Andre Franke

List of Publications by Year in Descending Order

569 papers	52,508 citations	110 h-index	219 g-index
642 ext. papers	66,404 ext. citations	11.7 avg, IF	6.63 L-index

#	Paper	IF	Citations
569	Occasional paternal inheritance of the germline-restricted chromosome in songbirds.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119,	11.5	3
568	Cross-tissue transcriptome-wide association studies identify susceptibility genes shared between schizophrenia and inflammatory bowel disease.. *Communications Biology*, **2022**, 5, 80	6.7	1
567	Linkage analysis identifies novel genetic modifiers of microbiome traits in families with inflammatory bowel disease.. *Gut Microbes*, **2022**, 14, 2024415	8.8	0
566	Circulating microbiome in patients with portal hypertension.. *Gut Microbes*, **2022**, 14, 2029674	8.8	1
565	Transethnic analysis of psoriasis susceptibility in South Asians and Europeans enhances fine-mapping in the MHC and genomewide.. *Human Genetics and Genomics Advances*, **2022**, 3, 100069-100069	8.8	0
564	miRNome Profiling and Functional Analysis Reveal Involvement of hsa-miR-1246 in Colon Adenoma-Carcinoma Transition by Targeting and .. *International Journal of Molecular Sciences*, **2022**, 23,	6.3	1
563	SARS-CoV-2 Nsp13 encodes for an HLA-E-stabilizing peptide that abrogates inhibition of NKG2A-expressing NK cells.. *Cell Reports*, **2022**, 110503	10.6	2
562	B-cell-depletion reverses dysbiosis of the microbiome in multiple sclerosis patients.. *Scientific Reports*, **2022**, 12, 3728	4.9	0
561	Local genetic variation of inflammatory bowel disease in Basque population and its effect in risk prediction.. *Scientific Reports*, **2022**, 12, 3386	4.9	0
560	Genome-Wide Association Study of Alzheimer's Disease Brain Imaging Biomarkers and Neuropsychological Phenotypes in the European Medical Information Framework for Alzheimer's Disease Multimodal Biomarker Discovery Dataset.. *Frontiers in Aging Neuroscience*, **2022**, 14, 840651	5.3	0
559	A metabolic axis in obesity and type 2 diabetes.. *Gut Microbes*, **2022**, 14, 2057778	8.8	2
558	Genetic Associations and Differential mRNA Expression Levels of Host Genes Suggest a Viral Trigger for Endemic Pemphigus Foliaceus. *Viruses*, **2022**, 14, 879	6.2	1
557	Dysbiosis in the Gut Microbiota in Patients with Inflammatory Bowel Disease during Remission.. *Microbiology Spectrum*, **2022**, e0061622	8.9	2
556	Differential Effects of Obesity, Hyperlipidaemia, Dietary Intake and Physical Inactivity on Type I Versus Type IV Allergies. *Nutrients*, **2022**, 14, 2351	6.7	
555	Differential and shared genetic effects on kidney function between diabetic and non-diabetic individuals. *Communications Biology*, **2022**, 5,	6.7	1
554	The power of genetic diversity in genome-wide association studies of lipids. *Nature*, **2021**,	50.4	24
553	Common and rare variant association analyses in amyotrophic lateral sclerosis identify 15 risk loci with distinct genetic architectures and neuron-specific biology. *Nature Genetics*, **2021**, 53, 1636-1648	36.3	19

552	Anti-glycoprotein 2 (anti-GP2) IgA and anti-neutrophil cytoplasmic antibodies to serine proteinase 3 (PR3-ANCA): antibodies to predict severe disease, poor survival and cholangiocarcinoma in primary sclerosing cholangitis. *Alimentary Pharmacology and Therapeutics*, **2021**, 53, 302-313	6.1	5
551	Genome-wide analysis of 53,400 people with irritable bowel syndrome highlights shared genetic pathways with mood and anxiety disorders. *Nature Genetics*, **2021**, 53, 1543-1552	36.3	11
550	Epigenetic adaptations of the masticatory mucosa to periodontal inflammation. *Clinical Epigenetics*, **2021**, 13, 203	7.7	0
549	Deficiency in X-linked inhibitor of apoptosis protein promotes susceptibility to microbial triggers of intestinal inflammation. *Science Immunology*, **2021**, 6, eabf7473	28	2
