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Neurovascular pathways to neurodegeneration in Alzheimerys disease and other disorders

DOI: 10.1038/nrn3114 Nature Reviews Neuroscience, 2011, 12, 723-38.

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#	Paper	IF	Citations
2021	Medical Economics. 1907, XLVIII, 894		
2020	The locus coeruleus-norepinephrine network optimizes coupling of cerebral blood volume with oxygen demand. 2012 , 32, 2135-45		100
2019	LRP-1 and LRP-2 receptors function in the membrane neuron. Trafficking mechanisms and proteolytic processing in Alzheimer's disease. 2012 , 3, 269		66
2018	The abluminal endothelial membrane in neurovascular remodeling in health and disease. 2012 , 5, re4		57
2017	Blood-brain barrier: recent developments and clinical correlations. 2012 , 78, 1268-76		29
2016	Preface. 2012 , 102, xv-xx		3
2015	Sialic acid deposition impairs the utility of AAV9, but not peptide-modified AAVs for brain gene therapy in a mouse model of lysosomal storage disease. 2012 , 20, 1393-9		35
2014	FEATURES. 2012 , 16, 20-46		1
2013	Blood-spinal cord barrier pericyte reductions contribute to increased capillary permeability. 2012 , 32, 1841-52		127
2012	Topology and hemodynamics of the cortical cerebrovascular system. 2012 , 32, 952-67		88
2011	Making connexons in the neurovascular unit. 2012 , 32, 1455-6		12
2010	The role of lifestyle behaviors on 20-year cognitive decline. 2012 , 2012, 304014		30
2009	Biomarkers in amyotrophic lateral sclerosis: is there a neurovascular pathway?. 2012 , 9, 302-9		4
2008	Mapping the long slow progression of neurodegeneration leading to Alzheimer disease. 2012, 8, 567-	571	
2007	Physiology and pathophysiology of the blood-brain barrier: P-glycoprotein and occludin trafficking as therapeutic targets to optimize central nervous system drug delivery. 2012 , 60, 1131-40		26
2006	Effects of clioquinol analogues on the hypoxia-inducible factor pathway and intracelullar mobilization of metal ions. 2012 , 35, 2160-9		3
2005	Involvement of oxidative stress in hypoxia-induced blood-brain barrier breakdown. 2012 , 84, 222-5		54

(2012-2012)

2004	The blood-brain barrier in Alzheimer's disease: novel therapeutic targets and nanodrug delivery. 2012 , 102, 47-90	63
2003	LRP1 in brain vascular smooth muscle cells mediates local clearance of Alzheimer's amyloid-□ 2012 , 32, 16458-65	148
2002	Alzheimer's disease: A breach in the blood-brain barrier. 2012 , 485, 451-2	23
2001	Low-density lipoprotein receptor-related protein 1: a physiological Alhomeostatic mechanism with multiple therapeutic opportunities. 2012 , 136, 94-105	74
2000	Unique biology of gliomas: challenges and opportunities. 2012 , 35, 546-56	54
1999	BarriBe hBhato-encBhalique et Alzheimer. 2012 , 2012, 18	
1998	Alzheimer disease as a vascular disorder: where do mitochondria fit?. 2012 , 47, 878-86	27
1997	Whether, when and how chronic inflammation increases the risk of developing late-onset Alzheimer's disease. 2012 , 4, 15	78
1996	Neurovascular defects and faulty amyloid-Dascular clearance in Alzheimer's disease. 2013 , 33 Suppl 1, S87-100	83
1995	Real-Time Blood-Flow Characterization Using Laser Speckle Imaging. 2012,	
1994	Lipopolysaccharide-activated microglia lower P-glycoprotein function in brain microvascular endothelial cells. 2012 , 524, 45-8	26
1993	Neurovascular pathophysiology in cerebral ischemia, dementia and the ageing brain - current trends in basic, translational and clinical research. 2012 , 4, 14	12
1992	ABC transporter function and regulation at the blood-spinal cord barrier. 2012 , 32, 1559-66	28
1991	HIF-1 at the blood-brain barrier: a mediator of permeability?. 2012 , 13, 153-61	40
1990	Ageing as a risk factor for disease. 2012 , 22, R741-52	78o
1989	Identification of gene pathways implicated in Alzheimer's disease using longitudinal imaging phenotypes with sparse regression. 2012 , 63, 1681-94	60
1988	Chronic vascular risk factors (cholesterol, homocysteine, ethanol) impair spatial memory, decline cholinergic neurons and induce blood-brain barrier leakage in rats in vivo. 2012 , 322, 92-5	41
1987	The vascular factor in Alzheimer's disease: a study in Golgi technique and electron microscopy. 2012 , 322, 117-21	91

