Seyedeh Maryam Zekavat

List of Publications by Year
in descending order

48 papers	4,561 citations	172457 29 h-index	189892 50 g-index
61 all docs	61 docs citations	61 times ranked	8606 citing authors

#	Article	IF	Citations
1	Inherited causes of clonal haematopoiesis in 97,691 whole genomes. Nature, 2020, 586, 763-768.	27.8	376
2	A Genetic Variant Associated with Five Vascular Diseases Is a Distal Regulator of Endothelin-1 Gene Expression. Cell, 2017, 170, 522-533.e15.	28.9	356
3	ANGPTL3 Deficiency and Protection Against Coronary Artery Disease. Journal of the American College of Cardiology, 2017, 69, 2054-2063.	2.8	348
4	Genetic Association of Waist-to-Hip Ratio With Cardiometabolic Traits, Type 2 Diabetes, and Coronary Heart Disease. JAMA - Journal of the American Medical Association, 2017, 317, 626.	7.4	313
5	A statistical framework for cross-tissue transcriptome-wide association analysis. Nature Genetics, 2019, 51, 568-576.	21.4	262
6	Association of Premature Natural and Surgical Menopause With Incident Cardiovascular Disease. JAMA - Journal of the American Medical Association, 2019, 322, 2411.	7.4	232
7	Whole-Genome Sequencing to Characterize Monogenic and Polygenic Contributions in Patients Hospitalized With Early-Onset Myocardial Infarction. Circulation, 2019, 139, 1593-1602.	1.6	213
8	Phenotypic Characterization of GeneticallyÂLowered Human Lipoprotein(a) Levels. Journal of the American College of Cardiology, 2016, 68, 2761-2772.	2.8	186
9	Long-Term Cardiovascular Risk inÂWomenÂWith Hypertension DuringÂPregnancy. Journal of the American College of Cardiology, 2019, 74, 2743-2754.	2.8	169
10	Androgen Signaling Regulates SARS-CoV-2 Receptor Levels and Is Associated with Severe COVID-19 Symptoms in Men. Cell Stem Cell, 2020, 27, 876-889.e12.	11.1	167
11	Deep-coverage whole genome sequences and blood lipids among 16,324 individuals. Nature Communications, 2018, 9, 3391.	12.8	140
12	Distinction of lymphoid and myeloid clonal hematopoiesis. Nature Medicine, 2021, 27, 1921-1927.	30.7	130
13	Hematopoietic mosaic chromosomal alterations increase the risk for diverse types of infection. Nature Medicine, 2021, 27, 1012-1024.	30.7	109
14	Quantifying the Impact of Rare and Ultra-rare Coding Variation across the Phenotypic Spectrum. American Journal of Human Genetics, 2018, 102, 1204-1211.	6.2	102
15	Association of Clonal Hematopoiesis With Incident HeartÂFailure. Journal of the American College of Cardiology, 2021, 78, 42-52.	2.8	101
16	Ultra-rare disruptive and damaging mutations influence educational attainment in the general population. Nature Neuroscience, 2016, 19, 1563-1565.	14.8	90
17	Transcriptomic signatures across human tissues identify functional rare genetic variation. Science, 2020, 369, .	12.6	89
18	Clonal Hematopoiesis Is Associated With Higher Risk of Stroke. Stroke, 2022, 53, 788-797.	2.0	88

