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List of Publications by Year
in descending order

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57 papers	2,723 citations	331642 21 h-index	214788 47 g-index
63 all docs	63 docs citations	63 times ranked	6037 citing authors

#	Article	IF	Citations
1	HaploGrep 2: mitochondrial haplogroup classification in the era of high-throughput sequencing. Nucleic Acids Research, 2016, 44, W58-W63.	14.5	688
2	HaploGrep: a fast and reliable algorithm for automatic classification of mitochondrial DNA haplogroups. Human Mutation, 2011, 32, 25-32.	2.5	433
3	Origin and dynamics of admixture in Brazilians and its effect on the pattern of deleterious mutations. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8696-8701.	7.1	206
4	mtDNA-Server: next-generation sequencing data analysis of human mitochondrial DNA in the cloud. Nucleic Acids Research, 2016, 44, W64-W69.	14.5	144
5	Disease burden and risk profile in referred patients with moderate chronic kidney disease: composition of the German Chronic Kidney Disease (GCKD) cohort. Nephrology Dialysis Transplantation, 2015, 30, 441-451.	0.7	132
6	Prevalence and correlates of gout in a large cohort of patients with chronic kidney disease: the German Chronic Kidney Disease (GCKD) study. Nephrology Dialysis Transplantation, 2015, 30, 613-621.	0.7	85
7	OXPHOS remodeling in high-grade prostate cancer involves mtDNA mutations and increased succinate oxidation. Nature Communications, 2020, 11, 1487.	12.8	78
8	A novel but frequent variant in LPA KIV-2 is associated with a pronounced Lp(a) and cardiovascular risk reduction. European Heart Journal, 2017, 38, 1823-1831.	2.2	66
9	Genetic risk variants for membranous nephropathy: extension of and association with other chronic kidney disease aetiologies. Nephrology Dialysis Transplantation, 2017, 32, 325-332.	0.7	63
10	Association of mitochondrial DNA copy number with metabolic syndrome and type 2 diabetes in 14Â176 individuals. Journal of Internal Medicine, 2021, 290, 190-202.	6.0	61
11	Large-scale mitochondrial DNA analysis in Southeast Asia reveals evolutionary effects of cultural isolation in the multi-ethnic population of Myanmar. BMC Evolutionary Biology, 2014, 14, 17.	3.2	56
12	Mitochondrial DNA copy number is associated with mortality and infections in a large cohort of patients with chronic kidney disease. Kidney International, 2019, 96, 480-488.	5.2	53
13	Contamination detection in sequencing studies using the mitochondrial phylogeny. Genome Research, 2021, 31, 309-316.	5.5	44
14	Cloudgene: A graphical execution platform for MapReduce programs on private and public clouds. BMC Bioinformatics, 2012, 13, 200.	2.6	43
15	Validation of Next-Generation Sequencing of Entire Mitochondrial Genomes and the Diversity of Mitochondrial DNA Mutations in Oral Squamous Cell Carcinoma. PLoS ONE, 2015, 10, e0135643.	2.5	41
16	Genome-Wide Association Studies of Metabolites in Patients with CKD Identify Multiple Loci and Illuminate Tubular Transport Mechanisms. Journal of the American Society of Nephrology: JASN, 2018, 29, 1513-1524.	6.1	39
17	A comprehensive map of single-base polymorphisms in the hypervariable LPA kringle IV type 2 copy number variation region. Journal of Lipid Research, 2019, 60, 186-199.	4.2	37
18	Frequent LPA KIV-2 Variants Lower Lipoprotein(a) Concentrations and Protect Against Coronary Artery Disease. Journal of the American College of Cardiology, 2021, 78, 437-449.	2.8	34

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19	Association of relative telomere length with cardiovascular disease in a large chronic kidney disease cohort: The GCKD study. Atherosclerosis, 2015, 242, 529-534.	0.8	27
20	Association of Serum Uromodulin with Death, Cardiovascular Events, and Kidney Failure in CKD. Clinical Journal of the American Society of Nephrology: CJASN, 2020, 15, 616-624.	4.5	25
21	Quantification of Metabolites by NMR Spectroscopy in the Presence of Protein. Journal of Proteome Research, 2017, 16, 1784-1796.	3.7	24
22	Implementation of the KDIGO guideline on lipid management requires a substantial increase in statin prescription rates. Kidney International, 2015, 88, 1411-1418.	5.2	23
23	Association Between Dietary Patterns and Kidney Function in Patients With Chronic Kidney Disease: A Cross-Sectional Analysis of the German Chronic Kidney Disease Study. , 2020, 30, 296-304.		23
24	Extraordinary claims require extraordinary evidence in asserted mtDNA biparental inheritance. Forensic Science International: Genetics, 2020, 47, 102274.	3.1	23
25	Urine Metabolite Levels, Adverse Kidney Outcomes, and Mortality in CKD Patients: A Metabolome-wide Association Study. American Journal of Kidney Diseases, 2021, 78, 669-677.e1.	1.9	22
26	Blood pressure control in chronic kidney disease: A cross-sectional analysis from the German Chronic Kidney Disease (GCKD) study. PLoS ONE, 2018, 13, e0202604.	2.5	20
27	Glycaemic control and antidiabetic therapy in patients with diabetes mellitus and chronic kidney disease â€“ cross-sectional data from the German Chronic Kidney Disease (GCKD) cohort. BMC Nephrology, 2016, 17, 59.	1.8	18
28	Heart Failure in a Cohort of Patients with Chronic Kidney Disease: The GCKD Study. PLoS ONE, 2015, 10, e0122552.	2.5	18
29	CONAN: copy number variation analysis software for genome-wide association studies. BMC Bioinformatics, 2010, 11, 318.	2.6	17
30	Do telomeres have a higher plasticity than thought? Results from the German Chronic Kidney Disease (GCKD) study as a high-risk population. Experimental Gerontology, 2015, 72, 162-166.	2.8	17
31	Results from the German Chronic Kidney Disease (GCKD) study support association of relative telomere length with mortality in a large cohort of patients with moderate chronic kidney disease. Kidney International, 2020, 98, 488-497.	5.2	16
32	Analyzing Low-Level mtDNA Heteroplasmyâ€"Pitfalls and Challenges from Bench to Benchmarking. International Journal of Molecular Sciences, 2021, 22, 935.	4.1	15
33	Thyroid function, renal events and mortality in chronic kidney disease patients: the German Chronic Kidney Disease study. CKJ: Clinical Kidney Journal, 2021, 14, 959-968.	2.9	14
34	eCOMPACT integrates mtDNA: import, validation and export of mitochondrial DNA profiles for population genetics, tumour dynamics and genotype-phenotype association studies. BMC Bioinformatics, 2010, 11, 122.	2.6	12
35	Circulating dendritic cell precursors in chronic kidney disease: a cross-sectional study. BMC Nephrology, 2013, 14, 274.	1.8	12
36	Profiling of Mitochondrial DNA Heteroplasmy in a Prospective Oral Squamous Cell Carcinoma Study. Cancers, 2020, 12, 1933.	3.7	11

