Anbupalam Thalamuthu

List of Publications by Year
in descending order

122 papers	10,002 citations	71102 41 h-index	45317 90 g-index
136 all docs	136 docs citations	136 times ranked	16833 citing authors

#	Article	IF	Citations
1	Common genetic variants influence human subcortical brain structures. Nature, 2015, 520, 224-229.	27.8	772
2	TRAF1â€“C5as a Risk Locus for Rheumatoid Arthritis â€” A Genomewide Study. New England Journal of Medicine, 2007, 357, 1199-1209.	27.0	729
3	New insights into the genetic etiology of Alzheimerâ€™s disease and related dementias. Nature Genetics, 2022, 54, 412-436.	21.4	700
4	The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. Brain Imaging and Behavior, 2014, 8, 153-182.	2.1	696
5	A common BIM deletion polymorphism mediates intrinsic resistance and inferior responses to tyrosine kinase inhibitors in cancer. Nature Medicine, 2012, 18, 521-528.	30.7	510
6	Study of 300,486 individuals identifies 148 independent genetic loci influencing general cognitive function. Nature Communications, 2018, 9, 2098.	12.8	484
7	The genetic architecture of the human cerebral cortex. Science, 2020, 367, .	12.6	450
8	Genetic contributions to variation in general cognitive function: a meta-analysis of genome-wide association studies in the CHARGE consortium (N=53â€‰949). Molecular Psychiatry, 2015, 20, 183-192.	7.9	344
9	Evaluation and comparison of gene clustering methods in microarray analysis. Bioinformatics, 2006, 22, 2405-2412.	4.1	256
10	Novel genetic loci associated with hippocampal volume. Nature Communications, 2017, 8, 13624.	12.8	250
11	A Genome-Wide Association Study Identifies Novel and Functionally Related Susceptibility Loci for Kawasaki Disease. PLoS Genetics, 2009, 5, e1000319.	3.5	234
12	The Prevalence of Mild Cognitive Impairment in Diverse Geographical and Ethnocultural Regions: The COSMIC Collaboration. PLoS ONE, 2015, 10, e0142388.	2.5	225
13	Novel genetic loci underlying human intracranial volume identified through genome-wide association. Nature Neuroscience, 2016, 19, 1569-1582.	14.8	213
14	Genetic influences on schizophrenia and subcortical brain volumes: large-scale proof of concept. Nature Neuroscience, 2016, 19, 420-431.	14.8	204
15	Genetic architecture of subcortical brain structures in 38,851 individuals. Nature Genetics, 2019, 51, 1624-1636.	21.4	192
16	Large-scale GWAS identifies multiple loci for hand grip strength providing biological insights into muscular fitness. Nature Communications, 2017, 8, 16015.	12.8	149
17	Candidate gene analysis suggests a role for fatty acid biosynthesis and regulation of the complement system in the etiology of age-related maculopathy. Human Molecular Genetics, 2005, 14, 1991-2002.	2.9	143
18	Age-related cognitive decline and associations with sex, education and apolipoprotein E genotype across ethnocultural groups and geographic regions: a collaborative cohort study. PLoS Medicine, 2017, 14, e1002261.	8.4	120