548	Using common genetic variants to find drugs for common epilepsies.. *Brain Communications*, **2021**, 3, fcab287	4.5	0
547	A Multi-Factorial Observational Study on Sequential Fecal Microbiota Transplant in Patients with Medically Refractory Infection. *Cells*, **2021**, 10,	7.9	2
546	Methotrexate Treatment of Newly Diagnosed RA Patients Is Associated With DNA Methylation Differences at Genes Relevant for Disease Pathogenesis and Pharmacological Action. *Frontiers in Immunology*, **2021**, 12, 713611	8.4	1
545	Validity and Prognostic Value of a Polygenic Risk Score for Parkinson's Disease.. *Genes*, **2021**, 12,	4.2	4
544	Rare variant analysis in eczema identifies exonic variants in DUSP1, NOTCH4 and SLC9A4. *Nature Communications*, **2021**, 12, 6618	17.4	2
543	MEDTEC Students against Coronavirus: Investigating the Role of Hemostatic Genes in the Predisposition to COVID-19 Severity. *Journal of Personalized Medicine*, **2021**, 11,	3.6	1
542	Reporting guidelines for human microbiome research: the STORMS checklist. *Nature Medicine*, **2021**, 27, 1885-1892	50.5	19
541	Targeting the cytoplasmic polyadenylation element-binding protein CPEB4 protects against diet-induced obesity and microbiome dysbiosis. *Molecular Metabolism*, **2021**, 54, 101388	8.8	2
540	Liquid Biopsy in Gastric Cancer: Analysis of Somatic Cancer Tissue Mutations in Plasma Cell-Free DNA for Predicting Disease State and Patient Survival. *Clinical and Translational Gastroenterology*, **2021**, 12, e00403	4.2	1
539	Artificial intelligence enables comprehensive genome interpretation and nomination of candidate diagnoses for rare genetic diseases. *Genome Medicine*, **2021**, 13, 153	14.4	4
538	Adult sucrase-isomaltase deficiency masquerading as IBS. *Gut*, **2021**,	19.2	0
537	Ecology impacts the decrease of Spirochaetes and Prevotella in the fecal gut microbiota of urban humans. *BMC Microbiology*, **2021**, 21, 276	4.5	1
536	Carrying asymptomatic gallstones is not associated with changes in intestinal microbiota composition and diversity but cholecystectomy with significant dysbiosis. *Scientific Reports*, **2021**, 11, 6677	4.9	4
535	Intestinal protozoan infections shape fecal bacterial microbiota in children from Guinea-Bissau. *PLoS Neglected Tropical Diseases*, **2021**, 15, e0009232	4.8	2

534	Age-dependent impact of the major common genetic risk factor for COVID-19 on severity and mortality **2021**,		5
533	Altered Gut Microbial Metabolism of Essential Nutrients in Primary Sclerosing Cholangitis. *Gastroenterology*, **2021**, 160, 1784-1798.e0	13.3	17
532	Primate phageomes are structured by superhost phylogeny and environment. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	6
531	Genome-wide analysis of 944 133 individuals provides insights into the etiology of haemorrhoidal disease. *Gut*, **2021**,	19.2	2
530	Identification of two novel bullous pemphigoid- associated alleles, HLA-DQA1*05:05 and -DRB1*07:01, in Germans. *Orphanet Journal of Rare Diseases*, **2021**, 16, 228	4.2	3
529	Mass burial genomics reveals outbreak of enteric paratyphoid fever in the Late Medieval trade city Lübeck. *IScience*, **2021**, 24, 102419	6.1	3
528	Effect of various weight loss interventions on serum NT-proBNP concentration in severe obese subjects without clinical manifest heart failure. *Scientific Reports*, **2021**, 11, 10096	4.9	
527	TMEM106B and CPOX are genetic determinants of cerebrospinal fluid Alzheimer's disease biomarker levels. *Alzheimer's and Dementia*, **2021**, 17, 1628-1640	1.2	4
526	Identifying genetic modifiers of age-associated penetrance in X-linked dystonia-parkinsonism. *Nature Communications*, **2021**, 12, 3216	17.4	6
