CITATION REPORT
List of articles citing

Mitochondrial dysfunction and immune activation are detectable in early Alzheimer's disease blood

#	Paper	IF	Citations
133	Longitudinal characterization of the brain proteomes for the tg2576 amyloid mouse model using shotgun based mass spectrometry. **2012**, 11, 6159-74		22
132	Plasma based markers of [11C] PiB-PET brain amyloid burden. **2012**, 7, e44260		64
131	Is mitochondrial DNA content a potential biomarker of mitochondrial dysfunction?. **2013**, 13, 481-92		273
130	A deficiency in CCR2+ monocytes: the hidden side of Alzheimer's disease. **2013**, 5, 284-93		74
129	Molecular basis of etiological implications in Alzheimer's disease: focus on neuroinflammation. *Molecular Neurobiology*, **2013**, 48, 412-28	6.2	61
128	PPAR agonists as therapeutics for CNS trauma and neurological diseases. **2013**, 5, e00129		63
127	Epigenetic studies in Alzheimer's disease: current findings, caveats, and considerations for future studies. **2013**, 162B, 789-99		58
126	A blood gene expression marker of early Alzheimer's disease. *Journal of Alzheimer's Disease*, **2013**, 33, 737-53	4.3	60
125	Characteristic transformation of blood transcriptome in Alzheimer's disease. *Journal of Alzheimer's Disease*, **2013**, 35, 373-86	4.3	31
124	Identifying early inflammatory changes in monocyte-derived macrophages from a population with IQ-discrepant episodic memory. **2013**, 8, e63194		6
123	Differential expression of the nuclear-encoded mitochondrial transcriptome in pediatric septic shock. **2014**, 18, 623		19
122	The mitochondrial epigenome: a role in Alzheimer's disease?. **2014**, 6, 665-75		30
121	Functional analysis of differential mRNAs in cancer peripheral blood: reflection of population shifts in myeloid-origin and lymphoid-origin cells. **2014**,		
120	Determination of small molecule ABAD inhibitors crossing blood-brain barrier and pharmacokinetics. *Journal of Alzheimer's Disease*, **2014**, 42, 333-44	4.3	8
119	Distinctive RNA expression profiles in blood associated with Alzheimer disease after accounting for white matter hyperintensities. **2014**, 28, 226-33		31
118	The future of blood-based biomarkers for Alzheimer's disease. *Alzheimer's and Dementia*, **2014**, 10, 115-31		196
117	Inflammation and programmed cell death in Alzheimer's disease: comparison of the central nervous system and peripheral blood. *Molecular Neurobiology*, **2014**, 50, 463-72	6.2	10

116 — Methylomic profiling implicates cortical deregulation of ANK1 in Alzheimer's disease. **2014**, 17, 1164-70 — 356

115 — Alzheimer's disease susceptibility variants in the MS4A6A gene are associated with altered levels of MS4A6A expression in blood. **2014**, 35, 279-90 — 38

114 — Structure based design, synthesis, pharmacophore modeling, virtual screening, and molecular docking studies for identification of novel cyclophilin D inhibitors. **2014**, 54, 902-12 — 51

113 — No Evidence to Suggest that the Use of Acetylcholinesterase Inhibitors Confounds the Results of Two Blood-Based Biomarker Studies in Alzheimer's Disease. *Journal of Alzheimer's Disease*, **2015**, 47, 741-50 — 4.3 — 2

112 — Blood Protein Markers of Neocortical Amyloid-β Burden: A Candidate Study Using SOMAscan Technology. *Journal of Alzheimer's Disease*, **2015**, 46, 947-61 — 4.3 — 40

111 — A comparison of mitochondrial DNA isolation methods in frozen post-mortem human brain tissue--applications for studies of mitochondrial genetics in brain disorders. **2015**, 59, 241-2, 244-6 — 14

110 — Increased Acetylation of Histone H4 at Lysine 12 (H4K12) in Monocytes of Transgenic Alzheimer's Mice and in Human Patients. **2015**, 12, 752-60 — 29

109 — A Pathway Based Classification Method for Analyzing Gene Expression for Alzheimer's Disease Diagnosis. *Journal of Alzheimer's Disease*, **2016**, 49, 659-69 — 4.3 — 26

108 — Immunological Response to Single Pathogen Challenge with Agents of the Bovine Respiratory Disease Complex: An RNA-Sequence Analysis of the Bronchial Lymph Node Transcriptome. **2015**, 10, e0131459 — 33

107 — Recent Progress in the Identification of Non-Invasive Biomarkers to Support the Diagnosis of Alzheimer's Disease in Clinical Practice and to Assist Human Clinical Trials. **2015**, — 0

