PLoS Medicine*, **2016**, 13, e1001976	11.6	100
73	Fine mapping in the MHC region accounts for 18% additional genetic risk for celiac disease. *Nature Genetics*, **2015**, 47, 577-8	36.3	99
72	Widespread non-additive and interaction effects within HLA loci modulate the risk of autoimmune diseases. *Nature Genetics*, **2015**, 47, 1085-90	36.3	112
71	Exome sequencing of 75 individuals from multiply affected coeliac families and large scale resequencing follow up. *PLoS ONE*, **2015**, 10, e0116845	3.7	8
70	HLA-DQA1-HLA-DRB1 variants confer susceptibility to pancreatitis induced by thiopurine immunosuppressants. *Nature Genetics*, **2014**, 46, 1131-4	36.3	130
69	Diagnosis and management of adult coeliac disease: guidelines from the British Society of Gastroenterology. *Gut*, **2014**, 63, 1210-28	19.2	660
68	Improving coeliac disease risk prediction by testing non-HLA variants additional to HLA variants. *Gut*, **2014**, 63, 415-22	19.2	92
67	Genetic insights into common pathways and complex relationships among immune-mediated diseases. *Nature Reviews Genetics*, **2013**, 14, 661-73	30.1	394
66	Negligible impact of rare autoimmune-locus coding-region variants on missing heritability. *Nature*, **2013**, 498, 232-5	50.4	156
65	Mutations in CSTA, encoding Cystatin A, underlie exfoliative ichthyosis and reveal a role for this protease inhibitor in cell-cell adhesion. *American Journal of Human Genetics*, **2011**, 89, 564-71	11	68
64	Inflammatory skin and bowel disease linked to ADAM17 deletion. *New England Journal of Medicine*, **2011**, 365, 1502-8	59.2	247
63	Dense genotyping identifies and localizes multiple common and rare variant association signals in celiac disease. *Nature Genetics*, **2011**, 43, 1193-201	36.3	535
62	Comparative methylomics reveals gene-body H3K36me3 in Drosophila predicts DNA methylation and CpG landscapes in other invertebrates. *Genome Research*, **2011**, 21, 1841-50	9.7	44
61	Pervasive sharing of genetic effects in autoimmune disease. *PLoS Genetics*, **2011**, 7, e1002254	6	413
60	Trans-eQTLs reveal that independent genetic variants associated with a complex phenotype converge on intermediate genes, with a major role for the HLA. *PLoS Genetics*, **2011**, 7, e1002197	6	261
59	A meta-analysis of genome-wide association scans identifies IL18RAP, PTPN2, TAGAP, and PUS10 as shared risk loci for Crohn's disease and celiac disease. *PLoS Genetics*, **2011**, 7, e1001283	6	142
58	Multiple common variants for celiac disease influencing immune gene expression. *Nature Genetics*, **2010**, 42, 295-302	36.3	727
57	Comprehensive, quantitative mapping of T cell epitopes in gluten in celiac disease. *Science Translational Medicine*, **2010**, 2, 41ra51	17.5	321