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37	eCOMPACT â€“ efficient Combination and Management of Phenotypes and Genotypes for Genetic Epidemiology. BMC Bioinformatics, 2009, 10, 139.	2.6	8
38	An in-depth analysis of the mitochondrial phylogenetic landscape of Cambodia. Scientific Reports, 2021, 11, 10816.	3.3	8
39	Delivering bioinformatics MapReduce applications in the cloud. , 2014, , .		7
40	Benchmarking Low-Frequency Variant Calling With Long-Read Data on Mitochondrial DNA. Frontiers in Genetics, 0, 13, .	2.3	7
41	Correlation between a positive family risk score and peripheral artery disease in one case-control and two population-based studies. Atherosclerosis, 2014, 237, 243-250.	0.8	6
42	SNPflow: A Lightweight Application for the Processing, Storing and Automatic Quality Checking of Genotyping Assays. PLoS ONE, 2013, 8, e59508.	2.5	6
43	CovidPhy: A tool for phylogeographic analysis of SARS-CoV-2 variation. Environmental Research, 2022, 204, 111909.	7.5	5
44	Apolipoprotein Aâ€IV concentrations and clinical outcomes in a large chronic kidney disease cohort: Results from the GCKD study. Journal of Internal Medicine, 2021, , .	6.0	5
45	Drugs linked to plasma homoarginine in chronic kidney disease patientsâ€"a cross-sectional analysis of the German Chronic Kidney Disease cohort. Nephrology Dialysis Transplantation, 2020, 35, 1187-1195.	0.7	4
46	First mitochondrial genome-wide association study with metabolomics. Human Molecular Genetics, 2022, 31, 3367-3376.	2.9	4
47	From Forensics to Clinical Research: Expanding the Variant Calling Pipeline for the Precision ID mtDNA Whole Genome Panel. International Journal of Molecular Sciences, 2021, 22, 12031.	4.1	4
48	Cloudflow - A framework for MapReduce pipeline development in Biomedical Research. , 2015, , .		3
49	Implications of Standardized Uptake Values of Oral Squamous Cell Carcinoma in PET-CT on Prognosis, Tumor Characteristics and Mitochondrial DNA Heteroplasmy. Cancers, 2021, 13, 2273.	3.7	3
50	Spectrum and dosing of urate-lowering drugs in a large cohort of chronic kidney disease patients and their effect on serum urate levels: a cross-sectional analysis from the German Chronic Kidney Disease study. CKJ: Clinical Kidney Journal, 2021, 14, 277-283.	2.9	1
51	Shift of mitochondrial oxidative phosphorylation is associated with mtDNA mutational load in primary prostate cancer tissue. European Urology Supplements, 2018, 17, e85.	0.1	0
52	LBP-32-The Natural History of Ferroportin Disease-First Results of the International, Multicenter EASL non-HFE Registry. Journal of Hepatology, 2019, 70, e157.	3.7	0
53	A Comprehensive Map Of The Variability In The Lipoprotein(A) Kiv 2 Repeat Region And Follow-Up Of The Kiv-2 Arg20ter Mutation In 11,000 Individuals. Atherosclerosis, 2019, 287, e58.	0.8	0
54	Mitochondrial complex I gene mutations drive metabolic reprogramming in prostate cancer. European Urology Supplements, 2019, 18, e3041.	0.1	0

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55	Apolipoprotein A-IV concentrations and clinical outcomes in chronic kidney disease patients: Results from the German Chronic Kidney Disease (GCKD) study. Atherosclerosis, 2021, 331, e161.	0.8	0
56	Cloudflow - enabling faster biomedical pipelines with MapReduce and Spark. Scalable Computing, 2016, 17, .	1.0	0
57	Mitochondrial function and mitochondrial heteroplasmy levels differ between benign and malignant prostate tissue.. Endocrine Abstracts, 0, , .	0.0	0