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19	The effect of increased genetic risk for Alzheimer's disease on hippocampal and amygdala volume. Neurobiology of Aging, 2016, 40, 68-77.	3.1	115
20	A genome-wide association study of hepatitis B vaccine response in an Indonesian population reveals multiple independent risk variants in the HLA region. Human Molecular Genetics, 2011, 20, 3893-3898.	2.9	113
21	Risk prediction of late-onset Alzheimerâ€™s disease implies an oligogenic architecture. Nature Communications, 2020, 11, 4799.	12.8	110
22	Association Analysis ofCFH,C2,BF, andHTRA1Gene Polymorphisms in Chinese Patients with Polypoidal Choroidal Vasculopathy. , 2008, 49, 2613.		105
23	Large-Scale Functional Organization of Long-Range Chromatin Interaction Networks. Cell Reports, 2012, 2, 1207-1219.	6.4	102
24	Association ofLOXL1Gene Polymorphisms with Pseudoexfoliation in the Japanese. , 2008, 49, 3976.		95
25	A combined analysis of genome-wide association studies in breast cancer. Breast Cancer Research and Treatment, 2011, 126, 717-727.	2.5	90
26	Cerebral small vessel disease genomics and its implications across the lifespan. Nature Communications, 2020, 11, 6285.	12.8	89
27	Determinants of cognitive performance and decline in 20 diverse ethno-regional groups: A COSMIC collaboration cohort study. PLoS Medicine, 2019, 16, e1002853.	8.4	86
28	Circulating microRNAs as Biomarkers of Alzheimerâ€™s Disease: A Systematic Review. Journal of Alzheimer's Disease, 2015, 49, 755-766.	2.6	85
29	Brain structural abnormalities in obesity: relation to age, genetic risk, and common psychiatric disorders. Molecular Psychiatry, 2021, 26, 4839-4852.	7.9	76
30	Genetic variants associated with longitudinal changes in brain structure across the lifespan. Nature Neuroscience, 2022, 25, 421-432.	14.8	75
31	Aging, exceptional longevity and comparisons of the Hannum and Horvath epigenetic clocks. Epigenomics, 2017, 9, 689-700.	2.1	73
32	Review and meta-analysis of genetic polymorphisms associated with exceptional human longevity. Mechanisms of Ageing and Development, 2018, 175, 24-34.	4.6	71
33	Common Genetic Variation Indicates Separate Causes for Periventricular and Deep White Matter Hyperintensities. Stroke, 2020, 51, 2111-2121.	2.0	71
34	Association tests using kernelâ€based measures of multiâ€locus genotype similarity between individuals. Genetic Epidemiology, 2010, 34, 213-221.	1.3	69
35	The Heritability and Sibling Risk of Angle Closure in Asians. Ophthalmology, 2011, 118, 480-485.	5.2	69
36	Prefrontal gray matter volume mediates genetic risks for obesity. Molecular Psychiatry, 2017, 22, 703-710.	7.9	66

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37	MicroRNA regulation and its effects on cellular transcriptome in Human Immunodeficiency Virus-1 (HIV-1) infected individuals with distinct viral load and CD4 cell counts. BMC Infectious Diseases, 2013, 13, 250.	2.9	63
38	The organisation of the elderly connectome. NeuroImage, 2015, 114, 414-426.	4.2	62
39	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
40	Comparative Expression Profile of miRNA and mRNA in Primary Peripheral Blood Mononuclear Cells Infected with Human Immunodeficiency Virus (HIV-1). PLoS ONE, 2011, 6, e22730.	2.5	55
41	Association of Copy Number Variation of the 15q11.2 BP1-BP2 Region With Cortical and Subcortical Morphology and Cognition. JAMA Psychiatry, 2020, 77, 420.	11.0	54
42	Association ofTCF4Gene Polymorphisms with Fuchs' Corneal Dystrophy in the Chinese. , 2011, 52, 5573.		51
43	Plasma lipidome is dysregulated in Alzheimerâ€™s disease and is associated with disease risk genes. Translational Psychiatry, 2021, 11, 344.	4.8	51
44	Genetic influences on individual differences in longitudinal changes in global and subcortical brain volumes: Results of the ENIGMA plasticity working group. Human Brain Mapping, 2017, 38, 4444-4458.	3.6	51
45	The independent influences of age and education on functional brain networks and cognition in healthy older adults. Human Brain Mapping, 2017, 38, 5094-5114.	3.6	49
46	Association of LOXL1 polymorphisms with pseudoexfoliation in the Chinese. Molecular Vision, 2009, 15, 1120-6.	1.1	46
47	Multi-Variant Pathway Association Analysis Reveals the Importance of Genetic Determinants of Estrogen Metabolism in Breast and Endometrial Cancer Susceptibility. PLoS Genetics, 2010, 6, e1001012.	3.5	41
48	Distinct Genetic Influences on Cortical and Subcortical Brain Structures. Scientific Reports, 2016, 6, 32760.	3.3	40
49	Changes in the plasma proteome at asymptomatic and symptomatic stages of autosomal dominant Alzheimerâ€™s disease. Scientific Reports, 2016, 6, 29078.	3.3	39
50	White Matter Hyperintensities Are Under Strong Genetic Influence. Stroke, 2016, 47, 1422-1428.	2.0	38
51	Genome-wide average DNA methylation is determined in utero. International Journal of Epidemiology, 2018, 47, 908-916.	1.9	38
52	A genome-wide association scan on estrogen receptor-negative breast cancer. Breast Cancer Research, 2010, 12, R93.	5.0	35
53	Differential blood miRNA expression in brain amyloid imaging-defined Alzheimerâ€™s disease and controls. Alzheimer's Research and Therapy, 2020, 12, 59.	6.2	35
54	Epigenome-wide meta-analysis of blood DNA methylation and its association with subcortical volumes: findings from the ENIGMA Epigenetics Working Group. Molecular Psychiatry, 2021, 26, 3884-3895.	7.9	34

