Qiong Yang

List of Publications by Year
in descending order

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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	Gene-mapping study of extremes of cerebral small vessel disease reveals TRIM47 as a strong candidate. Brain, 2022, 145, 1992-2007.	7.6	6
2	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, .	7.1	9
3	New insights into the genetic etiology of Alzheimerâ€™s disease and related dementias. Nature Genetics, 2022, 54, 412-436.	21.4	700
4	Associations Between Brainstem Volume and Alzheimerâ€™s Disease Pathology in Middle-Aged Individuals of the Framingham Heart Study. Journal of Alzheimer's Disease, 2022, 86, 1603-1609.	2.6	0
5	Engineering spatiotemporal organization and dynamics in synthetic cells. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2021, 13, e1685.	6.1	19
6	Meta-analysis uncovers genome-wide significant variants for rapid kidney function decline. Kidney International, 2021, 99, 926-939.	5.2	42
7	An evaluation of approaches for rare variant association analyses of binary traits in related samples. Scientific Reports, 2021, 11, 3145.	3.3	5
8	Plug-in tubes allow tunable oil removal, droplet packing, and reaction incubation for time-controlled droplet-based assays. Biomicrofluidics, 2021, 15, 024108.	2.4	0
9	Multiomics integrative analysis identifies APOE allele-specific blood biomarkers associated to Alzheimerâ€™s disease etiopathogenesis. Aging, 2021, 13, 9277-9329.	3.1	15
10	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.	3.6	7
11	Plasma amyloid Î² levels are driven by genetic variants near APOE, BACE1, APP, PSEN2: A genomeâ€wide association study in over 12,000 nonâ€demented participants. Alzheimer's and Dementia, 2021, 17, 1663-1674.	0.8	20
12	Common variants in Alzheimerâ€™s disease and risk stratification by polygenic risk scores. Nature Communications, 2021, 12, 3417.	12.8	140
13	Critical windows of susceptibility in the association between manganese and neurocognition in Italian adolescents living near ferro-manganese industry. NeuroToxicology, 2021, 87, 51-61.	3.0	18
14	Real-Time Monitoring of APC/C-Mediated Substrate Degradation Using Xenopus laevis Egg Extracts. Methods in Molecular Biology, 2021, 2329, 29-38.	0.9	2
15	Association of low-frequency and rare coding variants with information processing speed. Translational Psychiatry, 2021, 11, 613.	4.8	2
16	Monitoring Spontaneous Quiescence and Asynchronous Proliferation-Quiescence Decisions in Prostate Cancer Cells. Frontiers in Cell and Developmental Biology, 2021, 9, 728663.	3.7	6
17	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
18	Corticosteroids and Regional Variations in Thickness of the Human Cerebral Cortex across the Lifespan. Cerebral Cortex, 2020, 30, 575-586.	2.9	13