525	Unsuspected Associations of Variants within the Genes NOTCH4 and STEAP2-AS1 Uncovered by a GWAS in Endemic Pemphigus Foliaceus. *Journal of Investigative Dermatology*, **2021**, 141, 2741-2744	4.3	2
524	Short-term physical exercise impacts on the human holobiont obtained by a randomised intervention study. *BMC Microbiology*, **2021**, 21, 162	4.5	6
523	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. *Frontiers in Immunology*, **2021**, 12, 684326	8.4	1
522	A 5,000-year-old hunter-gatherer already plagued by Yersinia pestis. *Cell Reports*, **2021**, 35, 109278	10.6	15
521	Association Between Collagenous and Lymphocytic Colitis and Risk of Severe Coronavirus Disease 2019. *Gastroenterology*, **2021**, 160, 2585-2587.e3	13.3	0
520	The alternative serotonin transporter promoter P2 impacts gene function in females with irritable bowel syndrome. *Journal of Cellular and Molecular Medicine*, **2021**, 25, 8047-8061	5.6	1
519	MRI-Based Iron Phenotyping and Patient Selection for Next-Generation Sequencing of Non-Homeostatic Iron Regulator Hemochromatosis Genes. *Hepatology*, **2021**, 74, 2424-2435	11.2	2
518	SETDB1 is required for intestinal epithelial differentiation and the prevention of intestinal inflammation. *Gut*, **2021**, 70, 485-498	19.2	11
517	Long-term instability of the intestinal microbiome is associated with metabolic liver disease, low microbiota diversity, diabetes mellitus and impaired exocrine pancreatic function. *Gut*, **2021**, 70, 522-530	19.2	26

516	Role of prothrombin 19911 A>G polymorphism, blood group and male gender in patients with venous thromboembolism: Results of a German cohort study. *Journal of Thrombosis and Thrombolysis*, **2021**, 51, 494-501	5.1	2
515	Circulating sDPP-4 is Increased in Obesity and Insulin Resistance but Is Not Related to Systemic Metabolic Inflammation. *Journal of Clinical Endocrinology and Metabolism*, **2021**, 106, e592-e601	5.6	7
514	Shared Genetics of Multiple System Atrophy and Inflammatory Bowel Disease. *Movement Disorders*, **2021**, 36, 449-459	7	2
513	Population connectivity of fan-shaped sponge holobionts in the deep Cantabrian Sea. *Deep-Sea Research Part I: Oceanographic Research Papers*, **2021**, 167, 103427	2.5	3
512	Meta-analysis uncovers genome-wide significant variants for rapid kidney function decline. *Kidney International*, **2021**, 99, 926-939	9.9	6
511	Genetic variability of immune-related lncRNAs: polymorphisms in LINC-PINT and LY86-AS1 are associated with pemphigus foliaceus susceptibility. *Experimental Dermatology*, **2021**, 30, 831-840	4	4
510	Longitudinal high-throughput TCR repertoire profiling reveals the dynamics of T-cell memory formation after mild COVID-19 infection. *ELife*, **2021**, 10,	8.9	44
509	Genome-wide study of a Neolithic Wartberg grave community reveals distinct HLA variation and hunter-gatherer ancestry. *Communications Biology*, **2021**, 4, 113	6.7	5
508	Exome-Wide Association Study Identifies FN3KRP and PGP as New Candidate Longevity Genes. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2021**, 76, 786-795	6.4	4
507	Large-scale association analyses identify host factors influencing human gut microbiome composition. *Nature Genetics*, **2021**, 53, 156-165	36.3	80
506	Clinical correlates of anti-SARS-CoV-2 antibody profiles in Spanish COVID-19 patients from a high incidence region. *Scientific Reports*, **2021**, 11, 4363	4.9	4
505	Single- and Multimarker Genome-Wide Scans Evidence Novel Genetic Risk Modifiers for Venous Thromboembolism. *Thrombosis and Haemostasis*, **2021**, 121, 1169-1180	7	3
504	Human β-Defensin 2 Mutations Are Associated With Asthma and Atopy in Children and Its Application Prevents Atopic Asthma in a Mouse Model. *Frontiers in Immunology*, **2021**, 12, 636061	8.4	7
