

Qiong Yang

List of Publications by Year in descending order

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Version: 2024-02-01

109
papers

12,995
citations

44069

48
h-index

30087

103
g-index

121
all docs

121
docs citations

121
times ranked

20826
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic meta-analysis of diagnosed Alzheimer's disease identifies new risk loci and implicates A β , tau, immunity and lipid processing. <i>Nature Genetics</i> , 2019, 51, 414-430.	21.4	1,962
2	Multiancestry genome-wide association study of 520,000 subjects identifies 32 loci associated with stroke and stroke subtypes. <i>Nature Genetics</i> , 2018, 50, 524-537.	21.4	1,124
3	Rare coding variants in PLCC2, ABI3, and TREM2 implicate microglial-mediated innate immunity in Alzheimer's disease. <i>Nature Genetics</i> , 2017, 49, 1373-1384.	21.4	783
4	The Third Generation Cohort of the National Heart, Lung, and Blood Institute's Framingham Heart Study: Design, Recruitment, and Initial Examination. <i>American Journal of Epidemiology</i> , 2007, 165, 1328-1335.	8.4	752
5	New insights into the genetic etiology of Alzheimer's disease and related dementias. <i>Nature Genetics</i> , 2022, 54, 412-436.	21.4	700
6	A catalog of genetic loci associated with kidney function from analyses of a million individuals. <i>Nature Genetics</i> , 2019, 51, 957-972.	21.4	549
7	Study of 300,486 individuals identifies 148 independent genetic loci influencing general cognitive function. <i>Nature Communications</i> , 2018, 9, 2098.	12.8	484
8	Genetic associations at 53 loci highlight cell types and biological pathways relevant for kidney function. <i>Nature Communications</i> , 2016, 7, 10023.	12.8	412
9	Association Between Telomere Length and Risk of Cancer and Non-Neoplastic Diseases. <i>JAMA Oncology</i> , 2017, 3, 636.	7.1	376
10	Modeling the Cell Cycle: Why Do Certain Circuits Oscillate?. <i>Cell</i> , 2011, 144, 874-885.	28.9	302
11	Multiple Genetic Loci Influence Serum Urate Levels and Their Relationship With Gout and Cardiovascular Disease Risk Factors. <i>Circulation: Cardiovascular Genetics</i> , 2010, 3, 523-530.	5.1	285
12	Large-scale analyses of common and rare variants identify 12 new loci associated with atrial fibrillation. <i>Nature Genetics</i> , 2017, 49, 946-952.	21.4	279
13	Target genes, variants, tissues and transcriptional pathways influencing human serum urate levels. <i>Nature Genetics</i> , 2019, 51, 1459-1474.	21.4	251
14	GWAF: an R package for genome-wide association analyses with family data. <i>Bioinformatics</i> , 2010, 26, 580-581.	4.1	220
15	Genetic architecture of subcortical brain structures in 38,851 individuals. <i>Nature Genetics</i> , 2019, 51, 1624-1636.	21.4	192
16	Association of branched-chain amino acids and other circulating metabolites with risk of incident dementia and Alzheimer's disease: A prospective study in eight cohorts. <i>Alzheimer's and Dementia</i> , 2018, 14, 723-733.	0.8	182
17	Circadian Gating of the Cell Cycle Revealed in Single Cyanobacterial Cells. <i>Science</i> , 2010, 327, 1522-1526.	12.6	152
18	Circulating metabolites and general cognitive ability and dementia: Evidence from 11 cohort studies. <i>Alzheimer's and Dementia</i> , 2018, 14, 707-722.	0.8	143