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19	Genetic correlations and genome-wide associations of cortical structure in general population samples of 22,824 adults. Nature Communications, 2020, 11, 4796.	12.8	61
20	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.	7.1	19
21	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.	6.0	73
22	Association of plasma EFEMP1 with brain aging and dementia. Alzheimer's and Dementia, 2020, 16, e041009.	0.8	0
23	Circulating metabolites associated with brain MRI markers of Alzheimerâ€™s disease. Alzheimer's and Dementia, 2020, 16, e044283.	0.8	3
24	EDEM3 Modulates Plasma Triglyceride Level through Its Regulation of LRP1 Expression. IScience, 2020, 23, 100973.	4.1	8
25	Aptamer-Based Proteomic Platform Identifies Novel Protein Predictors of Incident Heart Failure and Echocardiographic Traits. Circulation: Heart Failure, 2020, 13, e006749.	3.9	26
26	Common Genetic Variation Indicates Separate Causes for Periventricular and Deep White Matter Hyperintensities. Stroke, 2020, 51, 2111-2121.	2.0	71
27	Global and Regional Development of the Human Cerebral Cortex: Molecular Architecture and Occupational Aptitudes. Cerebral Cortex, 2020, 30, 4121-4139.	2.9	16
28	Genetic Architecture of Circulating Very-Long-Chain (C24:0 and C22:0) Ceramide Concentrations. Journal of Lipid and Atherosclerosis, 2020, 9, 172.	3.5	10
29	Building Dynamic Cellular Machineries in Droplet-Based Artificial Cells with Single-Droplet Tracking and Analysis. Analytical Chemistry, 2019, 91, 9813-9818.	6.5	13
30	The impact of APOE genotype on survival: Results of 38,537 participants from six population-based cohorts (E2-CHARGE). PLoS ONE, 2019, 14, e0219668.	2.5	50
31	Genome-wide association meta-analyses and fine-mapping elucidate pathways influencing albuminuria. Nature Communications, 2019, 10, 4130.	12.8	133
32	Target genes, variants, tissues and transcriptional pathways influencing human serum urate levels. Nature Genetics, 2019, 51, 1459-1474.	21.4	251
33	A catalog of genetic loci associated with kidney function from analyses of a million individuals. Nature Genetics, 2019, 51, 957-972.	21.4	549
34	Î¼droPi: A Hand-Held Microfluidic Droplet Imager and Analyzer Built on Raspberry Pi. Journal of Chemical Education, 2019, 96, 1152-1156.	2.3	8
35	Association of variants inHTRA1andNOTCH3with MRI-defined extremes of cerebral small vessel disease in older subjects. Brain, 2019, 142, 1009-1023.	7.6	37
36	Genetic meta-analysis of diagnosed Alzheimerâ€™s disease identifies new risk loci and implicates Aî², tau, immunity and lipid processing. Nature Genetics, 2019, 51, 414-430.	21.4	1,962

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37	Methionine Sulfoxide Reductase-B3 Risk Allele Implicated in Alzheimerâ€™s Disease Associates with Increased Odds for Brain Infarcts. Journal of Alzheimer's Disease, 2019, 68, 357-365.	2.6	7
38	Profiling of the plasma proteome across different stages of human heart failure. Nature Communications, 2019, 10, 5830.	12.8	53
39	Genetic architecture of subcortical brain structures in 38,851 individuals. Nature Genetics, 2019, 51, 1624-1636.	21.4	192
40	Association of branchedâ€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.	0.8	182
41	Genetic Architecture of the Cardiovascular Risk Proteome. Circulation, 2018, 137, 1158-1172.	1.6	64
42	Circulating metabolites and general cognitive ability and dementia: Evidence from 11 cohort studies. Alzheimer's and Dementia, 2018, 14, 707-722.	0.8	143
43	Meta-analysis of epigenome-wide association studies of cognitive abilities. Molecular Psychiatry, 2018, 23, 2133-2144.	7.9	68
44	Systems and synthetic biology approaches in understanding biological oscillators. Quantitative Biology, 2018, 6, 1-14.	0.5	25
45	P1â€004: GENOMEâ€WIDE ASSOCIATION STUDY OF 11,785 INDIVIDUALS IDENTIFIES SEVEN LOCI ASSOCIATED WITH BRAINâ€DERIVED NEUROTROPHIC FACTOR. Alzheimer's and Dementia, 2018, 14, P262.	0.8	0
46	O3â€03â€03: EPIGENOMEâ€WIDE ASSOCIATION STUDIES IMPLICATE GENES INVOLVED IN GLIAL CELL FUNCTION AND VIRAL RESPONSE IN CEREBRAL WHITE MATTER HYPERINTENSITIES. Alzheimer's and Dementia, 2018, 14, P1015.	0.8	0
47	The Rise of Ultrafast Waves. Developmental Cell, 2018, 47, 532-534.	7.0	3
48	Reconstitution of Cell-cycle Oscillations in Microemulsions of Cell-free Xenopus Egg Extracts. Journal of Visualized Experiments, 2018, , .	0.3	10
49	Probing the Virtual Proteome to Identify Novel Disease Biomarkers. Circulation, 2018, 138, 2469-2481.	1.6	42
50	Study of 300,486 individuals identifies 148 independent genetic loci influencing general cognitive function. Nature Communications, 2018, 9, 2098.	12.8	484
51	A robust and tunable mitotic oscillator in artificial cells. ELife, 2018, 7, .	6.0	36
52	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.	2.0	17
53	Multiancestry genome-wide association study of 520,000 subjects identifies 32 loci associated with stroke and stroke subtypes. Nature Genetics, 2018, 50, 524-537.	21.4	1,124
54	Association Between Telomere Length and Risk of Cancer and Non-Neoplastic Diseases. JAMA Oncology, 2017, 3, 636.	7.1	376