503	A heterozygous germline CD100 mutation in a family with primary sclerosing cholangitis. *Science Translational Medicine*, **2021**, 13,	17.5	1
502	Transethnic analysis of the human leukocyte antigen region for ulcerative colitis reveals not only shared but also ethnicity-specific disease associations. *Human Molecular Genetics*, **2021**, 30, 356-369	5.6	4
501	A survey of functional dyspepsia in 361,360 individuals: Phenotypic and genetic cross-disease analyses. *Neurogastroenterology and Motility*, **2021**, e14236	4	0
500	Single-cell atlas of hepatic T cells reveals expansion of liver-resident naive-like CD4 T cells in primary sclerosing cholangitis. *Journal of Hepatology*, **2021**, 75, 414-423	13.4	5
499	Immunopeptidomics toolkit library (IPTK): a python-based modular toolbox for analyzing immunopeptidomics data. *BMC Bioinformatics*, **2021**, 22, 405	3.6	0

498	Sex-specific genetic factors affect the risk of early-onset periodontitis in Europeans. *Journal of Clinical Periodontology*, **2021**, 48, 1404-1413	7.7	1
497	Genome-wide Association Study Identifies 2 New Loci Associated With Anti-NMDAR Encephalitis. *Neurology: Neuroimmunology and NeuroInflammation*, **2021**, 8,	9.1	3
496	Genetic association and differential expression of HLAComplexGroup lncRNAs in pemphigus. *Journal of Autoimmunity*, **2021**, 123, 102705	15.5	2
495	Rare genetic coding variants associated with human longevity and protection against age-related diseases. *Nature Aging*, **2021**, 1, 783-794		4
494	Analysis of SARS-CoV-2 reverse transcription-quantitative polymerase chain reaction cycle threshold values vis-□vis anti-SARS-CoV-2 antibodies from a high incidence region. *International Journal of Infectious Diseases*, **2021**, 110, 114-122	10.5	0
493	Microbial Diversity and Abundance of Mediate the Associations Between Higher Intake of Flavonoid-Rich Foods and Lower Blood Pressure. *Hypertension*, **2021**, 78, 1016-1026	8.5	3
492	Age-dependent impact of the major common genetic risk factor for COVID-19 on severity and mortality. *Journal of Clinical Investigation*, **2021**, 131,	15.9	15
491	Genome-wide association study in 8,956 German individuals identifies influence of ABO histo-blood groups on gut microbiome. *Nature Genetics*, **2021**, 53, 147-155	36.3	19
490	Interplay between Genome, Metabolome and Microbiome in Colorectal Cancer.. *Cancers*, **2021**, 13,	6.6	4
489	GWAS of stool frequency provides insights into gastrointestinal motility and irritable bowel syndrome.. *Cell Genomics*, **2021**, 1, None		2
488	Targeted analysis of polymorphic loci from low-coverage shotgun sequence data allows accurate genotyping of HLA genes in historical human populations. *Scientific Reports*, **2020**, 10, 7339	4.9	3
487	Exome sequencing in 38 patients with intracranial aneurysms and subarachnoid hemorrhage. *Journal of Neurology*, **2020**, 267, 2533-2545	5.5	4
486	RE: Oral Leukoplakia and Risk of Progression to Oral Cancer: A Population-Based Cohort Study. *Journal of the National Cancer Institute*, **2020**, 112, 968-969	9.7	1
485	A disease-specific decline of the relative abundance of Bifidobacterium in patients with autoimmune hepatitis. *Alimentary Pharmacology and Therapeutics*, **2020**, 51, 1417-1428	6.1	20
484	The mutational constraint spectrum quantified from variation in 141,456 humans. *Nature*, **2020**, 581, 434-443	50.4	2278
483	Genome-wide associations of human gut microbiome variation and implications for causal inference analyses. *Nature Microbiology*, **2020**, 5, 1079-1087	26.6	55
482	Amino acid encoding for deep learning applications. *BMC Bioinformatics*, **2020**, 21, 235	3.6	18
481	Genomewide Association Study of Severe Covid-19 with Respiratory Failure. *New England Journal of Medicine*, **2020**, 383, 1522-1534	59.2	913

