

Anbupalam Thalamuthu

List of Publications by Year in descending order

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Version: 2024-02-01

122
papers

10,002
citations

71061

41
h-index

45285

90
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136
all docs

136
docs citations

136
times ranked

16833
citing authors

#	ARTICLE	IF	CITATIONS
1	The influence of rs53576 polymorphism in the oxytocin receptor (<i>OXTR</i>) gene on empathy in healthy adults by subtype and ethnicity: a systematic review and meta-analysis. <i>Reviews in the Neurosciences</i> , 2022, 33, 43-57.	1.4	9
2	Parental Life Span and Polygenic Risk Score of Longevity Are Associated With White Matter Hyperintensities. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 689-696.	1.7	2
3	Genome-wide interaction study with major depression identifies novel variants associated with cognitive function. <i>Molecular Psychiatry</i> , 2022, 27, 1111-1119.	4.1	24
4	Using polygenic scores and clinical data for bipolar disorder patient stratification and lithium response prediction: machine learning approach. <i>British Journal of Psychiatry</i> , 2022, 220, 219-228.	1.7	11
5	Early life affects late-life health through determining DNA methylation across the lifespan: A twin study. <i>EBioMedicine</i> , 2022, 77, 103927.	2.7	15
6	Genetic variants associated with longitudinal changes in brain structure across the lifespan. <i>Nature Neuroscience</i> , 2022, 25, 421-432.	7.1	75
7	New insights into the genetic etiology of Alzheimer's disease and related dementias. <i>Nature Genetics</i> , 2022, 54, 412-436.	9.4	700
8	The heritability of amyloid burden in older adults: the Older Australian Twins Study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2022, 93, 303-308.	0.9	7
9	Epigenome-wide meta-analysis of blood DNA methylation and its association with subcortical volumes: findings from the ENIGMA Epigenetics Working Group. <i>Molecular Psychiatry</i> , 2021, 26, 3884-3895.	4.1	34
10	Brain structural abnormalities in obesity: relation to age, genetic risk, and common psychiatric disorders. <i>Molecular Psychiatry</i> , 2021, 26, 4839-4852.	4.1	76
11	Does Antihypertensive Use Moderate the Effect of Blood Pressure on Cognitive Decline in Older People?. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 859-866.	1.7	6
12	Associations between Alzheimer's disease polygenic risk scores and hippocampal subfield volumes in 17,161 UK Biobank participants. <i>Neurobiology of Aging</i> , 2021, 98, 108-115.	1.5	21
13	Genome-wide association study of circulating interleukin 6 levels identifies novel loci. <i>Human Molecular Genetics</i> , 2021, 30, 393-409.	1.4	32
14	1q21.1 distal copy number variants are associated with cerebral and cognitive alterations in humans. <i>Translational Psychiatry</i> , 2021, 11, 182.	2.4	24
15	Investigating Olfactory Gene Variation and Odour Identification in Older Adults. <i>Genes</i> , 2021, 12, 669.	1.0	4
16	Plasma lipidome is dysregulated in Alzheimer's disease and is associated with disease risk genes. <i>Translational Psychiatry</i> , 2021, 11, 344.	2.4	51
17	Difference in distribution functions: A new diffusion weighted imaging metric for estimating white matter integrity. <i>NeuroImage</i> , 2021, 240, 118381.	2.1	4
18	Combining schizophrenia and depression polygenic risk scores improves the genetic prediction of lithium response in bipolar disorder patients. <i>Translational Psychiatry</i> , 2021, 11, 606.	2.4	25

