Qiong Yang

List of Publications by Citations

108 papers	7,386 citations	43 h-index	85 g-index
121 ext. papers	10,533 ext. citations	10.3 avg, IF	5.08 L-index

#	Paper	IF	Citations
108	Genetic meta-analysis of diagnosed Alzheimer's disease identifies new risk loci and implicates A tau, immunity and lipid processing. *Nature Genetics*, **2019**, 51, 414-430	36.3	917
107	The Third Generation Cohort of the National Heart, Lung, and Blood Institute's Framingham Heart Study: design, recruitment, and initial examination. *American Journal of Epidemiology*, **2007**, 165, 1328-35	3.8	605
106	Multiancestry genome-wide association study of 520,000 subjects identifies 32 loci associated with stroke and stroke subtypes. *Nature Genetics*, **2018**, 50, 524-537	36.3	536
105	Rare coding variants in PLCG2, ABI3, and TREM2 implicate microglial-mediated innate immunity in Alzheimer's disease. *Nature Genetics*, **2017**, 49, 1373-1384	36.3	508
104	Genetic associations at 53 loci highlight cell types and biological pathways relevant for kidney function. *Nature Communications*, **2016**, 7, 10023	17.4	295
103	Study of 300,486 individuals identifies 148 independent genetic loci influencing general cognitive function. *Nature Communications*, **2018**, 9, 2098	17.4	254
102	Multiple genetic loci influence serum urate levels and their relationship with gout and cardiovascular disease risk factors. *Circulation: Cardiovascular Genetics*, **2010**, 3, 523-30		243
101	Association Between Telomere Length and Risk of Cancer and Non-Neoplastic Diseases: A Mendelian Randomization Study. *JAMA Oncology*, **2017**, 3, 636-651	13.4	236
100	Modeling the cell cycle: why do certain circuits oscillate?. *Cell*, **2011**, 144, 874-85	56.2	228
99	A catalog of genetic loci associated with kidney function from analyses of a million individuals. *Nature Genetics*, **2019**, 51, 957-972	36.3	217
98	GWAF: an R package for genome-wide association analyses with family data. *Bioinformatics*, **2010**, 26, 580-1	7.2	195
97	Large-scale analyses of common and rare variants identify 12 new loci associated with atrial fibrillation. *Nature Genetics*, **2017**, 49, 946-952	36.3	176
96	Circadian gating of the cell cycle revealed in single cyanobacterial cells. *Science*, **2010**, 327, 1522-6	33.3	123
95	Target genes, variants, tissues and transcriptional pathways influencing human serum urate levels. *Nature Genetics*, **2019**, 51, 1459-1474	36.3	122
94	Analyze multivariate phenotypes in genetic association studies by combining univariate association tests. *Genetic Epidemiology*, **2010**, 34, 444-54	2.6	113
93	Elevated ATPase activity of KaiC applies a circadian checkpoint on cell division in Synechococcus elongatus. *Cell*, **2010**, 140, 529-39	56.2	112
92	Genome-wide Association Studies Identify Genetic Loci Associated With Albuminuria in Diabetes. *Diabetes*, **2016**, 65, 803-17	0.9	96

91	The Cdk1-APC/C cell cycle oscillator circuit functions as a time-delayed, ultrasensitive switch. *Nature Cell Biology*, **2013**, 15, 519-25	23.4	96
90	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. *Alzheimer's and Dementia*, **2018**, 14, 723-733	1.2	90
89	Heritable stochastic switching revealed by single-cell genealogy. *PLoS Biology*, **2007**, 5, e239	9.7	88
88	Genome-wide association study of kidney function decline in individuals of European descent. *Kidney International*, **2015**, 87, 1017-29	9.9	83
87	Genome-wide search for genes affecting serum uric acid levels: the Framingham Heart Study. *Metabolism: Clinical and Experimental*, **2005**, 54, 1435-41	12.7	83
86	Genetic architecture of subcortical brain structures in 38,851 individuals. *Nature Genetics*, **2019**, 51, 1624-1636	30.9	81
85	Circulating metabolites and general cognitive ability and dementia: Evidence from 11 cohort studies. *Alzheimer's and Dementia*, **2018**, 14, 707-722	1.2	76
84	Power and type I error rate of false discovery rate approaches in genome-wide association studies. *BMC Genetics*, **2005**, 6 Suppl 1, S134	2.6	72
83	1000 Genomes-based meta-analysis identifies 10 novel loci for kidney function. *Scientific Reports*, **2017**, 7, 45040	4.9	70
82	Circulating brain-derived neurotrophic factor concentrations and the risk of cardiovascular disease in the community. *Journal of the American Heart Association*, **2015**, 4, e001544	6	70
81	Methods for Analyzing Multivariate Phenotypes in Genetic Association Studies. *Journal of Probability and Statistics*, **2012**, 2012, 652569	0.6	68
80	Association of Alzheimer's disease GWAS loci with MRI markers of brain aging. *Neurobiology of Aging*, **2015**, 36, 1765.e7-1765.e16	5.6	63
79	Evidence for a modifier of onset age in Huntington disease linked to the HD gene in 4p16. *Neurogenetics*, **2004**, 5, 109-14	3	63
78	Thyroid function and left ventricular structure and function in the Framingham Heart Study. *Thyroid* , **2010**, 20, 369-73	6.2	60
77	Genome-wide association and linkage analyses of hemostatic factors and hematological phenotypes in the Framingham Heart Study. *BMC Medical Genetics*, **2007**, 8 Suppl 1, S12	2.1	60
76	Genome-wide meta-analysis of homocysteine and methionine metabolism identifies five one carbon metabolism loci and a novel association of ALDH1L1 with ischemic stroke. *PLoS Genetics*, **2014**, 10, e1004214	6	57
75	Identification of cis- and trans-acting genetic variants explaining up to half the variation in circulating vascular endothelial growth factor levels. *Circulation Research*, **2011**, 109, 554-63	15.7	57
74	Thyroid function and lipid subparticle sizes in patients with short-term hypothyroidism and a population-based cohort. *Journal of Clinical Endocrinology and Metabolism*, **2008**, 93, 888-94	5.6	55