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55	Large-scale analyses of common and rare variants identify 12 new loci associated with atrial fibrillation. Nature Genetics, 2017, 49, 946-952.	21.4	279
56	1000 Genomes-based meta-analysis identifies 10 novel loci for kidney function. Scientific Reports, 2017, 7, 45040.	3.3	98
57	Association of amine biomarkers with incident dementia and Alzheimer's disease in the Framingham Study. Alzheimer's and Dementia, 2017, 13, 1327-1336.	0.8	93
58	Urinary metabolites along with common and rareÂgenetic variations are associated with incidentÂchronic kidney disease. Kidney International, 2017, 91, 1426-1435.	5.2	49
59	SOS2 and ACP1 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.	6.1	39
60	Manganese in teeth and neurobehavior: Sex-specific windows of susceptibility. Environment International, 2017, 108, 299-308.	10.0	67
61	Rare coding variants in PLCG2, ABI3, and TREM2 implicate microglial-mediated innate immunity in Alzheimer's disease. Nature Genetics, 2017, 49, 1373-1384.	21.4	783
62	Incoherent Inputs Enhance the Robustness of Biological Oscillators. Cell Systems, 2017, 5, 72-81.e4.	6.2	33
63	Whole exome sequence-based association analyses of plasma amyloid-Î² in African and European Americans; the Atherosclerosis Risk in Communities-Neurocognitive Study. PLoS ONE, 2017, 12, e0180046.	2.5	18
64	Whole blood gene expression and white matter Hyperintensities. Molecular Neurodegeneration, 2017, 12, 67.	10.8	28
65	An exome array study of the plasma metabolome. Nature Communications, 2016, 7, 12360.	12.8	69
66	Genome-wide Association Studies Identify Genetic Loci Associated With Albuminuria in Diabetes. Diabetes, 2016, 65, 803-817.	0.6	131
67	Genetic associations at 53 loci highlight cell types and biological pathways relevant for kidney function. Nature Communications, 2016, 7, 10023.	12.8	412
68	A meta-analysis of 120 246 individuals identifies 18 new loci for fibrinogen concentration. Human Molecular Genetics, 2016, 25, 358-370.	2.9	73
69	O4-05-02: Genome-wide association study of lobar brain volumes. , 2015, 11, P278-P278.		0
70	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
71	Association of Alzheimer's disease GWAS loci with MRI markers of brain aging. Neurobiology of Aging, 2015, 36, 1765.e7-1765.e16.	3.1	82
72	Geneâ€centric approach identifies new and known loci for <scp>F</scp>VIII activity and <scp>VWF</scp> antigen levels in <scp>E</scp>uropean <scp>A</scp>mericans and <scp>A</scp>frican <scp>A</scp>mericans. American Journal of Hematology, 2015, 90, 534-540.	4.1	20