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19	Association of Copy Number Variation of the 15q11.2 BP1-BP2 Region With Cortical and Subcortical Morphology and Cognition. <i>JAMA Psychiatry</i> , 2020, 77, 420.	6.0	54
20	Genetic correlations and genome-wide associations of cortical structure in general population samples of 22,824 adults. <i>Nature Communications</i> , 2020, 11, 4796.	5.8	61
21	Risk prediction of late-onset Alzheimer's disease implies an oligogenic architecture. <i>Nature Communications</i> , 2020, 11, 4799.	5.8	110
22	Cerebral small vessel disease genomics and its implications across the lifespan. <i>Nature Communications</i> , 2020, 11, 6285.	5.8	89
23	Genetic and environmental causes of variation in epigenetic aging across the lifespan. <i>Clinical Epigenetics</i> , 2020, 12, 158.	1.8	33
24	Differential blood miRNA expression in brain amyloid imaging-defined Alzheimer's disease and controls. <i>Alzheimer's Research and Therapy</i> , 2020, 12, 59.	3.0	35
25	Plasma lipidomic biomarker analysis reveals distinct lipid changes in vascular dementia. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 1613-1624.	1.9	19
26	Common Genetic Variation Indicates Separate Causes for Periventricular and Deep White Matter Hypertensities. <i>Stroke</i> , 2020, 51, 2111-2121.	1.0	71
27	Genetic influence on ageing-related changes in resting-state brain functional networks in healthy adults: A systematic review. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 113, 98-110.	2.9	23
28	The genetic architecture of the human cerebral cortex. <i>Science</i> , 2020, 367, .	6.0	450
29	Global and Regional Development of the Human Cerebral Cortex: Molecular Architecture and Occupational Aptitudes. <i>Cerebral Cortex</i> , 2020, 30, 4121-4139.	1.6	16
30	Unraveling the genetic contributions to complex traits across different ethnic groups. <i>Nature Medicine</i> , 2020, 26, 467-469.	15.2	4
31	Downregulated transferrin receptor in the blood predicts recurrent MDD in the elderly cohort: A fuzzy forests approach. <i>Journal of Affective Disorders</i> , 2020, 267, 42-48.	2.0	12
32	Genetic and environmental determinants of variation in the plasma lipidome of older Australian twins. <i>ELife</i> , 2020, 9, .	2.8	8
33	The relationship of cerebral microbleeds to cognition and incident dementia in non-demented older individuals. <i>Brain Imaging and Behavior</i> , 2019, 13, 750-761.	1.1	19
34	Cerebral Blood Flow in Community-Based Older Twins Is Moderately Heritable: An Arterial Spin Labeling Perfusion Imaging Study. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 169.	1.7	2
35	Determinants of cognitive performance and decline in 20 diverse ethno-regional groups: A COSMIC collaboration cohort study. <i>PLoS Medicine</i> , 2019, 16, e1002853.	3.9	86
36	Apolipoprotein E Homozygous $\epsilon\mu 4$ Allele Status: A Deteriorating Effect on Visuospatial Working Memory and Global Brain Structure. <i>Frontiers in Neurology</i> , 2019, 10, 552.	1.1	10

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37	Exceptional Longevity and Polygenic Risk for Cardiovascular Health. <i>Genes</i> , 2019, 10, 227.	1.0	9
38	The many ages of man. <i>Current Opinion in Psychiatry</i> , 2019, 32, 130-137.	3.1	10
39	Genetic architecture of subcortical brain structures in 38,851 individuals. <i>Nature Genetics</i> , 2019, 51, 1624-1636.	9.4	192
40	Genetic and lifestyle risk factors for MRI-defined brain infarcts in a population-based setting. <i>Neurology</i> , 2019, 92, .	1.5	30
41	Childhood maltreatment moderates the influence of genetic load for obesity on reward related brain structure and function in major depression. <i>Psychoneuroendocrinology</i> , 2019, 100, 18-26.	1.3	17
42	The relationship between voxel-based metrics of resting state functional connectivity and cognitive performance in cognitively healthy elderly adults. <i>Brain Imaging and Behavior</i> , 2018, 12, 1742-1758.	1.1	4
43	Replication of GWAS identified miR-137 and its target gene polymorphisms in Schizophrenia of South Indian population and meta-analysis with Psychiatric Genomics Consortium. <i>Schizophrenia Research</i> , 2018, 199, 189-194.	1.1	12
44	Incidental findings on cerebral MRI in twins: the Older Australian Twins Study. <i>Brain Imaging and Behavior</i> , 2018, 12, 860-869.	1.1	8
45	P2â€™03: DETERMINANTS OF COGNITIVE PERFORMANCE AND DECLINE IN DIVERSE ETHNOâ€™REGIONAL GROUPS: THE COSMIC COLLABORATION. <i>Alzheimer's and Dementia</i> , 2018, 14, P968.	0.4	2
46	O5â€™04â€™06: DIFFERENTIAL EXPRESSION OF SYNAPTIC AND INTERNEURON GENES IN THE AGING HUMAN PREFRONTAL CORTEX. <i>Alzheimer's and Dementia</i> , 2018, 14, P1654.	0.4	0
47	O3â€™11â€™03: AGEâ€™DEPENDENT ASSOCIATION BETWEEN BODY MASS INDEX (BMI) AND COGNITIVE DECLINE IN DIVERSE ETHNOâ€™REGIONAL GROUPS: THE COSMIC COLLABORATION. <i>Alzheimer's and Dementia</i> , 2018, 14, P1047.	0.4	0
48	P3â€™594: RELATIONSHIP BETWEEN APOLIPOPROTEINâ€™4 AND COGNITIVE DECLINE AND THE MODERATING EFFECTS OF AGE, SEX, AND ETHNICITY: THE COSMIC COLLABORATION. <i>Alzheimer's and Dementia</i> , 2018, 14, P1354.	0.4	0
49	Genome-wide association study of 23,500 individuals identifies 7 loci associated with brain ventricular volume. <i>Nature Communications</i> , 2018, 9, 3945.	5.8	31
50	Co-expression network analysis of peripheral blood transcriptome identifies dysregulated protein processing in endoplasmic reticulum and immune response in recurrent MDD in older adults. <i>Journal of Psychiatric Research</i> , 2018, 107, 19-27.	1.5	27
51	Genetic epidemiology of stuttering among school children in the state of Tamil Nadu, India. <i>Journal of Fluency Disorders</i> , 2018, 58, 11-21.	0.7	6
52	Genome-wide average DNA methylation is determined in utero. <i>International Journal of Epidemiology</i> , 2018, 47, 908-916.	0.9	38
53	Study of 300,486 individuals identifies 148 independent genetic loci influencing general cognitive function. <i>Nature Communications</i> , 2018, 9, 2098.	5.8	484
54	A Meta-Analysis of Genome-Wide Association Studies of Growth Differentiation Factor-15 Concentration in Blood. <i>Frontiers in Genetics</i> , 2018, 9, 97.	1.1	26