106 — High-intensity interval exercise and cerebrovascular health: curiosity, cause, and consequence. **2015**, 35, 902-11 — 113

105 — Identifying Aβ specific pathogenic mechanisms using a nematode model of Alzheimer's disease. **2015**, 36, 857-66 — 15

104 — Plasma lipidomics analysis finds long chain cholesteryl esters to be associated with Alzheimer's disease. **2015**, 5, e494 — 74

103 — The epigenetics of aging and neurodegeneration. **2015**, 131, 21-64 — 247

102 — Alzheimer's Disease: Genomics and Beyond. **2015**, 121, 1-24 — 5

101 — Altered circulating mitochondrial DNA and increased inflammation in patients with diabetic retinopathy. **2015**, 110, 257-65 — 49

100 — A novel multi-tissue RNA diagnostic of healthy ageing relates to cognitive health status. **2015**, 16, 185 — 112

99 — Methylation profiles in peripheral blood CD4+ lymphocytes versus brain: The relation to Alzheimer's disease pathology. *Alzheimer's and Dementia*, **2016**, 12, 942-951 — 1.2 — 30

98	Elucidating novel dysfunctional pathways in Alzheimer's disease by integrating loci identified in genetic and epigenetic studies. **2016**, 6, 32-50		13
97	Myeloid dendritic cells are decreased in peripheral blood of Alzheimer's disease patients in association with disease progression and severity of depressive symptoms. **2016**, 13, 18		24
96	Immune-mediated processes in neurodegeneration: where do we stand?. **2016**, 263, 1683-701		24
95	Transcriptomics and the mechanisms of antidepressant efficacy. **2016**, 26, 105-112		15
94	Mitochondrial DNA copy number and biogenesis in different tissues of early- and late-lactating dairy cows. **2016**, 99, 1571-1583		21
93	Mechanisms of Mitochondrial Dysfunction in Alzheimer's Disease. *Molecular Neurobiology*, **2016**, 53, 6078-6090	8.6	133
92	Common Aging Signature in the Peripheral Blood of Vascular Dementia and Alzheimer's Disease. *Molecular Neurobiology*, **2016**, 53, 3596-3605	6.2	6
91	Mitochondria as a target for neuroprotection: implications for Alzheimer's disease. **2017**, 17, 77-91		23
90	Mitochondrial genes are altered in blood early in Alzheimer's disease. **2017**, 53, 36-47		78
89	Clearance of cerebral Aβ in Alzheimer's disease: reassessing the role of microglia and monocytes. **2017**, 74, 2167-2201		130
88	Neuroepigenomics in Aging and Disease. **2017**,		3
87	DNA Modifications and Alzheimer's Disease. **2017**, 978, 303-319		10
86	Amylin Treatment Reduces Neuroinflammation and Ameliorates Abnormal Patterns of Gene Expression in the Cerebral Cortex of an Alzheimer's Disease Mouse Model. *Journal of Alzheimer's Disease*, **2017**, 56, 47-61	4.3	28
85	Opening up the DNA methylome of dementia. **2017**, 22, 485-496		41
84	Decreased Methylation of the Mitochondrial D-Loop Region in Late-Onset Alzheimer's Disease. *Journal of Alzheimer's Disease*, **2017**, 59, 559-564	4.3	48
83	Using induced pluripotent stem cells to explore genetic and epigenetic variation associated with Alzheimer's disease. **2017**, 9, 1455-1468		13
82	Mitochondrial depletion in CD4 and CD19 peripheral lymphocytes in early stage Alzheimer's disease. **2017**, 167, 24-29		5
81	Regional differences in mitochondrial DNA methylation in human post-mortem brain tissue. **2017**, 9, 47		22