1986	Vascular factors and epigenetic modifications in the pathogenesis of Alzheimer's disease. 2012 , 323, 25-32	25
1985	Tissue metabolism driven arterial tree generation. 2012 , 16, 1397-414	28
1984	Advanced techniques using contrast media in neuroimaging. 2012 , 20, 699-713	12
1983	Neurovascular dysfunction and faulty amyloid Epeptide clearance in Alzheimer disease. 2012 , 2,	160
1982	The imbalance of vascular molecules in Alzheimer's disease. 2012 , 32, 699-709	26
1981	Quintessential risk factors: their role in promoting cognitive dysfunction and Alzheimer's disease. 2012 , 37, 2627-58	52
1980	Galactic cosmic radiation leads to cognitive impairment and increased alplaque accumulation in a mouse model of Alzheimer's disease. 2012 , 7, e53275	136
1979	Combination treatment of hypothermia and mesenchymal stromal cells amplifies neuroprotection in primary rat neurons exposed to hypoxic-ischemic-like injury in vitro: role of the opioid system. 2012 , 7, e47583	32
1978	Excess soluble CD40L contributes to blood brain barrier permeability in vivo: implications for HIV-associated neurocognitive disorders. 2012 , 7, e51793	46
1977	Amyloid Epeptide and Alzheimers disease: it's all the RAGE. 2012 , 11, 494	
1976	Apolipoprotein E controls cerebrovascular integrity via cyclophilin A. 2012 , 485, 512-6	813
1975	Microglia and mast cells: two tracks on the road to neuroinflammation. 2012 , 26, 3103-17	176
1974	A multimodal RAGE-specific inhibitor reduces amyloid Emediated brain disorder in a mouse model of Alzheimer disease. 2012 , 122, 1377-92	385
1973	Neurovascular unit: a focus on pericytes. 2012 , 45, 327-47	179
1972	Drug delivery to the brain in Alzheimer's disease: consideration of the blood-brain barrier. 2012 , 64, 629-39	113
1971	The early contribution of cerebrovascular factors to the pathogenesis of Alzheimer's disease. 2012 , 35, 1917-37	67
1970	Organotypic brain slices: a model to study the neurovascular unit micro-environment in epilepsies. 2013 , 10, 11	20
1969	APOE-related biomarker profiles in non-pathological aging and early phases of Alzheimer's disease. 2013 , 37, 1322-35	82

(2013-2013)

1968	voxel-wise approach. 2013 , 218, 1085-98	17
1967	DNA damage response in peripheral nervous system: coping with cancer therapy-induced DNA lesions. 2013 , 12, 685-90	36
1966	[Vascular factors in the pathogenesis of Alzheimer's disease]. 2013, 84, 732-7	6
1965	Activation of the endoplasmic reticulum stress response by the amyloid-beta 1-40 peptide in brain endothelial cells. 2013 , 1832, 2191-203	86
1964	Ebdrenergic receptors and G protein-coupled receptor kinase-2 in Alzheimer's disease: a new paradigm for prognosis and therapy?. 2013 , 34, 341-7	25
1963	Contribution of cerebrovascular disease in autopsy confirmed neurodegenerative disease cases in the National Alzheimer's Coordinating Centre. 2013 , 136, 2697-706	434
1962	The pathobiology of vascular dementia. 2013 , 80, 844-66	959
1961	Development, maintenance and disruption of the blood-brain barrier. 2013 , 19, 1584-96	1243
1960	ABC Transporters at the Blood B rain Barrier. 2013 , 49-69	
1959	Peroxisome proliferators reduce spatial memory impairment, synaptic failure, and neurodegeneration in brains of a double transgenic mice model of Alzheimer's disease. 2013 , 33, 941-59	42
1958	The systemic iron-regulatory proteins hepcidin and ferroportin are reduced in the brain in Alzheimer's disease. 2013 , 1, 55	118
1957	Mild chronic cerebral hypoperfusion induces neurovascular dysfunction, triggering peripheral beta-amyloid brain entry and aggregation. 2013 , 1, 75	44
1956	'Sealing off the CNS': cellular and molecular regulation of blood-brain barriergenesis. 2013, 23, 1057-64	73
1955	Functional imaging of cerebral perfusion. 2013 , 94, 1259-78	17
1954	Role of mitochondrial dysfunction and altered autophagy in cardiovascular aging and disease: from mechanisms to therapeutics. 2013 , 305, H459-76	130
1953	Pulse pressure is associated with Alzheimer biomarkers in cognitively normal older adults. 2013 , 81, 2024-7	77
1952	Evidence for impaired amyloid © learance in Alzheimer's disease. 2013, 5, 33	133
1951	How do immune cells support and shape the brain in health, disease, and aging?. 2013 , 33, 17587-96	198