480	IL-22 Paucity in APECED Is Associated With Mucosal and Microbial Alterations in Oral Cavity. *Frontiers in Immunology*, **2020**, 11, 838	8.4	11
479	Translation of mouse model to human gives insights into periodontitis etiology. *Scientific Reports*, **2020**, 10, 4892	4.9	7
478	Sugar-Induced Obesity and Insulin Resistance Are Uncoupled from Shortened Survival in Drosophila. *Cell Metabolism*, **2020**, 31, 710-725.e7	24.6	25
477	DNA methylation QTL analysis identifies new regulators of human longevity. *Human Molecular Genetics*, **2020**, 29, 1154-1167	5.6	9
476	Arrhythmic Gut Microbiome Signatures Predict Risk of Type 2 Diabetes. *Cell Host and Microbe*, **2020**, 28, 258-272.e6	23.4	68
475	Motor, cognitive and mobility deficits in 1000 geriatric patients: protocol of a quantitative observational study before and after routine clinical geriatric treatment - the ComOn-study. *BMC Geriatrics*, **2020**, 20, 45	4.1	7
474	Rheumatoid Arthritis Patients, Both Newly Diagnosed and Methotrexate Treated, Show More DNA Methylation Differences in CD4 Memory Than in CD4 Naïve T Cells. *Frontiers in Immunology*, **2020**, 11, 194	8.4	8
473	Quantitative comparison of within-sample heterogeneity scores for DNA methylation data. *Nucleic Acids Research*, **2020**, 48, e46	20.1	14
472	A cross-disease meta-GWAS identifies four new susceptibility loci shared between systemic sclerosis and Crohn's disease. *Scientific Reports*, **2020**, 10, 1862	4.9	11
471	In Silico Guided Discovery of Novel Class I and II Epitopes Recognized by T Cells from Chagas' Disease Patients. *Journal of Immunology*, **2020**, 204, 1571-1581	5.3	2
470	Depletion of erythropoietic miR-486-5p and miR-451a improves detectability of rare microRNAs in peripheral blood-derived small RNA sequencing libraries. *NAR Genomics and Bioinformatics*, **2020**, 2, lqaa008	3.7	7
469	Monocytes as potential mediators of pathogen-induced Th17 differentiation in patients with primary sclerosing cholangitis (PSC). *Hepatology*, **2020**, 72, 1310	11.2	15
468	Gut mycobiome of primary sclerosing cholangitis patients is characterised by an increase of and species. *Gut*, **2020**, 69, 1890-1892	19.2	6
467	Rare Variants in Specific Lysosomal Genes Are Associated With Parkinson's Disease. *Movement Disorders*, **2020**, 35, 1245-1248	7	23
466	A benchmark of hemoglobin blocking during library preparation for mRNA-Sequencing of human blood samples. *Scientific Reports*, **2020**, 10, 5630	4.9	1
465	Molecular Subtypes with Distinct Clinical Phenotypes and Actionable Targets in Adult B Cell Precursor ALL Treatment According to GMALL Protocols. *Blood*, **2020**, 136, 11-12	2.2	0
464	The Gut Microbiome in Patients With Chronic Pancreatitis Is Characterized by Significant Dysbiosis and Overgrowth by Opportunistic Pathogens. *Clinical and Translational Gastroenterology*, **2020**, 11, e00232	4.2	13
463	On giant shoulders: how a seamount affects the microbial community composition of seawater and sponges. *Biogeosciences*, **2020**, 17, 3471-3486	4.6	9

462	Primary and secondary anti-viral response captured by the dynamics and phenotype of individual T cell clones. *ELife*, **2020**, 9,	8.9	25
461	Author response: Longitudinal high-throughput TCR repertoire profiling reveals the dynamics of T-cell memory formation after mild COVID-19 infection **2020**,		2
460	Private variants in PRKN are associated with late-onset Parkinson's disease. *Parkinsonism and Related Disorders*, **2020**, 75, 24-26	3.6	2
459	Protein-coding variants contribute to the risk of atopic dermatitis and skin-specific gene expression. *Journal of Allergy and Clinical Immunology*, **2020**, 145, 1208-1218	11.5	19
458	Identification of Disease-associated Traits and Clonotypes in the T Cell Receptor Repertoire of Monozygotic Twins Affected by Inflammatory Bowel Diseases. *Journal of Crohn's and Colitis*, **2020**, 14, 778-790	1.5	5