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55	Differential expression of synaptic and interneuron genes in the aging human prefrontal cortex. <i>Neurobiology of Aging</i> , 2018, 70, 194-202.	1.5	28
56	Review and meta-analysis of genetic polymorphisms associated with exceptional human longevity. <i>Mechanisms of Ageing and Development</i> , 2018, 175, 24-34.	2.2	71
57	Novel genetic loci associated with hippocampal volume. <i>Nature Communications</i> , 2017, 8, 13624.	5.8	250
58	Ageing, exceptional longevity and comparisons of the Hannum and Horvath epigenetic clocks. <i>Epigenomics</i> , 2017, 9, 689-700.	1.0	73
59	Prefrontal gray matter volume mediates genetic risks for obesity. <i>Molecular Psychiatry</i> , 2017, 22, 703-710.	4.1	66
60	The independent influences of age and education on functional brain networks and cognition in healthy older adults. <i>Human Brain Mapping</i> , 2017, 38, 5094-5114.	1.9	49
61	Large-scale GWAS identifies multiple loci for hand grip strength providing biological insights into muscular fitness. <i>Nature Communications</i> , 2017, 8, 16015.	5.8	149
62	[P1â€“163]: THE HERITABILITY OF AMYLOID DEPOSITION IN THE BRAINS OF OLDER PEOPLE: THE OLDER AUSTRALIAN TWINS STUDY. <i>Alzheimer's and Dementia</i> , 2017, 13, P305.	0.4	0
63	Genetic influences on individual differences in longitudinal changes in global and subcortical brain volumes: Results of the ENIGMA plasticity working group. <i>Human Brain Mapping</i> , 2017, 38, 4444-4458.	1.9	51
64	Age-related cognitive decline and associations with sex, education and apolipoprotein E genotype across ethnocultural groups and geographic regions: a collaborative cohort study. <i>PLoS Medicine</i> , 2017, 14, e1002261.	3.9	120
65	Gene expression in the aging human brain. <i>Current Opinion in Psychiatry</i> , 2016, 29, 159-167.	3.1	14
66	White Matter Hyperintensities Are Under Strong Genetic Influence. <i>Stroke</i> , 2016, 47, 1422-1428.	1.0	38
67	Novel genetic loci underlying human intracranial volume identified through genome-wide association. <i>Nature Neuroscience</i> , 2016, 19, 1569-1582.	7.1	213
68	Differential gene expression in brain and peripheral tissues in depression across the life span: A review of replicated findings. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 71, 281-293.	2.9	26
69	Changes in the plasma proteome at asymptomatic and symptomatic stages of autosomal dominant Alzheimerâ€™s disease. <i>Scientific Reports</i> , 2016, 6, 29078.	1.6	39
70	Tick tock: DNA methylation, the epigenetic clock and exceptional longevity. <i>Epigenomics</i> , 2016, 8, 1577-1582.	1.0	6
71	Distinct Genetic Influences on Cortical and Subcortical Brain Structures. <i>Scientific Reports</i> , 2016, 6, 32760.	1.6	40
72	Genome-wide significant results identified for plasma apolipoprotein H levels in middle-aged and older adults. <i>Scientific Reports</i> , 2016, 6, 23675.	1.6	20