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19	Common variants in Alzheimer's disease and risk stratification by polygenic risk scores. <i>Nature Communications</i> , 2021, 12, 3417.	12.8	140
20	Analyze multivariate phenotypes in genetic association studies by combining univariate association tests. <i>Genetic Epidemiology</i> , 2010, 34, 444-454.	1.3	137
21	Elevated ATPase Activity of KaiC Applies a Circadian Checkpoint on Cell Division in <i>Synechococcus elongatus</i> . <i>Cell</i> , 2010, 140, 529-539.	28.9	136
22	Genome-wide association meta-analyses and fine-mapping elucidate pathways influencing albuminuria. <i>Nature Communications</i> , 2019, 10, 4130.	12.8	133
23	Genome-wide Association Studies Identify Genetic Loci Associated With Albuminuria in Diabetes. <i>Diabetes</i> , 2016, 65, 803-817.	0.6	131
24	The Cdk1-APC/C cell cycle oscillator circuit functions as a time-delayed, ultrasensitive switch. <i>Nature Cell Biology</i> , 2013, 15, 519-525.	10.3	127
25	Genome-wide association study of kidney function decline in individuals of European descent. <i>Kidney International</i> , 2015, 87, 1017-1029.	5.2	113
26	Circulating Brain-Derived Neurotrophic Factor Concentrations and the Risk of Cardiovascular Disease in the Community. <i>Journal of the American Heart Association</i> , 2015, 4, e001544.	3.7	107
27	Heritable Stochastic Switching Revealed by Single-Cell Genealogy. <i>PLoS Biology</i> , 2007, 5, e239.	5.6	105
28	Genome-wide search for genes affecting serum uric acid levels: the Framingham Heart Study. <i>Metabolism: Clinical and Experimental</i> , 2005, 54, 1435-1441.	3.4	101
29	1000 Genomes-based meta-analysis identifies 10 novel loci for kidney function. <i>Scientific Reports</i> , 2017, 7, 45040.	3.3	98
30	Power and type I error rate of false discovery rate approaches in genome-wide association studies. <i>BMC Genetics</i> , 2005, 6, S134.	2.7	95
31	Association of amine biomarkers with incident dementia and Alzheimer's disease in the Framingham Study. <i>Alzheimer's and Dementia</i> , 2017, 13, 1327-1336.	0.8	93
32	Methods for Analyzing Multivariate Phenotypes in Genetic Association Studies. <i>Journal of Probability and Statistics</i> , 2012, 2012, 1-13.	0.7	90
33	Association of Alzheimer's disease GWAS loci with MRI markers of brain aging. <i>Neurobiology of Aging</i> , 2015, 36, 1765.e7-1765.e16.	3.1	82
34	A meta-analysis of 120 246 individuals identifies 18 new loci for fibrinogen concentration. <i>Human Molecular Genetics</i> , 2016, 25, 358-370.	2.9	73
35	Associations of a Metal Mixture Measured in Multiple Biomarkers with IQ: Evidence from Italian Adolescents Living near Ferroalloy Industry. <i>Environmental Health Perspectives</i> , 2020, 128, 97002.	6.0	73
36	Thyroid Function and Left Ventricular Structure and Function in the Framingham Heart Study. <i>Thyroid</i> , 2010, 20, 369-373.	4.5	72