80	Protective Effects of Wogonin against Alzheimer's Disease by Inhibition of Amyloidogenic Pathway. **2017**, 2017, 3545169		19
79	Blood-Based Bioenergetic Profiling Reflects Differences in Brain Bioenergetics and Metabolism. *Oxidative Medicine and Cellular Longevity*, **2017**, 2017, 7317251	6.7	34
78	Measurement of Oxygen Metabolism In Vivo. **2018**, 315-321		
77	Thiamine diphosphate reduction strongly correlates with brain glucose hypometabolism in Alzheimer's disease, whereas amyloid deposition does not. **2018**, 10, 26		28
76	Peripheral DNA methylation, cognitive decline and brain aging: pilot findings from the Whitehall II imaging study. **2018**, 10, 585-595		29
75	Personalized Medicine and Molecular Interaction Networks in Amyotrophic Lateral Sclerosis (ALS): Current Knowledge. **2018**, 8,		9
74	Thiamine deficiency contributes to synapse and neural circuit defects. **2018**, 51, 35		11
73	Age-Dependent Decrease of Mitochondrial Complex II Activity in a Familial Mouse Model for Alzheimer's Disease. *Journal of Alzheimer's Disease*, **2018**, 66, 75-82	4.3	9
72	Red blood cell indices and anaemia as causative factors for cognitive function deficits and for Alzheimer's disease. **2018**, 10, 51		27
71	Loss of Trem2 in microglia leads to widespread disruption of cell coexpression networks in mouse brain. **2018**, 69, 151-166		17
70	Multivariate meta-analyses of mitochondrial complex I and IV in major depressive disorder, bipolar disorder, schizophrenia, Alzheimer disease, and Parkinson disease. **2019**, 44, 837-849		71
69	A statistical and biological response to an informatics appraisal of healthy aging gene signatures. **2019**, 20, 152		1
68	Supervised pathway analysis of blood gene expression profiles in Alzheimer's disease. **2019**, 84, 98-108		5
67	Meta-Analysis of Gene Expression Changes in the Blood of Patients with Mild Cognitive Impairment and Alzheimer's Disease Dementia. **2019**, 20,		15
66	Global expression profiling of cognitive level and decline in middle-aged monozygotic twins. **2019**, 84, 141-147		4
65	Evaluation of Peripheral Immune Dysregulation in Alzheimer's Disease and Vascular Dementia. *Journal of Alzheimer's Disease*, **2019**, 71, 1175-1186	4.3	5
64	Identification of Temporal Characteristic Networks of Peripheral Blood Changes in Alzheimer's Disease Based on Weighted Gene Co-expression Network Analysis. **2019**, 11, 83		12
63	Transcriptomic analysis of probable asymptomatic and symptomatic alzheimer brains. **2019**, 80, 644-656		27

62	Dysfunction of mitochondria: Implications for Alzheimer's disease. **2019**, 145, 13-27		35
61	Transcriptomic and Network Analysis Highlight the Association of Diabetes at Different Stages of Alzheimer's Disease. **2019**, 13, 1273		18
60	Weighted Gene Co-Expression Network Analysis Identifies Critical Genes in the Development of Heart Failure After Acute Myocardial Infarction. **2019**, 10, 1214		31
59	Monocytes exposed to plasma from patients with Alzheimer's disease undergo metabolic reprogramming. **2019**, 148, 54-60		2
58	Inflammation and mitochondrial dysfunction: A vicious circle in neurodegenerative disorders?. **2019**, 710, 132931		90
57	Could Alzheimer's Disease Originate in the Periphery and If So How So?. *Molecular Neurobiology*, **2019**, 56, 406-434	6.2	31
56	Role of endolysosomes and inter-organellar signaling in brain disease. **2020**, 134, 104670		10
55	Dysregulated Fc gamma receptor-mediated phagocytosis pathway in Alzheimer's disease: network-based gene expression analysis. **2020**, 88, 24-32		6
54	Association of blood-based transcriptional risk scores with biomarkers for Alzheimer disease. **2020**, 6, e517		3
53	An epigenome-wide association study of Alzheimer's disease blood highlights robust DNA hypermethylation in the HOXB6 gene. **2020**, 95, 26-45		17
52	Exploring Beyond the DNA Sequence: A Review of Epigenomic Studies of DNA and Histone Modifications in Dementia. **2020**, 8, 79-92		6
51	HIV-1 Tat and cocaine impact mitochondrial epigenetics: effects on DNA methylation. **2021**, 16, 980-999		8
50	Reduced mitochondrial D-loop methylation levels in sporadic amyotrophic lateral sclerosis. **2020**, 12, 137		11
49	DNA methylation analysis of candidate genes associated with dementia in peripheral blood. **2020**, 12, 2109-2123		3
48	Differential Expression of mRNAs in Peripheral Blood Related to Prodrome and Progression of Alzheimer's Disease. **2020**, 2020, 4505720		9
47	DNA methylation in APOE: The relationship with Alzheimer's and with cardiovascular health. **2020**, 6, e12026		5
46	The Role of Mitochondria in Inflammation: From Cancer to Neurodegenerative Disorders. **2020**, 9,		62
45	Weighted correlation network bioinformatics uncovers a key molecular biosignature driving the left-sided heart failure. **2020**, 13, 93		1

44   Central and Peripheral Metabolic Defects Contribute to the Pathogenesis of Alzheimer's Disease: Targeting Mitochondria for Diagnosis and Prevention. **2020**, 32, 1188-1236   27