56	Evolutionary and functional analysis of celiac risk loci reveals SH2B3 as a protective factor against bacterial infection. *American Journal of Human Genetics*, **2010**, 86, 970-7	11	130
55	Common and different genetic background for rheumatoid arthritis and coeliac disease. *Human Molecular Genetics*, **2009**, 18, 4195-203	5.6	109
54	Recent advances in coeliac disease genetics. *Gut*, **2009**, 58, 473-6	19.2	19
53	Association study of the IL18RAP locus in three European populations with coeliac disease. *Human Molecular Genetics*, **2009**, 18, 1148-55	5.6	27
52	The genetics of chronic inflammatory diseases. *Human Molecular Genetics*, **2009**, 18, R101-6	5.6	40
51	Replication of celiac disease UK genome-wide association study results in a US population. *Human Molecular Genetics*, **2009**, 18, 4219-25	5.6	60
50	A genome-wide meta-analysis identifies 22 loci associated with eight hematological parameters in the HaemGen consortium. *Nature Genetics*, **2009**, 41, 1182-90	36.3	433
49	Genetics and pathogenesis of coeliac disease. *Seminars in Immunology*, **2009**, 21, 346-54	10.7	40
48	Analysis of HLA and non-HLA alleles can identify individuals at high risk for celiac disease. *Gastroenterology*, **2009**, 137, 834-40, 840.e1-3	13.3	103
47	Coeliac disease-associated risk variants in TNFAIP3 and REL implicate altered NF-kappaB signalling. *Gut*, **2009**, 58, 1078-83	19.2	147
46	Association study of IL2/IL21 and FcgRIIa: significant association with the IL2/IL21 region in Scandinavian coeliac disease families. *Genes and Immunity*, **2008**, 9, 364-7	4.4	30
45	Newly identified genetic risk variants for celiac disease related to the immune response. *Nature Genetics*, **2008**, 40, 395-402	36.3	524
44	Translational mini-review series on the immunogenetics of gut disease: immunogenetics of coeliac disease. *Clinical and Experimental Immunology*, **2008**, 153, 162-73	6.2	38
43	Shared and distinct genetic variants in type 1 diabetes and celiac disease. *New England Journal of Medicine*, **2008**, 359, 2767-77	59.2	546
42	Genetic analysis of innate immunity in Crohn's disease and ulcerative colitis identifies two susceptibility loci harboring CARD9 and IL18RAP. *American Journal of Human Genetics*, **2008**, 82, 1202-10	11	196
41	Effective detection of human leukocyte antigen risk alleles in celiac disease using tag single nucleotide polymorphisms. *PLoS ONE*, **2008**, 3, e2270	3.7	113
40	Detection, imputation, and association analysis of small deletions and null alleles on oligonucleotide arrays. *American Journal of Human Genetics*, **2008**, 82, 1316-33	11	32
39	Associations with tight junction genes PARD3 and MAGI2 in Dutch patients point to a common barrier defect for coeliac disease and ulcerative colitis. *Gut*, **2008**, 57, 463-7	19.2	119

38	NOD2 activity modulates the phenotype of LPS-stimulated dendritic cells to promote the development of T-helper type 2-like lymphocytes - Possible implications for NOD2-associated Crohn's disease. *Journal of Crohn's and Colitis*, **2007**, 1, 106-15	1.5	14
37	A genome-wide association study for celiac disease identifies risk variants in the region harboring IL2 and IL21. *Nature Genetics*, **2007**, 39, 827-9	36.3	518
36	Selective NOD1 agonists cause shock and organ injury/dysfunction in vivo. *American Journal of Respiratory and Critical Care Medicine*, **2007**, 175, 595-603	10.2	49
35	A structural and immunological basis for the role of human leukocyte antigen DQ8 in celiac disease. *Immunity*, **2007**, 27, 23-34	32.3	128
34	Novel association in chromosome 4q27 region with rheumatoid arthritis and confirmation of type 1 diabetes point to a general risk locus for autoimmune diseases. *American Journal of Human Genetics* , **2007**, 81, 1284-8	11	171
33	Human pancreatic secretory trypsin inhibitor stabilizes intestinal mucosa against noxious agents. *American Journal of Pathology*, **2007**, 171, 1462-73	5.8	11
32	Modulation of dendritic cell phenotype and function in an in vitro model of the intestinal epithelium. *European Journal of Immunology*, **2006**, 36, 864-74	6.1	67
31	Normal responses to specific NOD1-activating peptidoglycan agonists in the presence of the NOD2 frameshift and other mutations in Crohn's disease. *European Journal of Immunology*, **2006**, 36, 1629-35	6.1	12
30	Interleukin 15: its role in intestinal inflammation. *Gut*, **2006**, 55, 444-5	19.2	29
29	Antagonists and non-toxic variants of the dominant wheat gliadin T cell epitope in coeliac disease. *Gut*, **2006**, 55, 485-91	19.2	49
28	Lack of association of MYO9B genetic variants with coeliac disease in a British cohort. *Gut*, **2006**, 55, 969-72	19.2	49
27	Recent advances in coeliac disease. *Gut*, **2006**, 55, 1037-46	19.2	210
26	Detection of muramyl dipeptide-sensing pathway defects in patients with Crohn's disease. *Inflammatory Bowel Diseases*, **2006**, 12, 598-605	4.5	19
25	Calcium channel TRPV6 expression in human duodenum: different relationships to the vitamin D system and aging in men and women. *Journal of Bone and Mineral Research*, **2006**, 21, 1770-7	6.3	45
24	Muramyl dipeptide and toll-like receptor sensitivity in NOD2-associated Crohn's disease. *Lancet, The*, **2005**, 365, 1794-6	40	264
23	A common CTLA4 haplotype associated with coeliac disease. *European Journal of Human Genetics*, **2005**, 13, 440-4	5.3	65
22	Synergistic enhancement of Toll-like receptor responses by NOD1 activation. *European Journal of Immunology*, **2005**, 35, 2471-6	6.1	127
21	Genetics in coeliac disease. *Bailliere's Best Practice and Research in Clinical Gastroenterology*, **2005**, 19, 323-39	2.5	78