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37	Identification of <i>cis</i> - and <i>trans</i> -Acting Genetic Variants Explaining Up to Half the Variation in Circulating Vascular Endothelial Growth Factor Levels. <i>Circulation Research</i> , 2011, 109, 554-563.	4.5	72
38	Common Genetic Variation Indicates Separate Causes for Periventricular and Deep White Matter Hypertensities. <i>Stroke</i> , 2020, 51, 2111-2121.	2.0	71
39	Thyroid Function and Lipid Subparticle Sizes in Patients with Short-Term Hypothyroidism and a Population-Based Cohort. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008, 93, 888-894.	3.6	69
40	Genome-Wide Meta-Analysis of Homocysteine and Methionine Metabolism Identifies Five One Carbon Metabolism Loci and a Novel Association of ALDH1L1 with Ischemic Stroke. <i>PLoS Genetics</i> , 2014, 10, e1004214.	3.5	69
41	An exome array study of the plasma metabolome. <i>Nature Communications</i> , 2016, 7, 12360.	12.8	69
42	Meta-analysis of epigenome-wide association studies of cognitive abilities. <i>Molecular Psychiatry</i> , 2018, 23, 2133-2144.	7.9	68
43	Evidence for a modifier of onset age in Huntington disease linked to the HD gene in 4p16. <i>Neurogenetics</i> , 2004, 5, 109-114.	1.4	67
44	Genome-wide Studies of Verbal Declarative Memory in Nondemented Older People: The Cohorts for Heart and Aging Research in Genomic Epidemiology Consortium. <i>Biological Psychiatry</i> , 2015, 77, 749-763.	1.3	67
45	Manganese in teeth and neurobehavior: Sex-specific windows of susceptibility. <i>Environment International</i> , 2017, 108, 299-308.	10.0	67
46	Genome-wide association and linkage analyses of hemostatic factors and hematological phenotypes in the Framingham Heart Study. <i>BMC Medical Genetics</i> , 2007, 8, S12.	2.1	66
47	Genetic Architecture of the Cardiovascular Risk Proteome. <i>Circulation</i> , 2018, 137, 1158-1172.	1.6	64
48	Genetic correlations and genome-wide associations of cortical structure in general population samples of 22,824 adults. <i>Nature Communications</i> , 2020, 11, 4796.	12.8	61
49	Profiling of the plasma proteome across different stages of human heart failure. <i>Nature Communications</i> , 2019, 10, 5830.	12.8	53
50	CDKN1C/p57kip2 is a candidate tumor suppressor gene in human breast cancer. <i>BMC Cancer</i> , 2008, 8, 68.	2.6	50
51	The impact of APOE genotype on survival: Results of 38,537 participants from six population-based cohorts (E2-CHARGE). <i>PLoS ONE</i> , 2019, 14, e0219668.	2.5	50
52	Urinary metabolites along with common and rare genetic variations are associated with incident chronic kidney disease. <i>Kidney International</i> , 2017, 91, 1426-1435.	5.2	49
53	Maternal influence on blood pressure suggests involvement of mitochondrial DNA in the pathogenesis of hypertension: the Framingham Heart Study. <i>Journal of Hypertension</i> , 2007, 25, 2067-2073.	0.5	47
54	Quantitative DNA Fingerprinting May Distinguish New Primary Breast Cancer From Disease Recurrence. <i>Journal of Clinical Oncology</i> , 2004, 22, 1830-1838.	1.6	45

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55	Probing the Virtual Proteome to Identify Novel Disease Biomarkers. <i>Circulation</i> , 2018, 138, 2469-2481.	1.6	42
56	Meta-analysis uncovers genome-wide significant variants for rapid kidney function decline. <i>Kidney International</i> , 2021, 99, 926-939.	5.2	42
57	SOS2 and ACP1 Loci Identified through Large-Scale Exome Chip Analysis Regulate Kidney Development and Function. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 981-994.	6.1	39
58	Association of variants in <i>HTRA1</i> and <i>NOTCH3</i> with MRI-defined extremes of cerebral small vessel disease in older subjects. <i>Brain</i> , 2019, 142, 1009-1023.	7.6	37
59	A robust and tunable mitotic oscillator in artificial cells. <i>ELife</i> , 2018, 7, .	6.0	36
60	Incoherent Inputs Enhance the Robustness of Biological Oscillators. <i>Cell Systems</i> , 2017, 5, 72-81.e4.	6.2	33
61	A genome-wide search for genes affecting circulating fibrinogen levels in the Framingham Heart Study. <i>Thrombosis Research</i> , 2003, 110, 57-64.	1.7	29
62	Whole blood gene expression and white matter Hyperintensities. <i>Molecular Neurodegeneration</i> , 2017, 12, 67.	10.8	28
63	Association of a Cystatin C Gene Variant With Cystatin C Levels, CKD, and Risk of Incident Cardiovascular Disease and Mortality. <i>American Journal of Kidney Diseases</i> , 2014, 63, 16-22.	1.9	27
64	Aptamer-Based Proteomic Platform Identifies Novel Protein Predictors of Incident Heart Failure and Echocardiographic Traits. <i>Circulation: Heart Failure</i> , 2020, 13, e006749.	3.9	26
65	Systems and synthetic biology approaches in understanding biological oscillators. <i>Quantitative Biology</i> , 2018, 6, 1-14.	0.5	25
66	Genome-wide linkage analyses and candidate gene fine mapping for HDL3 cholesterol: the Framingham Study. <i>Journal of Lipid Research</i> , 2005, 46, 1416-1425.	4.2	23
67	Description of the Framingham Heart Study data for Genetic Analysis Workshop 13. <i>BMC Genetics</i> , 2003, 4, S2.	2.7	22
68	Gene-centric approach identifies new and known loci for <i>F</i> ₈ activity and <i>VWF</i> antigen levels in European Americans and African Americans. <i>American Journal of Hematology</i> , 2015, 90, 534-540.	4.1	20
69	Plasma amyloid β levels are driven by genetic variants near <i>APOE</i> , <i>BACE1</i> , <i>APP</i> , <i>PSEN2</i> : A genome-wide association study in over 12,000 non-demented participants. <i>Alzheimer's and Dementia</i> , 2021, 17, 1663-1674.	0.8	20
70	Circulating testican-2 is a podocyte-derived marker of kidney health. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 25026-25035.	7.1	19
71	Engineering spatiotemporal organization and dynamics in synthetic cells. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2021, 13, e1685.	6.1	19
72	Whole exome sequence-based association analyses of plasma amyloid- β in African and European Americans; the Atherosclerosis Risk in Communities-Neurocognitive Study. <i>PLoS ONE</i> , 2017, 12, e0180046.	2.5	18