73	A meta-analysis of 120 246 individuals identifies 18 new loci for fibrinogen concentration. *Human Molecular Genetics*, **2016**, 25, 358-70	5.6	54
72	Association of amine biomarkers with incident dementia and Alzheimer's disease in the Framingham Study. *Alzheimer's and Dementia*, **2017**, 13, 1327-1336	1.2	52
71	Genome-wide studies of verbal declarative memory in nondemented older people: the Cohorts for Heart and Aging Research in Genomic Epidemiology consortium. *Biological Psychiatry*, **2015**, 77, 749-63	7.9	48
70	Genetic Architecture of the Cardiovascular Risk Proteome. *Circulation*, **2018**, 137, 1158-1172	16.7	47
69	An exome array study of the plasma metabolome. *Nature Communications*, **2016**, 7, 12360	17.4	47
68	Meta-analysis of epigenome-wide association studies of cognitive abilities. *Molecular Psychiatry*, **2018**, 23, 2133-2144	15.1	46
67	CDKN1C/p57kip2 is a candidate tumor suppressor gene in human breast cancer. *BMC Cancer*, **2008**, 8, 68	4.8	46
66	Genome-wide association meta-analyses and fine-mapping elucidate pathways influencing albuminuria. *Nature Communications*, **2019**, 10, 4130	17.4	43
65	Quantitative DNA fingerprinting may distinguish new primary breast cancer from disease recurrence. *Journal of Clinical Oncology*, **2004**, 22, 1830-8	2.2	42
64	Maternal influence on blood pressure suggests involvement of mitochondrial DNA in the pathogenesis of hypertension: the Framingham Heart Study. *Journal of Hypertension*, **2007**, 25, 2067-73	1.9	41
63	Manganese in teeth and neurobehavior: Sex-specific windows of susceptibility. *Environment International*, **2017**, 108, 299-308	12.9	37
62	Urinary metabolites along with common and rare genetic variations are associated with incident chronic kidney disease. *Kidney International*, **2017**, 91, 1426-1435	9.9	31
61	The impact of APOE genotype on survival: Results of 38,537 participants from six population-based cohorts (E2-CHARGE). *PLoS ONE*, **2019**, 14, e0219668	3.7	31
60	and Loci Identified through Large-Scale Exome Chip Analysis Regulate Kidney Development and Function. *Journal of the American Society of Nephrology: JASN*, **2017**, 28, 981-994	12.7	30
59	Associations of a Metal Mixture Measured in Multiple Biomarkers with IQ: Evidence from Italian Adolescents Living near Ferroalloy Industry. *Environmental Health Perspectives*, **2020**, 128, 97002	8.4	27
58	New insights into the genetic etiology of Alzheimer's disease and related dementias.. *Nature Genetics*, **2022**,	36.3	27
57	A genome-wide search for genes affecting circulating fibrinogen levels in the Framingham Heart Study. *Thrombosis Research*, **2003**, 110, 57-64	8.2	25
56	Profiling of the plasma proteome across different stages of human heart failure. *Nature Communications*, **2019**, 10, 5830	17.4	25