43   Mitohormesis; Potential implications in neurodegenerative diseases. **2021**, 56, 40-46   5

42   Assessment of Weighted Gene Co-Expression Network Analysis to Explore Key Pathways and Novel Biomarkers in Muscular Dystrophy. **2021**, 14, 431-444   2

41   VGF Expression by Monocytes in Patients with Alzheimer's Disease and Vascular Dementia. 1-7

40   Bibliometric Analysis Study on the Mechanisms of Brain Energy Metabolism Disorders in Alzheimer's Disease From 2000 to 2020. **2021**, 12, 670220   3

39   Transcriptome analysis reveals the difference between Healthy and Common aging and their connection with age-related diseases.   1

38   Serum uric acid levels in patients with Alzheimer's disease: a meta-analysis. **2014**, 9, e94084   34

37   Genetic networks in Parkinson's and Alzheimer's disease. **2020**, 12, 5221-5243   11

36   Identification of human ABAD inhibitors for rescuing A mediated mitochondrial dysfunction. **2014**, 11, 128-36   35

35   Peripheral inflammatory biomarkers in Alzheimer's disease: a brief review. **2020**, 53, 10-19   55

34   Loss of Trem2 in microglia leads to widespread disruption of cell co-expression networks in mouse brain.

33   Transcriptomic analysis of probable asymptomatic and symptomatic Alzheimer brains.

32   DNA methylation in the APOE gene: its link with Alzheimer's and cardiovascular health.   0

31   Response to fluoxetine in children and adolescents: a weighted gene co-expression network analysis of peripheral blood. *American Journal of Translational Research (discontinued)*, **2020**, 12, 2028-2040   3

30   Whole Blood Expression Pattern of Inflammation and Redox Genes in Mild Alzheimer's Disease. *Journal of Inflammation Research*, **2021**, 14, 6085-6102   4.8   4

29   Immune abnormalities and differential gene expression in the hippocampus and peripheral blood of patients with Alzheimer's disease.. *Annals of Translational Medicine*, **2022**, 10, 29   3.2   0

28   Artificial intelligence-driven meta-analysis of brain gene expression data identifies novel gene candidates in Alzheimer's Disease.   1

27   Development and Functions of Mitochondria in Early Life. **2022**, 1, 131-141   1

| 26 | Identification of Novel Key Genes and Pathways in Multiple Sclerosis Based on Weighted Gene Coexpression Network Analysis and Long Noncoding RNA-Associated Competing Endogenous RNA Network.. *Oxidative Medicine and Cellular Longevity*, **2022**, 2022, 9328160 | 6.7 | 0 |

25 DataSheet_1.pdf. **2019**,

24 Image_1.tif. **2019**,

23 Image_2.tif. **2019**,

22 Image_3.tif. **2019**,

21 Image_4.tif. **2019**,

20 Data_Sheet_1.ZIP. **2019**,

19 Image_1.tif. **2019**,

18 Image_2.tif. **2019**,

17 Image_3.tif. **2019**,

16 Image_4.jpg. **2019**,

15 Table_1.xlsx. **2019**,

14 Table_2.xlsx. **2019**,

13 Table_3.xlsx. **2019**,

12 Table_4.xlsx. **2019**,

11 Table_5.xlsx. **2019**,

10 Table_6.xlsx. **2019**,

9 Table_7.xlsx. **2019**,

8   Table_8.docx. **2019**,

7   Investigation of Mitochondrial Related Variants in a Cerebral Small Vessel Disease Cohort. *Molecular Neurobiology*,   6.2

6   Blood-based bioenergetic profiling reveals differences in mitochondrial function associated with cognitive performance and Alzheimer's disease. *Alzheimer's and Dementia*,   1.2   0

5   Blood Transcript Biomarkers Selected by Machine Learning Algorithm Classify Neurodegenerative Diseases including Alzheimer's Disease. **2022**, 12, 1592   0

4   CD206+/MHCII macrophage accumulation at nerve injury site correlates with attenuation of allodynia in TASTPM mouse model of Alzheimer's disease. **2022**, 100548   0

3   Artificial intelligence-driven meta-analysis of brain gene expression identifies novel gene candidates and a role for mitochondria in Alzheimer's disease. **2023**, 21, 388-400   0

2   Blood RNA transcripts reveal similar and differential alterations in fundamental cellular processes in Alzheimer's disease and other neurodegenerative diseases.   0

1   Gastrodin and Gastrodigenin Improve Energy Metabolism Disorders and Mitochondrial Dysfunction to Antagonize Vascular Dementia. **2023**, 28, 2598   0