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73	Critical windows of susceptibility in the association between manganese and neurocognition in Italian adolescents living near ferro-manganese industry. <i>NeuroToxicology</i> , 2021, 87, 51-61.	3.0	18
74	Using Family-Based Imputation in Genome-Wide Association Studies with Large Complex Pedigrees: The Framingham Heart Study. <i>PLoS ONE</i> , 2012, 7, e51589.	2.5	17
75	Exome Chip Analysis Identifies Low-Frequency and Rare Variants in <i>MRPL38</i> for White Matter Hyperintensities on Brain Magnetic Resonance Imaging. <i>Stroke</i> , 2018, 49, 1812-1819.	2.0	17
76	Global and Regional Development of the Human Cerebral Cortex: Molecular Architecture and Occupational Aptitudes. <i>Cerebral Cortex</i> , 2020, 30, 4121-4139.	2.9	16
77	A comparison of strategies for analyzing dichotomous outcomes in genome-wide association studies with general pedigrees. <i>Genetic Epidemiology</i> , 2011, 35, 650-657.	1.3	15
78	Multimiomics integrative analysis identifies APOE allele-specific blood biomarkers associated to Alzheimer's disease etiopathogenesis. <i>Aging</i> , 2021, 13, 9277-9329.	3.1	15
79	Building Dynamic Cellular Machineries in Droplet-Based Artificial Cells with Single-Droplet Tracking and Analysis. <i>Analytical Chemistry</i> , 2019, 91, 9813-9818.	6.5	13
80	Corticosteroids and Regional Variations in Thickness of the Human Cerebral Cortex across the Lifespan. <i>Cerebral Cortex</i> , 2020, 30, 575-586.	2.9	13
81	Reconstitution of Cell-cycle Oscillations in Microemulsions of Cell-free <i>Xenopus</i> Egg Extracts. <i>Journal of Visualized Experiments</i> , 2018, .	0.3	10
82	Genetic Architecture of Circulating Very-Long-Chain (C24:0 and C22:0) Ceramide Concentrations. <i>Journal of Lipid and Atherosclerosis</i> , 2020, 9, 172.	3.5	10
83	Genetic analyses of longitudinal phenotype data: a comparison of univariate methods and a multivariate approach. <i>BMC Genetics</i> , 2003, 4, S29.	2.7	9
84	In vitro cell cycle oscillations exhibit a robust and hysteretic response to changes in cytoplasmic density. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	9
85	A three-stage approach for genome-wide association studies with family data for quantitative traits. <i>BMC Genetics</i> , 2010, 11, 40.	2.7	8
86	<i>4droPi</i> : A Hand-Held Microfluidic Droplet Imager and Analyzer Built on Raspberry Pi. <i>Journal of Chemical Education</i> , 2019, 96, 1152-1156.	2.3	8
87	EDEM3 Modulates Plasma Triglyceride Level through Its Regulation of LRP1 Expression. <i>IScience</i> , 2020, 23, 100973.	4.1	8
88	Handling linkage disequilibrium in linkage analysis using dense single-nucleotide polymorphisms. <i>BMC Proceedings</i> , 2007, 1, S161.	1.6	7
89	Methionine Sulfoxide Reductase-B3 Risk Allele Implicated in Alzheimer's Disease Associates with Increased Odds for Brain Infarcts. <i>Journal of Alzheimer's Disease</i> , 2019, 68, 357-365.	2.6	7
90	Multimiomic Profiling in Black and White Populations Reveals Novel Candidate Pathways in Left Ventricular Hypertrophy and Incident Heart Failure Specific to Black Adults. <i>Circulation Genomic and Precision Medicine</i> , 2021, 14, e003191.	3.6	7