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73	Circulating Brainâ€Derived Neurotrophic Factor Concentrations and the Risk of Cardiovascular Disease in the Community. Journal of the American Heart Association, 2015, 4, e001544.	3.7	107
74	Genome-wide association study of kidney function decline in individuals of European descent. Kidney International, 2015, 87, 1017-1029.	5.2	113
75	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, 749-763.	1.3	67
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.	3.5	69
77	Sequencing of LRP2 Reveals Multiple Rare Variants Associated with Urinary Trefoil Factor-3. Journal of the American Society of Nephrology: JASN, 2014, 25, 2896-2905.	6.1	6
78	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.	1.9	27
79	The Cdk1â€“APC/C cell cycle oscillator circuit functions as a time-delayed, ultrasensitive switch. Nature Cell Biology, 2013, 15, 519-525.	10.3	127
80	Methods for Analyzing Multivariate Phenotypes in Genetic Association Studies. Journal of Probability and Statistics, 2012, 2012, 1-13.	0.7	90
81	Using Family-Based Imputation in Genome-Wide Association Studies with Large Complex Pedigrees: The Framingham Heart Study. PLoS ONE, 2012, 7, e51589.	2.5	17
82	Modeling the Cell Cycle: Why Do Certain Circuits Oscillate?. Cell, 2011, 144, 874-885.	28.9	302
83	A comparison of strategies for analyzing dichotomous outcomes in genome-wide association studies with general pedigrees. Genetic Epidemiology, 2011, 35, 650-657.	1.3	15
84	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, 554-563.	4.5	72
85	Analyze multivariate phenotypes in genetic association studies by combining univariate association tests. Genetic Epidemiology, 2010, 34, 444-454.	1.3	137
86	A three-stage approach for genome-wide association studies with family data for quantitative traits. BMC Genetics, 2010, 11, 40.	2.7	8
87	GWAF: an R package for genome-wide association analyses with family data. Bioinformatics, 2010, 26, 580-581.	4.1	220
88	Circadian Gating of the Cell Cycle Revealed in Single Cyanobacterial Cells. Science, 2010, 327, 1522-1526.	12.6	152
89	Multiple Genetic Loci Influence Serum Urate Levels and Their Relationship With Gout and Cardiovascular Disease Risk Factors. Circulation: Cardiovascular Genetics, 2010, 3, 523-530.	5.1	285
90	Elevated ATPase Activity of KaiC Applies a Circadian Checkpoint on Cell Division in Synechococcus elongatus. Cell, 2010, 140, 529-539.	28.9	136

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91	Thyroid Function and Left Ventricular Structure and Function in the Framingham Heart Study. Thyroid, 2010, 20, 369-373.	4.5	72
92	CDKN1C/p57kip2is a candidate tumor suppressor gene in human breast cancer. BMC Cancer, 2008, 8, 68.	2.6	50
93	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, 888-894.	3.6	69
94	Heritable Stochastic Switching Revealed by Single-Cell Genealogy. PLoS Biology, 2007, 5, e239.	5.6	105
95	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, 1328-1335.	3.4	752
96	Joint modeling of linkage and association using affected sib-pair data. BMC Proceedings, 2007, 1, S38.	1.6	3
97	Maternal influence on blood pressure suggests involvement of mitochondrial DNA in the pathogenesis of hypertension: the Framingham Heart Study. Journal of Hypertension, 2007, 25, 2067-2073.	0.5	47
98	Handling linkage disequilibrium in linkage analysis using dense single-nucleotide polymorphisms. BMC Proceedings, 2007, 1, S161.	1.6	7
99	Using linkage and association to identify and model genetic effects: summary of GAW15 Group 4. Genetic Epidemiology, 2007, 31, S34-S42.	1.3	3
100	Effect of linkage disequilibrium between markers in linkage and association analyses. Genetic Epidemiology, 2007, 31, S139-S148.	1.3	1
101	Genome-wide association and linkage analyses of hemostatic factors and hematological phenotypes in the Framingham Heart Study. BMC Medical Genetics, 2007, 8, S12.	2.1	66
102	Power and type I error rate of false discovery rate approaches in genome-wide association studies. BMC Genetics, 2005, 6, S134.	2.7	95
103	Genome-wide linkage analyses and candidate gene fine mapping for HDL3 cholesterol: the Framingham Study. Journal of Lipid Research, 2005, 46, 1416-1425.	4.2	23
104	Genome-wide search for genes affecting serum uric acid levels: the Framingham Heart Study. Metabolism: Clinical and Experimental, 2005, 54, 1435-1441.	3.4	101
105	Quantitative DNA Fingerprinting May Distinguish New Primary Breast Cancer From Disease Recurrence. Journal of Clinical Oncology, 2004, 22, 1830-1838.	1.6	45
106	Evidence for a modifier of onset age in Huntington disease linked to the HD gene in 4p16. Neurogenetics, 2004, 5, 109-114.	1.4	67
107	Description of the Framingham Heart Study data for Genetic Analysis Workshop 13. BMC Genetics, 2003, 4, S2.	2.7	22
108	Genetic analyses of longitudinal phenotype data: a comparison of univariate methods and a multivariate approach. BMC Genetics, 2003, 4, S29.	2.7	9

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109	A genome-wide search for genes affecting circulating fibrinogen levels in the Framingham Heart Study. Thrombosis Research, 2003, 110, 57-64.	1.7	29