

Alexander G Bick

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

9,353
citations

81839

39
h-index

95218

68
g-index

87
all docs

87
docs citations

87
times ranked

15124
citing authors

#	ARTICLE	IF	CITATIONS
1	Clonal Hematopoiesis and Risk of Atherosclerotic Cardiovascular Disease. <i>New England Journal of Medicine</i> , 2017, 377, 111-121.	13.9	1,738
2	Genetic Risk, Adherence to a Healthy Lifestyle, and Coronary Disease. <i>New England Journal of Medicine</i> , 2016, 375, 2349-2358.	13.9	979
3	Diagnostic Yield and Clinical Utility of Sequencing Familial Hypercholesterolemia Genes in Patients With Severe Hypercholesterolemia. <i>Journal of the American College of Cardiology</i> , 2016, 67, 2578-2589.	1.2	723
4	Polygenic Prediction of Weight and Obesity Trajectories from Birth to Adulthood. <i>Cell</i> , 2019, 177, 587-596.e9.	13.5	516
5	Inherited causes of clonal haematopoiesis in 97,691 whole genomes. <i>Nature</i> , 2020, 586, 763-768.	13.7	376
6	Integrated allelic, transcriptional, and phenomic dissection of the cardiac effects of titin truncations in health and disease. <i>Science Translational Medicine</i> , 2015, 7, 270ra6.	5.8	375
7	Single-Cell Resolution of Temporal Gene Expression during Heart Development. <i>Developmental Cell</i> , 2016, 39, 480-490.	3.1	361
8	Polygenic background modifies penetrance of monogenic variants for tier 1 genomic conditions. <i>Nature Communications</i> , 2020, 11, 3635.	5.8	277
9	Genetic Interleukin 6 Signaling Deficiency Attenuates Cardiovascular Risk in Clonal Hematopoiesis. <i>Circulation</i> , 2020, 141, 124-131.	1.6	270
10	Increased Frequency of De Novo Copy Number Variants in Congenital Heart Disease by Integrative Analysis of Single Nucleotide Polymorphism Array and Exome Sequence Data. <i>Circulation Research</i> , 2014, 115, 884-896.	2.0	229
11	Phenotypic Characterization of Genetically Lowered Human Lipoprotein(a) Levels. <i>Journal of the American College of Cardiology</i> , 2016, 68, 2761-2772.	1.2	186
12	Mechanically Robust and Bioadhesive Collagen and Photocrosslinkable Hyaluronic Acid Semi-Interpenetrating Networks. <i>Tissue Engineering - Part A</i> , 2009, 15, 1645-1653.	1.6	167
13	Evolutionary Diversity of the Mitochondrial Calcium Uniporter. <i>Science</i> , 2012, 336, 886-886.	6.0	146
14	Increased Burden of Cardiovascular Disease in Carriers of <i>APOL1</i> Genetic Variants. <i>Circulation Research</i> , 2014, 114, 845-850.	2.0	141
15	Analysis of cardiac magnetic resonance imaging in 36,000 individuals yields genetic insights into dilated cardiomyopathy. <i>Nature Communications</i> , 2020, 11, 2254.	5.8	140
16	Controllable Microfluidic Production of Microbubbles in Water-in-Oil Emulsions and the Formation of Porous Microparticles. <i>Advanced Materials</i> , 2008, 20, 3314-3318.	11.1	139
17	Distinction of lymphoid and myeloid clonal hematopoiesis. <i>Nature Medicine</i> , 2021, 27, 1921-1927.	15.2	130
18	Assessing the phenotypic effects in the general population of rare variants in genes for a dominant Mendelian form of diabetes. <i>Nature Genetics</i> , 2013, 45, 1380-1385.	9.4	129

