# Anbupalam Thalamuthu

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | 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 |
| 2 | 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 |
| 3 | Genome-wide interaction study with major depression identifies novel variants associated with cognitive function. Molecular Psychiatry, 2022, 27, 1111-1119. | 7.9 | 24 |
| 4 | 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 |
| 5 | Early life affects late-life health through determining DNA methylation across the lifespan: A twin study. EBioMedicine, 2022, 77, 103927. | 6.1 | 15 |
| 6 | Genetic variants associated with longitudinal changes in brain structure across the lifespan. Nature Neuroscience, 2022, 25, 421-432. | 14.8 | 75 |
| 7 | New insights into the genetic etiology of Alzheimerâ€™s disease and related dementias. Nature Genetics, 2022, 54, 412-436. | 21.4 | 700 |
| 8 | 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 |
| 9 | 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 |
| 10 | Brain structural abnormalities in obesity: relation to age, genetic risk, and common psychiatric disorders. Molecular Psychiatry, 2021, 26, 4839-4852. | 7.9 | 76 |
| 11 | 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 |
| 12 | 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 |
| 13 | Genome-wide association study of circulating interleukin 6 levels identifies novel loci. Human Molecular Genetics, 2021, 30, 393-409. | 2.9 | 32 |
| 14 | 1q21.1 distal copy number variants are associated with cerebral and cognitive alterations in humans. Translational Psychiatry, 2021, 11, 182. | 4.8 | 24 |
| 15 | Investigating Olfactory Gene Variation and Odour Identification in Older Adults. Genes, 2021, 12, 669. | 2.4 | 4 |
| 16 | Plasma lipidome is dysregulated in Alzheimerâ€™s disease and is associated with disease risk genes. Translational Psychiatry, 2021, 11, 344. | 4.8 | 51 |
| 17 | Difference in distribution functions: A new diffusion weighted imaging metric for estimating white matter integrity. NeuroImage, 2021, 240, 118381. | 4.2 | 4 |
| 18 | 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 |

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|---|---|---|---|
| 19 | 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 |
| 20 | 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 |
| 21 | Risk prediction of late-onset Alzheimerâ€™s disease implies an oligogenic architecture. Nature Communications, 2020, 11, 4799. | 12.8 | 110 |
| 22 | Cerebral small vessel disease genomics and its implications across the lifespan. Nature Communications, 2020, 11, 6285. | 12.8 | 89 |
| 23 | Genetic and environmental causes of variation in epigenetic aging across the lifespan. Clinical Epigenetics, 2020, 12, 158. | 4.1 | 33 |
| 24 | 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 |
| 25 | Plasma lipidomic biomarker analysis reveals distinct lipid changes in vascular dementia. Computational and Structural Biotechnology Journal, 2020, 18, 1613-1624. | 4.1 | 19 |
| 26 | Common Genetic Variation Indicates Separate Causes for Periventricular and Deep White Matter Hyperintensities. Stroke, 2020, 51, 2111-2121. | 2.0 | 71 |
| 27 | 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 |
| 28 | The genetic architecture of the human cerebral cortex. Science, 2020, 367, . | 12.6 | 450 |
| 29 | Global and Regional Development of the Human Cerebral Cortex: Molecular Architecture and Occupational Aptitudes. Cerebral Cortex, 2020, 30, 4121-4139. | 2.9 | 16 |
| 30 | Unraveling the genetic contributions to complex traits across different ethnic groups. Nature Medicine, 2020, 26, 467-469. | 30.7 | 4 |
| 31 | 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 |
| 32 | Genetic and environmental determinants of variation in the plasma lipidome of older Australian twins. ELife, 2020, 9, . | 6.0 | 8 |
| 33 | 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 |
| 34 | 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 |
| 35 | 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 |
| 36 | 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 |