55	Common Genetic Variation Indicates Separate Causes for Periventricular and Deep White Matter Hyperintensities. *Stroke*, **2020**, 51, 2111-2121	6.7	23
54	Common variants in Alzheimer's disease and risk stratification by polygenic risk scores. *Nature Communications*, **2021**, 12, 3417	17.4	23
53	Probing the Virtual Proteome to Identify Novel Disease Biomarkers. *Circulation*, **2018**, 138, 2469-2481	16.7	23
52	Association of variants in HTRA1 and NOTCH3 with MRI-defined extremes of cerebral small vessel disease in older subjects. *Brain*, **2019**, 142, 1009-1023	11.2	21
51	Genome-wide linkage analyses and candidate gene fine mapping for HDL3 cholesterol: the Framingham Study. *Journal of Lipid Research*, **2005**, 46, 1416-25	6.3	21
50	Description of the Framingham Heart Study data for Genetic Analysis Workshop 13. *BMC Genetics*, **2003**, 4 Suppl 1, S2	2.6	19
49	A robust and tunable mitotic oscillator in artificial cells. *ELife*, **2018**, 7,	8.9	18
48	Association of a cystatin C gene variant with cystatin C levels, CKD, and risk of incident cardiovascular disease and mortality. *American Journal of Kidney Diseases*, **2014**, 63, 16-22	7.4	17
47	Genetic correlations and genome-wide associations of cortical structure in general population samples of 22,824 adults. *Nature Communications*, **2020**, 11, 4796	17.4	16
46	Gene-centric approach identifies new and known loci for FVIII activity and VWF antigen levels in European Americans and African Americans. *American Journal of Hematology*, **2015**, 90, 534-40	7.1	15
45	Incoherent Inputs Enhance the Robustness of Biological Oscillators. *Cell Systems*, **2017**, 5, 72-81.e4	10.6	14
44	Systems and synthetic biology approaches in understanding biological oscillators. *Quantitative Biology*, **2018**, 6, 1-14	3.9	14
43	A comparison of strategies for analyzing dichotomous outcomes in genome-wide association studies with general pedigrees. *Genetic Epidemiology*, **2011**, 35, 650-7	2.6	12
42	Exome Chip Analysis Identifies Low-Frequency and Rare Variants in MRPL38 for White Matter Hyperintensities on Brain Magnetic Resonance Imaging. *Stroke*, **2018**, 49, 1812-1819	6.7	10
41	Using family-based imputation in genome-wide association studies with large complex pedigrees: the Framingham Heart Study. *PLoS ONE*, **2012**, 7, e51589	3.7	10
40	Aptamer-Based Proteomic Platform Identifies Novel Protein Predictors of Incident Heart Failure and Echocardiographic Traits. *Circulation: Heart Failure*, **2020**, 13, e006749	7.6	8
39	Genetic analyses of longitudinal phenotype data: a comparison of univariate methods and a multivariate approach. *BMC Genetics*, **2003**, 4 Suppl 1, S29	2.6	8
38	Corticosteroids and Regional Variations in Thickness of the Human Cerebral Cortex across the Lifespan. *Cerebral Cortex*, **2020**, 30, 575-586	5.1	8

37	Engineering spatiotemporal organization and dynamics in synthetic cells. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2021**, 13, e1685	9.2	8
36	Circulating testican-2 is a podocyte-derived marker of kidney health. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 25026-25035	11.5	7
35	Whole exome sequence-based association analyses of plasma amyloid-β in African and European Americans; the Atherosclerosis Risk in Communities-Neurocognitive Study. *PLoS ONE*, **2017**, 12, e0180046	3.7	6
34	Handling linkage disequilibrium in linkage analysis using dense single-nucleotide polymorphisms. *BMC Proceedings*, **2007**, 1 Suppl 1, S161	2.3	6
33	Genetic Architecture of Circulating Very-Long-Chain (C24:0 and C22:0) Ceramide Concentrations. *Journal of Lipid and Atherosclerosis*, **2020**, 9, 172-183	3	6
32	Meta-analysis uncovers genome-wide significant variants for rapid kidney function decline. *Kidney International*, **2021**, 99, 926-939	9.9	6
31	Global and Regional Development of the Human Cerebral Cortex: Molecular Architecture and Occupational Aptitudes. *Cerebral Cortex*, **2020**, 30, 4121-4139	5.1	5
30	Building Dynamic Cellular Machineries in Droplet-Based Artificial Cells with Single-Droplet Tracking and Analysis. *Analytical Chemistry*, **2019**, 91, 9813-9818	7.8	5
29	Sequencing of LRP2 reveals multiple rare variants associated with urinary trefoil factor-3. *Journal of the American Society of Nephrology: JASN*, **2014**, 25, 2896-905	12.7	5
28	Plasma amyloid β levels are driven by genetic variants near APOE, BACE1, APP, PSEN2: A genome-wide association study in over 12,000 non-demented participants. *Alzheimer's and Dementia*, **2021**, 17, 1663-1674	1.2	5
27	droPi: A Hand-Held Microfluidic Droplet Imager and Analyzer Built on Raspberry Pi. *Journal of Chemical Education*, **2019**, 96, 1152-1156	2.4	4
26	EDEM3 Modulates Plasma Triglyceride Level through Its Regulation of LRP1 Expression. *IScience*, **2020**, 23, 100973	6.1	4
25	Whole blood gene expression and white matter Hyperintensities. *Molecular Neurodegeneration*, **2017**, 12, 67	19	4
24	Multiomics integrative analysis identifies allele-specific blood biomarkers associated to Alzheimer's disease etiopathogenesis. *Aging*, **2021**, 13, 9277-9329	5.6	4
23	Reconstitution of Cell-cycle Oscillations in Microemulsions of Cell-free Xenopus Egg Extracts. *Journal of Visualized Experiments*, **2018**,	1.6	4
22	A three-stage approach for genome-wide association studies with family data for quantitative traits. *BMC Genetics*, **2010**, 11, 40	2.6	3
21	Using linkage and association to identify and model genetic effects: summary of GAW15 Group 4. *Genetic Epidemiology*, **2007**, 31 Suppl 1, S34-42	2.6	3
20	Joint modeling of linkage and association using affected sib-pair data. *BMC Proceedings*, **2007**, 1 Suppl 1, S38	2.3	3