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19	Burden of Rare Sarcomere Gene Variants in the Framingham and Jackson Heart Study Cohorts. <i>American Journal of Human Genetics</i> , 2012, 91, 513-519.	2.6	116
20	Hematopoietic mosaic chromosomal alterations increase the risk for diverse types of infection. <i>Nature Medicine</i> , 2021, 27, 1012-1024.	15.2	109
21	Association of clonal hematopoiesis with chronic obstructive pulmonary disease. <i>Blood</i> , 2022, 139, 357-368.	0.6	106
22	Inherited myeloproliferative neoplasm risk affects haematopoietic stem cells. <i>Nature</i> , 2020, 586, 769-775.	13.7	101
23	A missense variant in Mitochondrial Amidoxime Reducing Component 1 gene and protection against liver disease. <i>PLoS Genetics</i> , 2020, 16, e1008629.	1.5	101
24	Association of Clonal Hematopoiesis With Incident Heart Failure. <i>Journal of the American College of Cardiology</i> , 2021, 78, 42-52.	1.2	101
25	Nanoscale tissue engineering: spatial control over cell-materials interactions. <i>Nanotechnology</i> , 2011, 22, 212001.	1.3	100
26	Genetic Association of Albuminuria with Cardiometabolic Disease and Blood Pressure. <i>American Journal of Human Genetics</i> , 2018, 103, 461-473.	2.6	91
27	Clonal Hematopoiesis Is Associated With Higher Risk of Stroke. <i>Stroke</i> , 2022, 53, 788-797.	1.0	88
28	Premature Menopause, Clonal Hematopoiesis, and Coronary Artery Disease in Postmenopausal Women. <i>Circulation</i> , 2021, 143, 410-423.	1.6	87
29	Clonal hematopoiesis of indeterminate potential (CHIP): Linking somatic mutations, hematopoiesis, chronic inflammation and cardiovascular disease. <i>Journal of Molecular and Cellular Cardiology</i> , 2021, 161, 98-105.	0.9	82
30	<i>Dnmt3a</i> -mutated clonal hematopoiesis promotes osteoporosis. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	81
31	Analysis of predicted loss-of-function variants in UK Biobank identifies variants protective for disease. <i>Nature Communications</i> , 2018, 9, 1613.	5.8	78
32	Clonal hematopoiesis associated with epigenetic aging and clinical outcomes. <i>Aging Cell</i> , 2021, 20, e13366.	3.0	72
33	Childbearing and Family Leave Policies for Resident Physicians at Top Training Institutions. <i>JAMA - Journal of the American Medical Association</i> , 2018, 320, 2372.	3.8	68
34	Clonal Hematopoiesis of Indeterminate Potential Reshapes Age-Related CVD. <i>Journal of the American College of Cardiology</i> , 2019, 74, 578-586.	1.2	57
35	Aggregate penetrance of genomic variants for actionable disorders in European and African Americans. <i>Science Translational Medicine</i> , 2016, 8, 364ra151.	5.8	55
36	<i>UBD</i> modifies <i>APOL1</i> -induced kidney disease risk. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 3446-3451.	3.3	52

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37	<i>UBQLN2</i> mutation causing heterogeneous X-linked dominant neurodegeneration. <i>Annals of Neurology</i> , 2014, 75, 793-798.	2.8	50
38	Cardiovascular homeostasis dependence on MICU2, a regulatory subunit of the mitochondrial calcium uniporter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E9096-E9104.	3.3	48
39	Germline risk of clonal haematopoiesis. <i>Nature Reviews Genetics</i> , 2021, 22, 603-617.	7.7	48
40	Healthy Lifestyle and Clonal Hematopoiesis of Indeterminate Potential: Results From the Women's Health Initiative. <i>Journal of the American Heart Association</i> , 2021, 10, e018789.	1.6	43
41	Association of Diet Quality With Prevalence of Clonal Hematopoiesis and Adverse Cardiovascular Events. <i>JAMA Cardiology</i> , 2021, 6, 1069.	3.0	43
42	Whole Genome Sequence Analysis of the Plasma Proteome in Black Adults Provides Novel Insights Into Cardiovascular Disease. <i>Circulation</i> , 2022, 145, 357-370.	1.6	39
43	Mendelian randomization supports bidirectional causality between telomere length and clonal hematopoiesis of indeterminate potential. <i>Science Advances</i> , 2022, 8, eabl6579.	4.7	36
44	Oxidized Phospholipids Promote NETosis and Arterial Thrombosis in LNK(SH2B3) Deficiency. <i>Circulation</i> , 2021, 144, 1940-1954.	1.6	33
45	Somatic Mutations in Cardiovascular Disease. <i>Circulation Research</i> , 2022, 130, 149-161.	2.0	32
46	Association of <i>APOL1</i> Risk Alleles With Cardiovascular Disease in Blacks in the Million Veteran Program. <i>Circulation</i> , 2019, 140, 1031-1040.	1.6	31
47	DNA Sequence Variation in <i>ACVR1C</i> Encoding the Activin Receptor-Like Kinase 7 Influences Body Fat Distribution and Protects Against Type 2 Diabetes. <i>Diabetes</i> , 2019, 68, 226-234.	0.3	31
48	Parenting While in Training: A Comprehensive Needs Assessment of Residents and Fellows. <i>Journal of Graduate Medical Education</i> , 2020, 12, 162-167.	0.6	31
49	Generalizability of Polygenic Risk Scores for Breast Cancer Among Women With European, African, and Latinx Ancestry. <i>JAMA Network Open</i> , 2021, 4, e2119084.	2.8	31
50	<i>APOL1</i> Risk Variants, Acute Kidney Injury, and Death in Participants With African Ancestry Hospitalized With COVID-19 From the Million Veteran Program. <i>JAMA Internal Medicine</i> , 2022, 182, 386.	2.6	31
51	Increased prevalence of clonal hematopoiesis of indeterminate potential amongst people living with HIV. <i>Scientific Reports</i> , 2022, 12, 577.	1.6	27
52	Clonal hematopoiesis in sickle cell disease. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	26
53	Genetics of smoking and risk of clonal hematopoiesis. <i>Scientific Reports</i> , 2022, 12, 7248.	1.6	25
54	Longitudinal profiling of clonal hematopoiesis provides insight into clonal dynamics. <i>Immunity and Ageing</i> , 2022, 19, .	1.8	20