1950 Advances in Lentiviral Vector-based Cell Therapy with Mesenchymal Stem Cells. **2013**, 271-320

1949	Deciphering the mechanism underlying late-onset Alzheimer disease. 2013 , 9, 25-34	324
1948	Blood-spinal cord barrier breakdown and pericyte reductions in amyotrophic lateral sclerosis. 2013 , 125, 111-20	213
1947	Cerebrovascular effects of apolipoprotein E: implications for Alzheimer disease. 2013, 70, 440-4	182
1946	Establishment of neurovascular congruency in the mouse whisker system by an independent patterning mechanism. 2013 , 80, 458-69	20
1945	Deleterious effects of soluble beta amyloid on cognition, antagonism by saline and noradrenaline, a role for microglia. 2013 , 230, 62-71	7
1944	Imagerie fonctionnelle de la perfusion c fb rale. 2013 , 94, 1255-1275	
1943	Multielectrode array analysis of cerebrospinal fluid in Alzheimer's disease versus mild cognitive impairment: a potential diagnostic and treatment biomarker. 2013 , 434, 293-7	10
1942	The capillary dysfunction hypothesis of Alzheimer's disease. 2013 , 34, 1018-31	131
1941	Spumiform capillary basement membrane swelling: a new type of microvascular degeneration in senescent hamster. 2013 , 34, 1277-86	2
1940	Vascular endothelial growth factor polymorphisms and risk of Alzheimer's disease: a meta-analysis. 2013 , 518, 296-302	6
1939	Astrocyte regulation of cerebral vascular tone. 2013 , 305, H609-19	77
1938	Prolonged diet induced obesity has minimal effects towards brain pathology in mouse model of cerebral amyloid angiopathy: implications for studying obesity-brain interactions in mice. 2013 , 1832, 1456-62	15
1937	At the extreme end of the psychoneuroimmunological spectrum: delirium as a maladaptive sickness behaviour response. 2013 , 28, 1-13	114
1936	The interrelations between malfunctioning DNA damage response (DDR) and the functionality of the neuro-glio-vascular unit. 2013 , 12, 543-57	9
1935	The astrocytic contribution to neurovascular couplingstill more questions than answers?. 2013 , 75, 171-83	36
1934	Noninvasive and targeted drug delivery to the brain using focused ultrasound. 2013 , 4, 519-26	82
1933	Cilostazol strengthens barrier integrity in brain endothelial cells. 2013 , 33, 291-307	37

(2013-2013)