457	Genomic Characterization of Cholangiocarcinoma in Primary Sclerosing Cholangitis Reveals Therapeutic Opportunities. *Hepatology*, **2020**, 72, 1253-1266	11.2	15
456	Rapid response of stage IV colorectal cancer with APC/TP53/KRAS mutations to FOLFIRI and Bevacizumab combination chemotherapy: a case report of use of liquid biopsy. *BMC Medical Genetics*, **2020**, 21, 3	2.1	4
455	The role of the gut microbiome in the association between habitual anthocyanin intake and visceral abdominal fat in population-level analysis. *American Journal of Clinical Nutrition*, **2020**, 111, 340-350	7	10
454	Chloroflexi Dominate the Deep-Sea Golf Ball Sponges Craniella zetlandica and Craniella infrequens Throughout Different Life Stages. *Frontiers in Marine Science*, **2020**, 7,	4.5	8
453	Elucidating the Influence of Chromosomal Architecture on Transcriptional Regulation in Prokaryotes - Observing Strong Local Effects of Nucleoid Structure on Gene Regulation. *Frontiers in Microbiology*, **2020**, 11, 2002	5.7	3
452	Genetic risk for Alzheimer disease predicts hippocampal volume through the human lifespan. *Neurology: Genetics*, **2020**, 6, e506	3.8	10
451	Circulating levels of soluble Dipeptidylpeptidase-4 are reduced in human subjects hospitalized for severe COVID-19 infections. *International Journal of Obesity*, **2020**, 44, 2335-2338	5.5	21
450	Two Prevalent ~100-kb Deletions Causative of the GPB-Deficient Blood Group MNS Phenotype S-s-U- in Black Africans. *Transfusion Medicine and Hemotherapy*, **2020**, 47, 326-336	4.2	4
449	Comparative Studies of the Gut Microbiota in the Offspring of Mothers With and Without Gestational Diabetes. *Frontiers in Cellular and Infection Microbiology*, **2020**, 10, 536282	5.9	4
448	Genome-wide association study of Alzheimer's disease CSF biomarkers in the EMIF-AD Multimodal Biomarker Discovery dataset. *Translational Psychiatry*, **2020**, 10, 403	8.6	10
447	Longitudinal Multi-omics Analyses Identify Responses of Megakaryocytes, Erythroid Cells, and Plasmablasts as Hallmarks of Severe COVID-19. *Immunity*, **2020**, 53, 1296-1314.e9	32.3	109
446	Low-Avidity CD4 T Cell Responses to SARS-CoV-2 in Unexposed Individuals and Humans with Severe COVID-19. *Immunity*, **2020**, 53, 1258-1271.e5	32.3	119
445	Dense sampling of bird diversity increases power of comparative genomics. *Nature*, **2020**, 587, 252-257	50.4	89

444	Unbiased Characterization of Peptide-HLA Class II Interactions Based on Large-Scale Peptide Microarrays; Assessment of the Impact on HLA Class II Ligand and Epitope Prediction. *Frontiers in Immunology*, **2020**, 11, 1705	8.4	1
443	Concentration and chemical form of dietary zinc shape the porcine colon microbiome, its functional capacity and antibiotic resistance gene repertoire. *ISME Journal*, **2020**, 14, 2783-2793	11.9	15
442	The Impact of Oral Sodium Chloride Supplementation on Thrive and the Intestinal Microbiome in Neonates With Small Bowel Ostomies: A Prospective Cohort Study. *Frontiers in Immunology*, **2020**, 11, 1421	8.4	5
441	Autoantibody-negative insulin-dependent diabetes mellitus after SARS-CoV-2 infection: a case report. *Nature Metabolism*, **2020**, 2, 1021-1024	14.6	86
440	Dickkopf-1 Overexpression in vitro Nominates Candidate Blood Biomarkers Relating to Alzheimer's Disease Pathology. *Journal of Alzheimer's Disease*, **2020**, 77, 1353-1368	4.3	4
439	Genetic risk factors predict disease progression in Crohn's disease patients of the Swiss inflammatory bowel disease cohort. *Therapeutic Advances in Gastroenterology*, **2020**, 13, 1756284820959252	4.7	4
438	First known case of paediatric inflammatory bowel disease in a western lowland gorilla may be linked to a familial mutation in the gene. *Gut*, **2020**, 69, 1153-1154	19.2	1