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55	Genetic and environmental causes of variation in epigenetic aging across the lifespan. Clinical Epigenetics, 2020, 12, 158.	4.1	33
56	Genome-wide association study of circulating interleukin 6 levels identifies novel loci. Human Molecular Genetics, 2021, 30, 393-409.	2.9	32
57	Genome-wide association study of 23,500 individuals identifies 7 loci associated with brain ventricular volume. Nature Communications, 2018, 9, 3945.	12.8	31
58	Pathway-based analysis using reduced gene subsets in genome-wide association studies. BMC Bioinformatics, 2011, 12, 17.	2.6	30
59	Genetic and lifestyle risk factors for MRI-defined brain infarcts in a population-based setting. Neurology, 2019, 92, .	1.1	30
60	Differential expression of synaptic and interneuron genes in the aging human prefrontal cortex. Neurobiology of Aging, 2018, 70, 194-202.	3.1	28
61	Co-expression network analysis of peripheral blood transcriptome identifies dysregulated protein processing in endoplasmic reticulum and immune response in recurrent MDD in older adults. Journal of Psychiatric Research, 2018, 107, 19-27.	3.1	27
62	Differential gene expression in brain and peripheral tissues in depression across the life span: A review of replicated findings. Neuroscience and Biobehavioral Reviews, 2016, 71, 281-293.	6.1	26
63	A Meta-Analysis of Genome-Wide Association Studies of Growth Differentiation Factor-15 Concentration in Blood. Frontiers in Genetics, 2018, 9, 97.	2.3	26
64	Combining schizophrenia and depression polygenic risk scores improves the genetic prediction of lithium response in bipolar disorder patients. Translational Psychiatry, 2021, 11, 606.	4.8	25
65	1q21.1 distal copy number variants are associated with cerebral and cognitive alterations in humans. Translational Psychiatry, 2021, 11, 182.	4.8	24
66	Genome-wide interaction study with major depression identifies novel variants associated with cognitive function. Molecular Psychiatry, 2022, 27, 1111-1119.	7.9	24
67	The contribution of twins to the study of cognitive ageing and dementia: The Older Australian Twins Study. International Review of Psychiatry, 2013, 25, 738-747.	2.8	23
68	Genetic influence on ageing-related changes in resting-state brain functional networks in healthy adults: A systematic review. Neuroscience and Biobehavioral Reviews, 2020, 113, 98-110.	6.1	23
69	A Comprehensive Association Analysis of Homocysteine Metabolic Pathway Genes in Singaporean Chinese with Ischemic Stroke. PLoS ONE, 2011, 6, e24757.	2.5	21
70	Associations between Alzheimerâ€™s disease polygenic risk scores and hippocampal subfield volumes in 17,161 UK Biobank participants. Neurobiology of Aging, 2021, 98, 108-115.	3.1	21
71	Genome-wide significant results identified for plasma apolipoprotein H levels in middle-aged and older adults. Scientific Reports, 2016, 6, 23675.	3.3	20
72	DNA Methylation in the Apolipoprotein-A1 Gene is Associated with Episodic Memory Performance in Healthy Older Individuals. Journal of Alzheimer's Disease, 2015, 44, 175-182.	2.6	19