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|---|---|---|---|
| 37 | Exceptional Longevity and Polygenic Risk for Cardiovascular Health. Genes, 2019, 10, 227. | 2.4 | 9 |
| 38 | The many ages of man. Current Opinion in Psychiatry, 2019, 32, 130-137. | 6.3 | 10 |
| 39 | Genetic architecture of subcortical brain structures in 38,851 individuals. Nature Genetics, 2019, 51, 1624-1636. | 21.4 | 192 |
| 40 | Genetic and lifestyle risk factors for MRI-defined brain infarcts in a population-based setting. Neurology, 2019, 92, . | 1.1 | 30 |
| 41 | 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 |
| 42 | 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 |
| 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. Schizophrenia Research, 2018, 199, 189-194. | 2.0 | 12 |
| 44 | Incidental findings on cerebral MRI in twins: the Older Australian Twins Study. Brain Imaging and Behavior, 2018, 12, 860-869. | 2.1 | 8 |
| 45 | 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 |
| 46 | 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 |
| 47 | 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 |
| 48 | P3â€594: RELATIONSHIP BETWEEN APOLIPOPROTEINâ€Ĺ4 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 |
| 49 | Genome-wide association study of 23,500 individuals identifies 7 loci associated with brain ventricular volume. Nature Communications, 2018, 9, 3945. | 12.8 | 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. Journal of Psychiatric Research, 2018, 107, 19-27. | 3.1 | 27 |
| 51 | 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 |
| 52 | Genome-wide average DNA methylation is determined in utero. International Journal of Epidemiology, 2018, 47, 908-916. | 1.9 | 38 |
| 53 | Study of 300,486 individuals identifies 148 independent genetic loci influencing general cognitive function. Nature Communications, 2018, 9, 2098. | 12.8 | 484 |
| 54 | 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 |

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|---|---|---|---|
| 55 | Differential expression of synaptic and interneuron genes in the aging human prefrontal cortex. Neurobiology of Aging, 2018, 70, 194-202. | 3.1 | 28 |
| 56 | Review and meta-analysis of genetic polymorphisms associated with exceptional human longevity. Mechanisms of Ageing and Development, 2018, 175, 24-34. | 4.6 | 71 |
| 57 | Novel genetic loci associated with hippocampal volume. Nature Communications, 2017, 8, 13624. | 12.8 | 250 |
| 58 | Aging, exceptional longevity and comparisons of the Hannum and Horvath epigenetic clocks. Epigenomics, 2017, 9, 689-700. | 2.1 | 73 |
| 59 | Prefrontal gray matter volume mediates genetic risks for obesity. Molecular Psychiatry, 2017, 22, 703-710. | 7.9 | 66 |
| 60 | 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 |
| 61 | Large-scale GWAS identifies multiple loci for hand grip strength providing biological insights into muscular fitness. Nature Communications, 2017, 8, 16015. | 12.8 | 149 |
| 62 | [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 |
| 63 | 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 |
| 64 | 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 |
| 65 | Gene expression in the aging human brain. Current Opinion in Psychiatry, 2016, 29, 159-167. | 6.3 | 14 |
| 66 | White Matter Hyperintensities Are Under Strong Genetic Influence. Stroke, 2016, 47, 1422-1428. | 2.0 | 38 |
| 67 | Novel genetic loci underlying human intracranial volume identified through genome-wide association. Nature Neuroscience, 2016, 19, 1569-1582. | 14.8 | 213 |
| 68 | 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 |
| 69 | Changes in the plasma proteome at asymptomatic and symptomatic stages of autosomal dominant Alzheimerâ€™s disease. Scientific Reports, 2016, 6, 29078. | 3.3 | 39 |
| 70 | Tick tock: DNA methylation, the epigenetic clock and exceptional longevity. Epigenomics, 2016, 8, 1577-1582. | 2.1 | 6 |
| 71 | Distinct Genetic Influences on Cortical and Subcortical Brain Structures. Scientific Reports, 2016, 6, 32760. | 3.3 | 40 |
| 72 | Genome-wide significant results identified for plasma apolipoprotein H levels in middle-aged and older adults. Scientific Reports, 2016, 6, 23675. | 3.3 | 20 |

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|---|---|---|---|
| 73 | 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 |
| 74 | Genetic influences on schizophrenia and subcortical brain volumes: large-scale proof of concept. Nature Neuroscience, 2016, 19, 420-431. | 14.8 | 204 |
| 75 | Circulating microRNAs as Biomarkers of Alzheimerâ€™s Disease: A Systematic Review. Journal of Alzheimer's Disease, 2015, 49, 755-766. | 2.6 | 85 |
| 76 | 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 |
| 77 | Investigating the Genetics of Hippocampal Volume in Older Adults without Dementia. PLoS ONE, 2015, 10, e0116920. | 2.5 | 8 |
| 78 | The Prevalence of Mild Cognitive Impairment in Diverse Geographical and Ethnocultural Regions: The COSMIC Collaboration. PLoS ONE, 2015, 10, e0142388. | 2.5 | 225 |
| 79 | 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 |
| 80 | Genetic factors and epigenetic mechanisms of longevity: current perspectives. Epigenomics, 2015, 7, 1339-1349. | 2.1 | 7 |
| 81 | Genetics of hand grip strength in mid to late life. Age, 2015, 37, 9745. | 3.0 | 15 |
| 82 | Common genetic variants influence human subcortical brain structures. Nature, 2015, 520, 224-229. | 27.8 | 772 |
| 83 | 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 |
| 84 | The organisation of the elderly connectome. NeuroImage, 2015, 114, 414-426. | 4.2 | 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. Neuropsychologia, 2015, 78, 10-17. | 1.6 | 12 |
| 86 | The Prevalence of Mild Cognitive Impairment in Diverse Geographical and Ethnocultural Regions: The COSMIC Collaboration. PLoS ONE, 2015, 10, e0142388. | 2.5 | 5 |
| 87 | 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 |
| 88 | A method to incorporate prior information into score test for genetic association studies. BMC Bioinformatics, 2014, 15, 24. | 2.6 | 1 |
| 89 | The ENIGMA Consortium: large-scale collaborative analyses of neuroimaging and genetic data. Brain Imaging and Behavior, 2014, 8, 153-182. | 2.1 | 696 |
| 90 | Genetics of Microstructure of the Corpus Callosum in Older Adults. PLoS ONE, 2014, 9, e113181. | 2.5 | 8 |