20	Association between a complex insertion/deletion polymorphism in NOD1 (CARD4) and susceptibility to inflammatory bowel disease. *Human Molecular Genetics*, **2005**, 14, 1245-50	5.6	260
19	T cells in peripheral blood after gluten challenge in coeliac disease. *Gut*, **2005**, 54, 1217-23	19.2	101
18	Synergy between TLR9 and NOD2 innate immune responses is lost in genetic Crohn's disease. *Gut*, **2005**, 54, 1553-7	19.2	92
17	Inflammatory bowel disease susceptibility loci defined by genome scan meta-analysis of 1952 affected relative pairs. *Human Molecular Genetics*, **2004**, 13, 763-70	5.6	198
16	The IBD6 Crohn's disease locus demonstrates complex interactions with CARD15 and IBD5 disease-associated variants. *Human Molecular Genetics*, **2003**, 12, 2569-75	5.6	44
15	Further evidence of IBD5/CARD15 (NOD2) epistasis in the susceptibility to ulcerative colitis. *American Journal of Human Genetics*, **2003**, 73, 1465-6	11	53
14	Analysis of the IBD5 locus and potential gene-gene interactions in Crohn's disease. *Gut*, **2003**, 52, 541-6	19.2	85
13	Detecting the risks of osteoporotic fractures in coeliac disease. *Gut*, **2003**, 52, 1229-30	19.2	5
12	Association of TNF-alpha-857C with inflammatory bowel disease in the Australian population. *Scandinavian Journal of Gastroenterology*, **2003**, 38, 533-4	2.4	8
11	Inflammatory bowel disease is associated with a TNF polymorphism that affects an interaction between the OCT1 and NF(-kappa)B transcription factors. *Human Molecular Genetics*, **2002**, 11, 1281-9	5.6	214
10	Identification of novel polymorphisms in the beta7 integrin gene: family-based association studies in inflammatory bowel disease. *Genes and Immunity*, **2001**, 2, 455-60	4.4	16
9	NOD2 (CARD15), the first susceptibility gene for Crohn's disease. *Gut*, **2001**, 49, 752-4	19.2	53
8	Crohn's disease: genetic susceptibility, bacteria, and innate immunity. *Lancet, The*, **2001**, 357, 1902-4	40	55
7	Colonoscopic appearances and diagnosis of intussusception due to large-bowel lipoma. *Endoscopy*, **1999**, 31, 508	3.4	3
6	A direct multi-generational estimate of the human mutation rate from autozygous segments seen in thousands of parentally related individuals		11
5	Fine-scale population structure and demographic history of British Pakistanis		1
4	Cohort Profile: East London Genes & Health (ELGH), a community based population genomics and health study of British-Bangladeshi and British-Pakistani people		6
3	Deep phenotyping of a healthy human HAO1 knockout informs therapeutic development for primary hyperoxaluria type 1		5

List of Publications

2	Evaluating potential drug targets through human loss-of-function genetic variation	12
1	Transferability of genetic loci and polygenic scores for cardiometabolic traits in British Pakistanis and Bangladeshis	3