1932	Attenuating astrocyte activation accelerates plaque pathogenesis in APP/PS1 mice. 2013, 27, 187-98	205
1931	Vascular degeneration in Parkinson's disease. 2013 , 23, 154-64	105
1930	Activated protein C analog promotes neurogenesis and improves neurological outcome after focal ischemic stroke in mice via protease activated receptor 1. 2013 , 1507, 97-104	22
1929	Increased blood-brain barrier vulnerability to systemic inflammation in an Alzheimer disease mouse model. 2013 , 34, 2064-70	74
1928	Death by a thousand cuts in Alzheimer's disease: hypoxiathe prodrome. 2013 , 24, 216-43	79
1927	A modular approach to create a neurovascular unit-on-a-chip. 2013 , 13, 542-53	148
1926	An activated protein C analog stimulates neuronal production by human neural progenitor cells via a PAR1-PAR3-S1PR1-Akt pathway. 2013 , 33, 6181-90	44
1925	Intranasal administration of oxytocin: behavioral and clinical effects, a review. 2013 , 37, 1445-65	126
1924	Mitochondria-associated ER membranes in Alzheimer disease. 2013 , 55, 26-36	173
1923	Innate immunity in the CNS: redefining the relationship between the CNS and Its environment. 2013 , 78, 214-32	194
1922	Peroxisome proliferator-activated receptors and Alzheimer's disease: hitting the blood-brain barrier. 2013 , 48, 438-51	33
1921	Flexible, transparent, and noncytotoxic graphene electric field stimulator for effective cerebral blood volume enhancement. 2013 , 7, 4869-78	9
1920	Axonal degeneration in Alzheimer's disease: when signaling abnormalities meet the axonal transport system. 2013 , 246, 44-53	130
1919	ADVANCES IN THE CELL-BASED TREATMENT OF NEONATAL HYPOXIC-ISCHEMIC BRAIN INJURY. 2013 , 8, 193-203	12
1918	Ocular perfusion pressure and ocular blood flow in glaucoma. 2013 , 13, 36-42	194
1917	Spumiform basement membrane aberrations in the microvasculature of the midbrain periaqueductal gray region in hamster: rostro-caudal pathogenesis?. 2013 , 228, 128-38	1
1916	Adjusting the compass: new insights into the role of angiogenesis in Alzheimer's disease. 2013 , 5, 64	37
1915	Synergistic effects of hypertension and aging on cognitive function and hippocampal expression of genes involved in Eamyloid generation and Alzheimer's disease. 2013 , 305, H1120-30	47

1914	Dementia: from muddled diagnoses to treatable mechanisms. 2013 , 136, 2652-4	14
1913	Human umbilical vein endothelial cells protect against hypoxic-ischemic damage in neonatal brain via stromal cell-derived factor 1/C-X-C chemokine receptor type 4. 2013 , 44, 1402-9	24
1912	Neuropathologic basis of white matter hyperintensity accumulation with advanced age. 2013 , 81, 977-83	144
1911	In vivo imaging of cerebral microvascular plasticity from birth to death. 2013 , 33, 146-56	114
1910	Expression of VEGF and Flk-1 and Flt-1 receptors during blood-brain barrier (BBB) impairment following Phoneutria nigriventer spider venom exposure. 2013 , 5, 2572-88	15
1909	Relationship between cyclophilin a levels and matrix metalloproteinase 9 activity in cerebrospinal fluid of cognitively normal apolipoprotein e4 carriers and blood-brain barrier breakdown. 2013 , 70, 1198-200	83
1908	The role of ABCB1 and ABCA1 in beta-amyloid clearance at the neurovascular unit in Alzheimer's disease. 2013 , 4, 45	63
1907	MicroRNA-26a regulates pathological and physiological angiogenesis by targeting BMP/SMAD1 signaling. 2013 , 113, 1231-41	159
1906	Targeting ApoE4/ApoE receptor LRP1 in Alzheimer's disease. 2013 , 17, 781-94	27
1905	Circulating endothelin-1 alters critical mechanisms regulating cerebral microcirculation. 2013, 62, 759-66	45
1904	Aging-induced dysregulation of dicer1-dependent microRNA expression impairs angiogenic capacity of rat cerebromicrovascular endothelial cells. 2013 , 68, 877-91	106
1903	Pericyte loss influences Alzheimer-like neurodegeneration in mice. 2013 , 4, 2932	393
1902	Stem cell-based therapy in neural repair. 2013 , 36, 98-105	39
1901	The physiological paradox: reframing the polypill as a vaccine for cardiovascular disease. 2013 , 67, 897-902	4
1900	A gliovascular idea for the white matter repair?. 2013 , 125, 172-4	1
1899	Brain and circulating levels of All-40 differentially contribute to vasomotor dysfunction in the mouse brain. 2013 , 44, 198-204	42
1898	Neurogenesis in the circumventricular organs of adult mouse brains. 2013 , 91, 757-70	33
1897	Analysing morphological patterns of blood vessels for detection of Alzheimer's disease. 2013 ,	

(2013-2013)