19	Methionine Sulfoxide Reductase-B3 Risk Allele Implicated in Alzheimer's Disease Associates with Increased Odds for Brain Infarcts. *Journal of Alzheimer's Disease*, **2019**, 68, 357-365	4.3	3
18	Multiomic Profiling in Black and White Populations Reveals Novel Candidate Pathways in Left Ventricular Hypertrophy and Incident Heart Failure Specific to Black Adults. *Circulation Genomic and Precision Medicine*, **2021**, 14, e003191	5.2	2
17	Critical windows of susceptibility in the association between manganese and neurocognition in Italian adolescents living near ferro-manganese industry. *NeuroToxicology*, **2021**, 87, 51-61	4.4	2
16	Circulating metabolites associated with brain MRI markers of Alzheimer's disease. *Alzheimer's and Dementia*, **2020**, 16, e044283	1.2	1
15	Effect of linkage disequilibrium between markers in linkage and association analyses. *Genetic Epidemiology*, **2007**, 31 Suppl 1, S139-48	2.6	1
14	In vitro cell cycle oscillations exhibit a robust and hysteretic response to changes in cytoplasmic density.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119,	11.5	1
13	An evaluation of approaches for rare variant association analyses of binary traits in related samples. *Scientific Reports*, **2021**, 11, 3145	4.9	1
12	The Rise of Ultrafast Waves. *Developmental Cell*, **2018**, 47, 532-534	10.2	1
11	Monitoring Spontaneous Quiescence and Asynchronous Proliferation-Quiescence Decisions in Prostate Cancer Cells.. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 728663	5.7	1
10	Association of low-frequency and rare coding variants with information processing speed. *Translational Psychiatry*, **2021**, 11, 613	8.6	0
9	Association of plasma EFEMP1 with brain aging and dementia. *Alzheimer's and Dementia*, **2020**, 16, e041029	10.2	
8	O4-05-02: Genome-wide association study of lobar brain volumes **2015**, 11, P278-P278		
7	O1-04-06: Association of plasma biomarkers with risk of incident dementia in the framingham heart study: A metabolomics approach **2015**, 11, P134-P135		
6	Plug-in tubes allow tunable oil removal, droplet packing, and reaction incubation for time-controlled droplet-based assays. *Biomicrofluidics*, **2021**, 15, 024108	3.2	
5	P1-004: GENOME-WIDE ASSOCIATION STUDY OF 11,785 INDIVIDUALS IDENTIFIES SEVEN LOCI ASSOCIATED WITH BRAIN-DERIVED NEUROTROPHIC FACTOR **2018**, 14, P262-P262		
4	O3-03-03: EPIGENOME-WIDE ASSOCIATION STUDIES IMPLICATE GENES INVOLVED IN GLIAL CELL FUNCTION AND VIRAL RESPONSE IN CEREBRAL WHITE MATTER HYPERINTENSITIES **2018**, 14, P1015-P1016		
3	Real-Time Monitoring of APC /C-Mediated Substrate Degradation Using Xenopus laevis Egg Extracts. *Methods in Molecular Biology*, **2021**, 2329, 29-38	1.4	
2	Associations Between Brainstem Volume and Alzheimer's Disease Pathology in Middle-Aged Individuals of the Framingham Heart Study.. *Journal of Alzheimer's Disease*, **2022**,	4.3	

1 A meta-analysis of genome-wide association studies identifies new genetic loci associated with all-cause and vascular dementia.. *Alzheimers and Dementia*, **2021**, 17 Suppl 3, e056081 1.2