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91	Sequencing of LRP2 Reveals Multiple Rare Variants Associated with Urinary Trefoil Factor-3. <i>Journal of the American Society of Nephrology: JASN</i> , 2014, 25, 2896-2905.	6.1	6
92	Gene-mapping study of extremes of cerebral small vessel disease reveals TRIM47 as a strong candidate. <i>Brain</i> , 2022, 145, 1992-2007.	7.6	6
93	Monitoring Spontaneous Quiescence and Asynchronous Proliferation-Quiescence Decisions in Prostate Cancer Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 728663.	3.7	6
94	An evaluation of approaches for rare variant association analyses of binary traits in related samples. <i>Scientific Reports</i> , 2021, 11, 3145.	3.3	5
95	Joint modeling of linkage and association using affected sib-pair data. <i>BMC Proceedings</i> , 2007, 1, S38.	1.6	3
96	Using linkage and association to identify and model genetic effects: summary of GAW15 Group 4. <i>Genetic Epidemiology</i> , 2007, 31, S34-S42.	1.3	3
97	The Rise of Ultrafast Waves. <i>Developmental Cell</i> , 2018, 47, 532-534.	7.0	3
98	Circulating metabolites associated with brain MRI markers of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2020, 16, e044283.	0.8	3
99	Real-Time Monitoring of APC/C-Mediated Substrate Degradation Using <i>Xenopus laevis</i> Egg Extracts. <i>Methods in Molecular Biology</i> , 2021, 2329, 29-38.	0.9	2
100	Association of low-frequency and rare coding variants with information processing speed. <i>Translational Psychiatry</i> , 2021, 11, 613.	4.8	2
101	Effect of linkage disequilibrium between markers in linkage and association analyses. <i>Genetic Epidemiology</i> , 2007, 31, S139-S148.	1.3	1
102	O4-05-02: Genome-wide association study of lobar brain volumes. , 2015, 11, P278-P278.		0
103	O1-04-06: Association of plasma biomarkers with risk of incident dementia in the framingham heart study: A metabolomics approach. , 2015, 11, P134-P135.		0
104	P1-004: GENOME-WIDE ASSOCIATION STUDY OF 11,785 INDIVIDUALS IDENTIFIES SEVEN LOCI ASSOCIATED WITH BRAIN-DERIVED NEUROTROPHIC FACTOR. <i>Alzheimer's and Dementia</i> , 2018, 14, P262.	0.8	0
105	O3-03-03: EPIGENOME-WIDE ASSOCIATION STUDIES IMPLICATE GENES INVOLVED IN GLIAL CELL FUNCTION AND VIRAL RESPONSE IN CEREBRAL WHITE MATTER HYPERINTENSITIES. <i>Alzheimer's and Dementia</i> , 2018, 14, P1015.	0.8	0
106	Association of plasma EFEMP1 with brain aging and dementia. <i>Alzheimer's and Dementia</i> , 2020, 16, e041009.	0.8	0
107	Plug-in tubes allow tunable oil removal, droplet packing, and reaction incubation for time-controlled droplet-based assays. <i>Biomicrofluidics</i> , 2021, 15, 024108.	2.4	0
108	Associations Between Brainstem Volume and Alzheimer's Disease Pathology in Middle-Aged Individuals of the Framingham Heart Study. <i>Journal of Alzheimer's Disease</i> , 2022, 86, 1603-1609.	2.6	0

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109	A meta-analysis of genome-wide association studies identifies new genetic loci associated with all-cause and vascular dementia.. Alzheimer's and Dementia, 2021, 17 Suppl 3, e056081.	0.8	0