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55	<i>ZBTB33</i> Is Mutated in Clonal Hematopoiesis and Myelodysplastic Syndromes and Impacts RNA Splicing. <i>Blood Cancer Discovery</i> , 2021, 2, 500-517.	2.6	17
56	A Phenome-Wide Association Study of genes associated with COVID-19 severity reveals shared genetics with complex diseases in the Million Veteran Program. <i>PLoS Genetics</i> , 2022, 18, e1010113.	1.5	16
57	Bubble formation via multidrop impacts. <i>Physics of Fluids</i> , 2010, 22, .	1.6	13
58	Clonal Hematopoiesis of Indeterminate Potential: an Expanding Genetic Cause of Cardiovascular Disease. <i>Current Atherosclerosis Reports</i> , 2021, 23, 66.	2.0	7
59	Obesity-Induced Inflammation Co-Operates with Clonal Hematopoiesis of Indeterminate Potential (CHIP) Mutants to Promote Leukemia Development and Cardiovascular Disease. <i>Blood</i> , 2021, 138, 1094-1094.	0.6	6
60	Clonal hematopoiesis and vascular disease. <i>Seminars in Immunopathology</i> , 2022, 44, 303-308.	2.8	6
61	Patient-specific comorbidities as prognostic variables for survival in Amyelofibrosis. <i>Blood Advances</i> , 2023, 7, 756-767.	2.5	6
62	Gestural Workspaces for Computer Interaction. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2013, 57, 424-428.	0.2	5
63	The Association between Clonal Hematopoiesis and Gout. <i>Blood</i> , 2021, 138, 595-595.	0.6	4
64	Clonal Hematopoiesis Analyses in Clinical, Epidemiologic, and Genetic Aging Studies to Unravel Underlying Mechanisms of Age-Related Dysfunction in Humans. <i>Frontiers in Aging</i> , 2022, 3, .	1.2	3
65	Mechanical Inhibition of Foam Formation via a Rotating Nozzle. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2011, 133, .	0.8	2
66	Next Generation Risk Markers in Preventive Cardio-oncology. <i>Current Atherosclerosis Reports</i> , 2022, , 1.	2.0	2
67	10.1063/1.3397851.1. , 2010, , .		1
68	Integrated allelic, transcriptional, and phenotypic dissection of the cardiac effects of titin variation in health and disease. <i>Heart</i> , 2015, 101, A93.1-A93.	1.2	0
69	Hyaluronic acid/collagen (HA/CN) assay for epithelial mesenchymal transformation (EMT) in cardiac valvulogenesis. <i>FASEB Journal</i> , 2010, 24, 754.5.	0.2	0
70	Investigating Germline Predisposition to Clonal Hematopoiesis through Perturbation of a Variant-Harboring Enhancer of TET2. <i>Blood</i> , 2021, 138, 3274-3274.	0.6	0
71	Modeling the temporal dynamics of clonal hematopoiesis. , 0, , .		0