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73	The effect of increased genetic risk for Alzheimer's disease on hippocampal and amygdala volume. <i>Neurobiology of Aging</i> , 2016, 40, 68-77.	1.5	115
74	Genetic influences on schizophrenia and subcortical brain volumes: large-scale proof of concept. <i>Nature Neuroscience</i> , 2016, 19, 420-431.	7.1	204
75	Circulating microRNAs as Biomarkers of Alzheimer's Disease: A Systematic Review. <i>Journal of Alzheimer's Disease</i> , 2015, 49, 755-766.	1.2	85
76	DNA Methylation in the Apolipoprotein-A1 Gene is Associated with Episodic Memory Performance in Healthy Older Individuals. <i>Journal of Alzheimer's Disease</i> , 2015, 44, 175-182.	1.2	19
77	Investigating the Genetics of Hippocampal Volume in Older Adults without Dementia. <i>PLoS ONE</i> , 2015, 10, e0116920.	1.1	8
78	The Prevalence of Mild Cognitive Impairment in Diverse Geographical and Ethnocultural Regions: The COSMIC Collaboration. <i>PLoS ONE</i> , 2015, 10, e0142388.	1.1	225
79	An inverse relationship between serum macrophage inhibitory cytokine-1 levels and brain white matter integrity in community-dwelling older individuals. <i>Psychoneuroendocrinology</i> , 2015, 62, 80-88.	1.3	13
80	Genetic factors and epigenetic mechanisms of longevity: current perspectives. <i>Epigenomics</i> , 2015, 7, 1339-1349.	1.0	7
81	Genetics of hand grip strength in mid to late life. <i>Age</i> , 2015, 37, 9745.	3.0	15
82	Common genetic variants influence human subcortical brain structures. <i>Nature</i> , 2015, 520, 224-229.	13.7	772
83	Genetic contributions to variation in general cognitive function: a meta-analysis of genome-wide association studies in the CHARGE consortium (N=53,949). <i>Molecular Psychiatry</i> , 2015, 20, 183-192.	4.1	344
84	The organisation of the elderly connectome. <i>NeuroImage</i> , 2015, 114, 414-426.	2.1	62
85	Investigating the influence of KIBRA and CLSTN2 genetic polymorphisms on cross-sectional and longitudinal measures of memory performance and hippocampal volume in older individuals. <i>Neuropsychologia</i> , 2015, 78, 10-17.	0.7	12
86	The Prevalence of Mild Cognitive Impairment in Diverse Geographical and Ethnocultural Regions: The COSMIC Collaboration. <i>PLoS ONE</i> , 2015, 10, e0142388.	1.1	5
87	The Relationship of Serum Macrophage Inhibitory Cytokine-1 Levels with Gray Matter Volumes in Community-Dwelling Older Individuals. <i>PLoS ONE</i> , 2015, 10, e0123399.	1.1	16
88	A method to incorporate prior information into score test for genetic association studies. <i>BMC Bioinformatics</i> , 2014, 15, 24.	1.2	1
89	The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. <i>Brain Imaging and Behavior</i> , 2014, 8, 153-182.	1.1	696
90	Genetics of Microstructure of the Corpus Callosum in Older Adults. <i>PLoS ONE</i> , 2014, 9, e113181.	1.1	8