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|---|---|---|---|
| 91 | Comparison of similarity-based tests and pooling strategies for rare variants. BMC Genomics, 2013, 14, 50. | 2.8 | 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. | 2.9 | 63 |
| 93 | Combined genotype and haplotype tests for region-based association studies. BMC Genomics, 2013, 14, 569. | 2.8 | 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. | 2.8 | 23 |
| 95 | Large-Scale Functional Organization of Long-Range Chromatin Interaction Networks. Cell Reports, 2012, 2, 1207-1219. | 6.4 | 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. | 30.7 | 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 caseâ€“control studies. Genomics, 2011, 98, 145-151. | 2.9 | 18 |
| 99 | The Heritability and Sibling Risk of Angle Closure in Asians. Ophthalmology, 2011, 118, 480-485. | 5.2 | 69 |
| 100 | Association ofTCF4Gene 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. | 2.5 | 55 |
| 102 | A Comprehensive Association Analysis of Homocysteine Metabolic Pathway Genes in Singaporean Chinese with Ischemic Stroke. PLoS ONE, 2011, 6, e24757. | 2.5 | 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. | 1.5 | 13 |
| 104 | A combined analysis of genome-wide association studies in breast cancer. Breast Cancer Research and Treatment, 2011, 126, 717-727. | 2.5 | 90 |
| 105 | Association tests for rare and common variants based on genotypic and phenotypic measures of similarity between individuals. BMC Proceedings, 2011, 5, S89. | 1.6 | 5 |
| 106 | Pathway-based analysis using reduced gene subsets in genome-wide association studies. BMC Bioinformatics, 2011, 12, 17. | 2.6 | 30 |
| 107 | Multi-platform segmentation for joint detection of copy number variants. Bioinformatics, 2011, 27, 1555-1561. | 4.1 | 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. | 1.9 | 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. Human Molecular Genetics, 2011, 20, 3893-3898. | 2.9 | 113 |
| 110 | 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 |
| 111 | Association tests using kernelâ€based measures of multiâ€locus genotype similarity between individuals. Genetic Epidemiology, 2010, 34, 213-221. | 1.3 | 69 |
| 112 | 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 |
| 113 | A genome-wide association scan on estrogen receptor-negative breast cancer. Breast Cancer Research, 2010, 12, R93. | 5.0 | 35 |
| 114 | A Genome-Wide Association Study Identifies Novel and Functionally Related Susceptibility Loci for Kawasaki Disease. PLoS Genetics, 2009, 5, e1000319. | 3.5 | 234 |
| 115 | Association of LOXL1 polymorphisms with pseudoexfoliation in the Chinese. Molecular Vision, 2009, 15, 1120-6. | 1.1 | 46 |
| 116 | Association Analysis ofCFH,C2,BF, andHTRA1Gene Polymorphisms in Chinese Patients with Polypoidal Choroidal Vasculopathy. , 2008, 49, 2613. | | 105 |
| 117 | Association ofLOXL1Gene 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. Molecular Vision, 2008, 14, 1313-8. | 1.1 | 18 |
| 119 | TRAF1â€“C5as a Risk Locus for Rheumatoid Arthritis â€” A Genomewide Study. New England Journal of Medicine, 2007, 357, 1199-1209. | 27.0 | 729 |
| 120 | Evaluation and comparison of gene clustering methods in microarray analysis. Bioinformatics, 2006, 22, 2405-2412. | 4.1 | 256 |
| 121 | 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 |
| 122 | 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 |