1896	Astrocytic TRPV1 ion channels detect blood-borne signals in the sensory circumventricular organs of adult mouse brains. 2013 , 61, 957-71	46
1895	Cerebrovascular contributions to Alzheimer's disease pathophysiology and potential therapeutic interventions in mouse models. 2013 , 37, 1994-2004	8
1894	Innate immunity receptor CD36 promotes cerebral amyloid angiopathy. 2013 , 110, 3089-94	85
1893	Progranulin deficiency promotes post-ischemic blood-brain barrier disruption. 2013 , 33, 19579-89	63
1892	Chronic rapamycin restores brain vascular integrity and function through NO synthase activation and improves memory in symptomatic mice modeling Alzheimer's disease. 2013 , 33, 1412-21	137
1891	Cardiovascular disease and cognitive decline in postmenopausal women: results from the Women's Health Initiative Memory Study. 2013 , 2, e000369	80
1890	A lipoprotein receptor cluster IV mutant preferentially binds amyloid-land regulates its clearance from the mouse brain. 2013 , 288, 15154-66	29
1889	Engineering a lysosomal enzyme with a derivative of receptor-binding domain of apoE enables delivery across the blood-brain barrier. 2013 , 110, 2999-3004	109
1888	Deficiency in mural vascular cells coincides with blood-brain barrier disruption in Alzheimer's disease. 2013 , 23, 303-10	297
1887	Cerebrovascular reactivity to carbon dioxide in Alzheimer's disease. 2013 , 35, 427-40	86
1886	LDL phenotype in subjects with mild cognitive impairment and Alzheimer's disease. 2013 , 36, 571-5	8
1885	Apolipoprotein E as a Emyloid-independent factor in Alzheimer's disease. 2013 , 5, 38	45
1884	Cessation of neoangiogenesis in Alzheimer's disease follows amyloid-beta immunization. 2013 , 3, 1354	25
1883	tPA in the Central Nervous System: Relations Between tPA and Cell Surface LRPs. 2013 , 7, 65-76	13
1882	Vascular impairment in Alzheimer's disease: the role of obstructive sleep apnea. 2014 , 38, 445-53	46
1881	Functional and molecular characterization of the effect of amyloid-42 on an in vitro epithelial barrier model. 2014 , 38, 787-98	18
1880	Cortical and subcortical cerebrovascular resistance index in mild cognitive impairment and Alzheimer's disease. 2013 , 36, 689-98	29
1879	Inhibition of glycogen synthase kinase 3[þromotes tight junction stability in brain endothelial cells by half-life extension of occludin and claudin-5. 2013 , 8, e55972	73

1878	Bapineuzumab alters altomposition: implications for the amyloid cascade hypothesis and anti-amyloid immunotherapy. 2013 , 8, e59735	26
1877	Comprehensive gene expression profiling reveals synergistic functional networks in cerebral vessels after hypertension or hypercholesterolemia. 2013 , 8, e68335	8
1876	Distinct patterns of cerebral extravasation by Evans blue and sodium fluorescein in rats. 2013 , 8, e68595	63
1875	Is the cerebellum the optimal reference region for intensity normalization of perfusion MR studies in early Alzheimer's disease?. 2013 , 8, e81548	11
1874	Neurological manifestations of oculodentodigital dysplasia: a Cx43 channelopathy of the central nervous system?. 2013 , 4, 120	45
1873	Insulin-like growth factor-1 in CNS and cerebrovascular aging. 2013 , 5, 27	78
1872	Molecular links between endothelial dysfunction and neurodegeneration in Alzheimer's disease. 2014 , 11, 18-26	45
1871	Impact of age on the cerebrovascular proteomes of wild-type and Tg-SwDI mice. 2014 , 9, e89970	14
1870	Transport rankings of non-steroidal antiinflammatory drugs across blood-brain barrier in vitro models. 2014 , 9, e86806	58
1869	Biochemical assessment of precuneus and posterior cingulate gyrus in the context of brain aging and Alzheimer's disease. 2014 , 9, e105784	13
1868	The low-density lipoprotein receptor-related protein 1 and amyloid-Etlearance in Alzheimer's disease. 2014 , 6, 93	141
1867	Interactive effects of vascular risk burden and advanced age on cerebral blood flow. 2014 , 6, 159	49
1866	Systemic inflammation, blood-brain barrier vulnerability and cognitive/non-cognitive symptoms in Alzheimer disease: relevance to pathogenesis and therapy. 2014 , 6, 171	138
1865	Alzheimer's disease: relevant molecular and physiopathological events affecting amyloid-Ibrain balance and the putative role of PPARs. 2014 , 6, 176	38
1864	Contributions and complexities from the use of in vivo animal models to improve understanding of human neuroimaging signals. 2014 , 8, 211	24
1863	Obesity and cognitive decline: role of inflammation and vascular changes. 2014 , 8, 375	205
1862	Opportunities and Limitations of Modelling Alzheimer's Disease with Induced Pluripotent Stem Cells. 2014 , 3, 1357-72	10
1861	Cerebrovascular pathology and amyloid plaque formation in Alzheimer's disease. 2014 , 11, 4-10	24