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91	Comparison of similarity-based tests and pooling strategies for rare variants. BMC Genomics, 2013, 14, 50.	1.2	2
92	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.	1.3	63
93	Combined genotype and haplotype tests for region-based association studies. BMC Genomics, 2013, 14, 569.	1.2	10
94	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.	1.4	23
95	Large-Scale Functional Organization of Long-Range Chromatin Interaction Networks. Cell Reports, 2012, 2, 1207-1219.	2.9	102
96	A common BIM deletion polymorphism mediates intrinsic resistance and inferior responses to tyrosine kinase inhibitors in cancer. Nature Medicine, 2012, 18, 521-528.	15.2	510
97	Abstract 1911: A common BIM polymorphism mediates intrinsic resistance and inferior responses to tyrosine kinase inhibitors in cancer. , 2012, , .		0
98	Asymptotic distribution for epistatic tests in case-control studies. Genomics, 2011, 98, 145-151.	1.3	18
99	The Heritability and Sibling Risk of Angle Closure in Asians. Ophthalmology, 2011, 118, 480-485.	2.5	69
100	Association of <i>TCF4</i> Gene Polymorphisms with Fuchs' Corneal Dystrophy in the Chinese. , 2011, 52, 5573.		51
101	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.	1.1	55
102	A Comprehensive Association Analysis of Homocysteine Metabolic Pathway Genes in Singaporean Chinese with Ischemic Stroke. PLoS ONE, 2011, 6, e24757.	1.1	21
103	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.	0.7	13
104	A combined analysis of genome-wide association studies in breast cancer. Breast Cancer Research and Treatment, 2011, 126, 717-727.	1.1	90
105	Association tests for rare and common variants based on genotypic and phenotypic measures of similarity between individuals. BMC Proceedings, 2011, 5, S89.	1.8	5
106	Pathway-based analysis using reduced gene subsets in genome-wide association studies. BMC Bioinformatics, 2011, 12, 17.	1.2	30
107	Multi-platform segmentation for joint detection of copy number variants. Bioinformatics, 2011, 27, 1555-1561.	1.8	8
108	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.	1.0	16

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109	A genome-wide association study of hepatitis B vaccine response in an Indonesian population reveals multiple independent risk variants in the HLA region. <i>Human Molecular Genetics</i> , 2011, 20, 3893-3898.	1.4	113
110	A Common Deletion Polymorphism in the BIM Gene Contributes to Intrinsic Imatinib Resistance in Chronic Myelogenous Leukemia. <i>Blood</i> , 2011, 118, 1666-1666.	0.6	0
111	Association tests using kernel-based measures of multi-locus genotype similarity between individuals. <i>Genetic Epidemiology</i> , 2010, 34, 213-221.	0.6	69
112	Multi-Variant Pathway Association Analysis Reveals the Importance of Genetic Determinants of Estrogen Metabolism in Breast and Endometrial Cancer Susceptibility. <i>PLoS Genetics</i> , 2010, 6, e1001012.	1.5	41
113	A genome-wide association scan on estrogen receptor-negative breast cancer. <i>Breast Cancer Research</i> , 2010, 12, R93.	2.2	35
114	A Genome-Wide Association Study Identifies Novel and Functionally Related Susceptibility Loci for Kawasaki Disease. <i>PLoS Genetics</i> , 2009, 5, e1000319.	1.5	234
115	Association of LOXL1 polymorphisms with pseudoexfoliation in the Chinese. <i>Molecular Vision</i> , 2009, 15, 1120-6.	1.1	46
116	Association Analysis of CFH, C2, BF, and HTRA1 Gene Polymorphisms in Chinese Patients with Polypoidal Choroidal Vasculopathy. , 2008, 49, 2613.		105
117	Association of LOXL1 Gene Polymorphisms with Pseudoexfoliation in the Japanese. , 2008, 49, 3976.		95
118	Molecular analysis of CHX10 and MFRP in Chinese subjects with primary angle closure glaucoma and short axial length eyes. <i>Molecular Vision</i> , 2008, 14, 1313-8.	1.1	18
119	TRAF1 as a Risk Locus for Rheumatoid Arthritis – A Genomewide Study. <i>New England Journal of Medicine</i> , 2007, 357, 1199-1209.	13.9	729
120	Evaluation and comparison of gene clustering methods in microarray analysis. <i>Bioinformatics</i> , 2006, 22, 2405-2412.	1.8	256
121	A comparison between microsatellite and single-nucleotide polymorphism markers with respect to two measures of information content. <i>BMC Genetics</i> , 2005, 6, S27.	2.7	8
122	Candidate gene analysis suggests a role for fatty acid biosynthesis and regulation of the complement system in the etiology of age-related maculopathy. <i>Human Molecular Genetics</i> , 2005, 14, 1991-2002.	1.4	143