437	Genetic background of high blood pressure is associated with reduced mortality in premature neonates. *Archives of Disease in Childhood: Fetal and Neonatal Edition*, **2020**, 105, 184-189	4.7	5
436	Genetic Variation in HSD17B13 Reduces the Risk of Developing Cirrhosis and Hepatocellular Carcinoma in Alcohol Misusers. *Hepatology*, **2020**, 72, 88-102	11.2	46
435	Alterations of the bile microbiome in primary sclerosing cholangitis. *Gut*, **2020**, 69, 665-672	19.2	41
434	Copy number variants in lipid metabolism genes are associated with gallstones disease in men. *European Journal of Human Genetics*, **2020**, 28, 264-273	5.3	2
433	A fungal pathogen induces systemic susceptibility and systemic shifts in wheat metabolome and microbiome composition. *Nature Communications*, **2020**, 11, 1910	17.4	35
432	Current Developments of Clinical Sequencing and the Clinical Utility of Polygenic Risk Scores in Inflammatory Diseases. *Frontiers in Immunology*, **2020**, 11, 577677	8.4	0
431	Host-Microbe-Drug-Nutrient Screen Identifies Bacterial Effectors of Metformin Therapy. *Cell*, **2019**, 178, 1299-1312.e29	56.2	109
430	Automated real-time monitoring of human pluripotent stem cell aggregation in stirred tank reactors. *Scientific Reports*, **2019**, 9, 12297	4.9	16
429	Discovery and validation of plasma proteomic biomarkers relating to brain amyloid burden by SOMAscan assay. *Alzheimer's and Dementia*, **2019**, 15, 1478-1488	1.2	22
428	Genome-wide association meta-analyses and fine-mapping elucidate pathways influencing albuminuria. *Nature Communications*, **2019**, 10, 4130	17.4	43
427	Comparative analysis of amplicon and metagenomic sequencing methods reveals key features in the evolution of animal metaorganisms. *Microbiome*, **2019**, 7, 133	16.6	73

426	Identifying Crohn's disease signal from variome analysis. *Genome Medicine*, **2019**, 11, 59	14.4	7
425	Metabolic Functions of Gut Microbes Associate With Efficacy of Tumor Necrosis Factor Antagonists in Patients With Inflammatory Bowel Diseases. *Gastroenterology*, **2019**, 157, 1279-1292.e11	13.3	101
424	Genome-wide association analysis of diverticular disease points towards neuromuscular, connective tissue and epithelial pathomechanisms. *Gut*, **2019**, 68, 854-865	19.2	39
423	Variants in ABCG8 and TRAF3 genes confer risk for gallstone disease in admixed Latinos with Mapuche Native American ancestry. *Scientific Reports*, **2019**, 9, 772	4.9	16
422	Genome-wide association study of myocardial infarction, atrial fibrillation, acute stroke, acute kidney injury and delirium after cardiac surgery - a sub-analysis of the RIPHeart-Study. *BMC Cardiovascular Disorders*, **2019**, 19, 26	2.3	10
421	Missense variants in NOX1 and p22phox in a case of very-early-onset inflammatory bowel disease are functionally linked to NOD2. *Journal of Physical Education and Sports Management*, **2019**, 5,	2.8	11
420	Liver infiltrating T cells regulate bile acid metabolism in experimental cholangitis. *Journal of Hepatology*, **2019**, 71, 783-792	13.4	18
419	A catalog of genetic loci associated with kidney function from analyses of a million individuals. *Nature Genetics*, **2019**, 51, 957-972	36.3	217
418	Linking pre-existing biorepositories for medical research: the PopGen 2.0 Network. *Journal of Community Genetics*, **2019**, 10, 523-530	2.5	4
417	Genetic mechanism underlying sexual plasticity and its association with colour patterning in zebrafish (Danio rerio). *BMC Genomics*, **2019**, 20, 341	4.5	7
416	VarWatch-A stand-alone software tool for variant matching. *PLoS ONE*, **2019**, 14, e0215618	3.7	
415	Integrating Culture-based Antibiotic Resistance Profiles with Whole-genome Sequencing Data for 11,087 Clinical Isolates. *Genomics, Proteomics and Bioinformatics*, **2019**, 17, 169-182	6.5	6