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73	The relationship of cerebral microbleeds to cognition and incident dementia in non-demented older individuals. Brain Imaging and Behavior, 2019, 13, 750-761.	2.1	19
74	Plasma lipidomic biomarker analysis reveals distinct lipid changes in vascular dementia. Computational and Structural Biotechnology Journal, 2020, 18, 1613-1624.	4.1	19
75	Asymptotic distribution for epistatic tests in caseâ€“control studies. Genomics, 2011, 98, 145-151.	2.9	18
76	Molecular analysis of CHX10 and MFRP in Chinese subjects with primary angle closure glaucoma and short axial length eyes. Molecular Vision, 2008, 14, 1313-8.	1.1	18
77	Childhood maltreatment moderates the influence of genetic load for obesity on reward related brain structure and function in major depression. Psychoneuroendocrinology, 2019, 100, 18-26.	2.7	17
78	Toll-Like Receptor 3 Polymorphism rs3775291 Is Not Associated with Choroidal Neovascularization or Polypoidal Choroidal Vasculopathy in Chinese Subjects. Ophthalmic Research, 2011, 45, 191-196.	1.9	16
79	Global and Regional Development of the Human Cerebral Cortex: Molecular Architecture and Occupational Aptitudes. Cerebral Cortex, 2020, 30, 4121-4139.	2.9	16
80	The Relationship of Serum Macrophage Inhibitory Cytokine â€“ 1 Levels with Gray Matter Volumes in Community-Dwelling Older Individuals. PLoS ONE, 2015, 10, e0123399.	2.5	16
81	Genetics of hand grip strength in mid to late life. Age, 2015, 37, 9745.	3.0	15
82	Early life affects late-life health through determining DNA methylation across the lifespan: A twin study. EBioMedicine, 2022, 77, 103927.	6.1	15
83	Gene expression in the aging human brain. Current Opinion in Psychiatry, 2016, 29, 159-167.	6.3	14
84	Exon sequencing and association analysis of EPHX1 genetic variants with maintenance warfarin dose in a multiethnic Asian population. Pharmacogenetics and Genomics, 2011, 21, 35-41.	1.5	13
85	An inverse relationship between serum macrophage inhibitory cytokine-1 levels and brain white matter integrity in community-dwelling older individuals. Psychoneuroendocrinology, 2015, 62, 80-88.	2.7	13
86	Investigating the influence of KIBRA and CLSTN2 genetic polymorphisms on cross-sectional and longitudinal measures of memory performance and hippocampal volume in older individuals. Neuropsychologia, 2015, 78, 10-17.	1.6	12
87	Replication of GWAS identified miR-137 and its target gene polymorphisms in Schizophrenia of South Indian population and meta-analysis with Psychiatric Genomics Consortium. Schizophrenia Research, 2018, 199, 189-194.	2.0	12
88	Downregulated transferrin receptor in the blood predicts recurrent MDD in the elderly cohort: A fuzzy forests approach. Journal of Affective Disorders, 2020, 267, 42-48.	4.1	12
89	Using polygenic scores and clinical data for bipolar disorder patient stratification and lithium response prediction: machine learning approach. British Journal of Psychiatry, 2022, 220, 219-228.	2.8	11
90	Combined genotype and haplotype tests for region-based association studies. BMC Genomics, 2013, 14, 569.	2.8	10

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91	Apolipoprotein E Homozygous Îµ4 Allele Status: A Deteriorating Effect on Visuospatial Working Memory and Global Brain Structure. Frontiers in Neurology, 2019, 10, 552.	2.4	10
92	The many ages of man. Current Opinion in Psychiatry, 2019, 32, 130-137.	6.3	10
93	Exceptional Longevity and Polygenic Risk for Cardiovascular Health. Genes, 2019, 10, 227.	2.4	9
94	The influence of rs53576 polymorphism in the oxytocin receptor (OXTR) gene on empathy in healthy adults by subtype and ethnicity: a systematic review and meta-analysis. Reviews in the Neurosciences, 2022, 33, 43-57.	2.9	9
95	A comparison between microsatellite and single-nucleotide polymorphism markers with respect to two measures of information content. BMC Genetics, 2005, 6, S27.	2.7	8
96	Multi-platform segmentation for joint detection of copy number variants. Bioinformatics, 2011, 27, 1555-1561.	4.1	8
97	Investigating the Genetics of Hippocampal Volume in Older Adults without Dementia. PLoS ONE, 2015, 10, e0116920.	2.5	8
98	Incidental findings on cerebral MRI in twins: the Older Australian Twins Study. Brain Imaging and Behavior, 2018, 12, 860-869.	2.1	8
99	Genetics of Microstructure of the Corpus Callosum in Older Adults. PLoS ONE, 2014, 9, e113181.	2.5	8
100	Genetic and environmental determinants of variation in the plasma lipidome of older Australian twins. ELife, 2020, 9, .	6.0	8
101	Genetic factors and epigenetic mechanisms of longevity: current perspectives. Epigenomics, 2015, 7, 1339-1349.	2.1	7
102	The heritability of amyloid burden in older adults: the Older Australian Twins Study. Journal of Neurology, Neurosurgery and Psychiatry, 2022, 93, 303-308.	1.9	7
103	Tick tock: DNA methylation, the epigenetic clock and exceptional longevity. Epigenomics, 2016, 8, 1577-1582.	2.1	6
104	Genetic epidemiology of stuttering among school children in the state of Tamil Nadu, India. Journal of Fluency Disorders, 2018, 58, 11-21.	1.7	6
105	Does Antihypertensive Use Moderate the Effect of Blood Pressure on Cognitive Decline in Older People?. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, 76, 859-866.	3.6	6
106	Association tests for rare and common variants based on genotypic and phenotypic measures of similarity between individuals. BMC Proceedings, 2011, 5, S89.	1.6	5
107	The Prevalence of Mild Cognitive Impairment in Diverse Geographical and Ethnocultural Regions: The COSMIC Collaboration. PLoS ONE, 2015, 10, e0142388.	2.5	5
108	The relationship between voxel-based metrics of resting state functional connectivity and cognitive performance in cognitively healthy elderly adults. Brain Imaging and Behavior, 2018, 12, 1742-1758.	2.1	4