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19	Phenotypic Consequences of a Genetic Predisposition to Enhanced Nitric Oxide Signaling. Circulation, 2018, 137, 222-232.	1.6	87
20	Premature Menopause, Clonal Hematopoiesis, and Coronary Artery Disease in Postmenopausal Women. Circulation, 2021, 143, 410-423.	1.6	87
21	Deep coverage whole genome sequences and plasma lipoprotein(a) in individuals of European and African ancestries. Nature Communications, 2018, 9, 2606.	12.8	79
22	Analysis of predicted loss-of-function variants in UK Biobank identifies variants protective for disease. Nature Communications, 2018, 9, 1613.	12.8	78
23	Protein-Truncating Variants at the Cholesteryl Ester Transfer Protein Gene and Risk for Coronary Heart Disease. Circulation Research, 2017, 121, 81-88.	4.5	68
24	Deep Learning of the Retina Enables Phenome- and Genome-Wide Analyses of the Microvasculature. Circulation, 2022, 145, 134-150.	1.6	57
25	Mathematical framework for activity-based cancer biomarkers. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12627-12632.	7.1	50
26	Cardiovascular and KidneyÂOutcomes Across the GlycemicÂSpectrum. Journal of the American College of Cardiology, 2021, 78, 453-464.	2.8	45
27	Association of Diet Quality With Prevalence of Clonal Hematopoiesis and Adverse Cardiovascular Events. JAMA Cardiology, 2021, 6, 1069.	6.1	43
28	Comprehensive population-based genome sequencing provides insight into hematopoietic regulatory mechanisms. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E327-E336.	7.1	39
29	Mendelian randomization supports bidirectional causality between telomere length and clonal hematopoiesis of indeterminate potential. Science Advances, 2022, 8, eabl6579.	10.3	36
30	Genetic Association of Finger Photoplethysmography-Derived Arterial Stiffness Index With Blood Pressure and Coronary Artery Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 1253-1261.	2.4	35
31	Recall by genotype and cascade screening for familial hypercholesterolemia in a population-based biobank from Estonia. Genetics in Medicine, 2019, 21, 1173-1180.	2.4	35
32	Repeat Measures of Lipoprotein(a) Molar Concentration and Cardiovascular Risk. Journal of the American College of Cardiology, 2022, 79, 617-628.	2.8	35
33	DNA Sequence Variation in ACVR1C Encoding the Activin Receptor-Like Kinase 7 Influences Body Fat Distribution and Protects Against Type 2 Diabetes. Diabetes, 2019, 68, 226-234.	0.6	31
34	Rare Genetic Variants Associated With Sudden Cardiac Death in Adults. Journal of the American College of Cardiology, 2019, 74, 2623-2634.	2.8	27
35	Genetics of smoking and risk of clonal hematopoiesis. Scientific Reports, 2022, 12, 7248.	3.3	25
36	Elevated Blood Pressure Increases Pneumonia Risk: Epidemiological Association and Mendelian Randomization in the UK Biobank. Med, 2021, 2, 137-148.e4.	4.4	21

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37	Photoreceptor Layer Thinning Is an Early Biomarker for Age-Related Macular Degeneration. Ophthalmology, 2022, 129, 694-707.	5.2	21
38	Fibrillar Collagen Variants in Spontaneous Coronary Artery Dissection. JAMA Cardiology, 2022, 7, 396.	6.1	19
39	A Phenome-Wide Association Study of genes associated with COVID-19 severity reveals shared genetics with complex diseases in the Million Veteran Program. PLoS Genetics, 2022, 18, e1010113.	3.5	16
40	Association of Kidney Comorbidities and Acute Kidney Failure With Unfavorable Outcomes After COVID-19 in Individuals With the Sickle Cell Trait. JAMA Internal Medicine, 0, , .	5.1	15
41	An in silico model of retinal cholesterol dynamics (RCD model): insights into the pathophysiology of dry AMD. Journal of Lipid Research, 2017, 58, 1325-1337.	4.2	14
42	A MUC<scp>5</scp>B Gene Polymorphism, rs35705950-T, Confers Protective Effects Against COVID-19 Hospitalization but Not Severe Disease or Mortality. American Journal of Respiratory and Critical Care Medicine, 2022, 206, 1220-1229.	5.6	14
43	Apolipoprotein B is an insufficient explanation for the risk of coronary disease associated with lipoprotein(a). Cardiovascular Research, 2021, 117, 1245-1247.	3.8	12
44	Genetic Link Between Arterial Stiffness and Atrial Fibrillation. Circulation Genomic and Precision Medicine, 2019, 12, e002453.	3.6	11
45	Microvascular Outcomes in Women With a History of Hypertension in Pregnancy. Circulation, 2022, 145, 552-554.	1.6	6
46	Acquired Vitamin K Deficiency as Unusual Cause of Bleeding Tendency in Adults: A Case Report of a Nonhospitalized Student Presenting with Severe Menorrhagia. Case Reports in Obstetrics and Gynecology, 2017, 2017, 1-3.	0.3	4
47	Genome-wide pleiotropy analysis of coronary artery disease and pneumonia identifies shared immune pathways. Science Advances, 2022, 8, eabl4602.	10.3	4
48	A computational model of 1,5-AG dynamics during pregnancy. Physiological Reports, 2017, 5, e13375.	1.7	2