414	Genome-wide survey of copy number variants finds MAPT duplications in progressive supranuclear palsy. *Movement Disorders*, **2019**, 34, 1049-1059	7	15
413	No association between Parkinson disease and autoantibodies against NMDA-type glutamate receptors. *Translational Neurodegeneration*, **2019**, 8, 11	10.3	8
412	Validated Reference Panel from Renewable Source of Genomic DNA Available for Standardization of Blood Group Genotyping. *Journal of Molecular Diagnostics*, **2019**, 21, 525-537	5.1	4
411	Atopic Dermatitis Is an IL-13-Dominant Disease with Greater Molecular Heterogeneity Compared to Psoriasis. *Journal of Investigative Dermatology*, **2019**, 139, 1480-1489	4.3	122
410	ZNF133 is associated with infliximab responsiveness in patients with inflammatory bowel diseases. *Journal of Gastroenterology and Hepatology (Australia)*, **2019**, 34, 1727-1735	4	4
409	Genome-wide association study of psoriasis in an Egyptian population. *Experimental Dermatology*, **2019**, 28, 623-627	4	10

408	Analysis of long non-coding RNA and mRNA expression in bovine macrophages brings up novel aspects of Mycobacterium avium subspecies paratuberculosis infections. *Scientific Reports*, **2019**, 9, 1571	4.9	15
407	Functional abdominal pain and discomfort (IBS) is not associated with faecal microbiota composition in the general population. *Gut*, **2019**, 68, 1131-1133	19.2	9
406	Obese Individuals with and without Type 2 Diabetes Show Different Gut Microbial Functional Capacity and Composition. *Cell Host and Microbe*, **2019**, 26, 252-264.e10	23.4	120
405	A structured weight loss program increases gut microbiota phylogenetic diversity and reduces levels of Collinsella in obese type 2 diabetics: A pilot study. *PLoS ONE*, **2019**, 14, e0219489	3.7	44
404	Consistent alterations in faecal microbiomes of patients with primary sclerosing cholangitis independent of associated colitis. *Alimentary Pharmacology and Therapeutics*, **2019**, 50, 580-589	6.1	36
403	A combined epigenome- and transcriptome-wide association study of the oral masticatory mucosa assigns CYP1B1 a central role for epithelial health in smokers. *Clinical Epigenetics*, **2019**, 11, 105	7.7	7
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13	Arrhythmic gut microbiome signatures for risk profiling of Type-2 Diabetes		1

12	GWAS of stool frequency reveals genes, pathways, and cell types relevant to human gastrointestinal motility and irritable bowel syndrome	1
11	Association mapping of inflammatory bowel disease loci to single variant resolution	12
10	Genetic correlations among psychiatric and immune-related phenotypes based on genome-wide association data	2
9	Insights into the genetic epidemiology of Crohn and rare diseases in the Ashkenazi Jewish population	2
8	Longitudinal high-throughput TCR repertoire profiling reveals the dynamics of T cell memory formation after mild COVID-19 infection	6
7	The ABO blood group locus and a chromosome 3 gene cluster associate with SARS-CoV-2 respiratory failure in an Italian-Spanish genome-wide association analysis	23
6	Large-scale association analyses identify host factors influencing human gut microbiome composition	9
5	Genome-wide association study in 8,956 German individuals identifies influence of ABO histo-blood groups on gut microbiome	1
4	Common variants inABCG8andTRAF3genes confer risk for gallstone disease and gallbladder cancer in admixed Latinos with Mapuche Native American ancestry	2
3	Neolithic genomes reveal a distinct ancient HLA allele pool and population transformation in Europe	1
2	Sequencing of over 100,000 individuals identifies multiple genes and rare variants associated with Crohns disease susceptibility	2
1	Occasional paternal inheritance of the germline-restricted chromosome in songbirds	4