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109	Unraveling the genetic contributions to complex traits across different ethnic groups. Nature Medicine, 2020, 26, 467-469.	30.7	4
110	Investigating Olfactory Gene Variation and Odour Identification in Older Adults. Genes, 2021, 12, 669.	2.4	4
111	Difference in distribution functions: A new diffusion weighted imaging metric for estimating white matter integrity. NeuroImage, 2021, 240, 118381.	4.2	4
112	Comparison of similarity-based tests and pooling strategies for rare variants. BMC Genomics, 2013, 14, 50.	2.8	2
113	P2â€603: DETERMINANTS OF COGNITIVE PERFORMANCE AND DECLINE IN DIVERSE ETHNOâ€REGIONAL GROUPS: THE COSMIC COLLABORATION. Alzheimer's and Dementia, 2018, 14, P968.	0.8	2
114	Cerebral Blood Flow in Community-Based Older Twins Is Moderately Heritable: An Arterial Spin Labeling Perfusion Imaging Study. Frontiers in Aging Neuroscience, 2019, 11, 169.	3.4	2
115	Parental Life Span and Polygenic Risk Score of Longevity Are Associated With White Matter Hyperintensities. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2022, 77, 689-696.	3.6	2
116	A method to incorporate prior information into score test for genetic association studies. BMC Bioinformatics, 2014, 15, 24.	2.6	1
117	[P1â€“163]: THE HERITABILITY OF AMYLOID DEPOSITION IN THE BRAINS OF OLDER PEOPLE: THE OLDER AUSTRALIAN TWINS STUDY. Alzheimer's and Dementia, 2017, 13, P305.	0.8	0
118	O5â€04â€06: DIFFERENTIAL EXPRESSION OF SYNAPTIC AND INTERNEURON GENES IN THE AGING HUMAN PREFRONTAL CORTEX. Alzheimer's and Dementia, 2018, 14, P1654.	0.8	0
119	O3â€11â€03: AGEâ€DEPENDENT ASSOCIATION BETWEEN BODY MASS INDEX (BMI) AND COGNITIVE DECLINE IN DIVERSE ETHNOâ€REGIONAL GROUPS: THE COSMIC COLLABORATION. Alzheimer's and Dementia, 2018, 14, P1047.	0.8	0
120	P3â€594: RELATIONSHIP BETWEEN APOLIPOPROTEINâ€ε4 AND COGNITIVE DECLINE AND THE MODERATING EFFECTS OF AGE, SEX, AND ETHNICITY: THE COSMIC COLLABORATION. Alzheimer's and Dementia, 2018, 14, P1354.	0.8	0
121	A Common Deletion Polymorphism in the BIM Gene Contributes to Intrinsic Imatinib Resistance in Chronic Myelogenous Leukemia. Blood, 2011, 118, 1666-1666.	1.4	0
122	Abstract 1911: A common BIM polymorphism mediates intrinsic resistance and inferior responses to tyrosine kinase inhibitors in cancer. , 2012, , .		0