1860 Recovery from ICH [Potential Targets. 2014,

1859	Cerebral ABC transporter-common mechanisms may modulate neurodegenerative diseases and depression in elderly subjects. 2014 , 45, 738-43	23
1858	Blood-brain barrier imaging in human neuropathologies. 2014 , 45, 646-52	37
1857	Caloric restriction confers persistent anti-oxidative, pro-angiogenic, and anti-inflammatory effects and promotes anti-aging miRNA expression profile in cerebromicrovascular endothelial cells of aged rats. 2014 , 307, H292-306	104
1856	Large arteriolar component of oxygen delivery implies a safe margin of oxygen supply to cerebral tissue. 2014 , 5, 5734	122
1855	Integrated multi-cohort transcriptional meta-analysis of neurodegenerative diseases. 2014 , 2, 93	67
1854	Blood-spinal cord barrier disruption contributes to early motor-neuron degeneration in ALS-model mice. 2014 , 111, E1035-42	150
1853	Cerebral vascular leak in a mouse model of amyloid neuropathology. 2014 , 34, 1646-54	19
1852	Microvascular sprouting, extension, and creation of new capillary connections with adaptation of the neighboring astrocytes in adult mouse cortex under chronic hypoxia. 2014 , 34, 325-31	22
1851	Emerging roles of pericytes in the regulation of the neurovascular unit in health and disease. 2014 , 9, 591-605	89
1850	Brain and cerebrovascular agingnew mechanisms and insights. 2014 , 69, 1307-10	9
1849	Reduced glucose uptake and Alin brain regions with hyperintensities in connected white matter. 2014 , 100, 684-691	22
1848	rtPA in acute stroke patients with history of cognitive impairment: do not hesitate to treat. 2014 , 82, 2044-5	1
1847	The role of pericytes in neurovascular unit remodeling in brain disorders. 2014 , 15, 6453-74	81
1846	Modeling cerebrovascular pathophysiology in amyloid-limetabolism using neural-crest-derived smooth muscle cells. 2014 , 9, 391-401	21
1845	High-Resolution Optical Microscopy Imaging of Cortical Oxygen Delivery and Consumption. 2014,	
1844	Icariin, a phosphodiesterase-5 inhibitor, improves learning and memory in APP/PS1 transgenic mice by stimulation of NO/cGMP signalling. 2014 , 17, 871-81	80
1843	Endothelial dysfunction and hyperhomocysteinemia in Parkinson's disease: flow-mediated dilation study. 2014 , 29, 1551-5	12

1842	Changes in pericytic expression of NG2 and PDGFRB and vascular permeability in the sensory circumventricular organs of adult mouse by osmotic stimulation. 2014 , 32, 51-61	9
1841	Phosphodiesterase III inhibitor promotes drainage of cerebrovascular 🖾 myloid. 2014 , 1, 519-33	66
1840	Relationships between CETP genetic polymorphisms and Alzheimer's disease risk: a meta-analysis. 2014 , 33, 807-15	13
1839	The overlap between vascular disease and Alzheimer's diseaselessons from pathology. 2014 , 12, 206	372
1838	Alzheimer disease and cellular mechanisms of memory storage. 2014 , 73, 192-205	16
1837	Involvement of matrix metalloproteinase-9 in amyloid-₫-42-induced shedding of the pericyte proteoglycan NG2. 2014 , 73, 684-92	24
1836	Vascular risk factors aggravate the progression of Alzheimer's disease: a 3-year follow-up study of Chinese population. 2014 , 29, 521-5	10
1835	Fractalkine activates NRF2/NFE2L2 and heme oxygenase 1 to restrain tauopathy-induced microgliosis. 2014 , 137, 78-91	95
1834	The potential applications of Apolipoprotein E in personalized medicine. 2014 , 6, 154	33
1833	Designing the future of nanomedicine: current barriers to targeted brain therapeutics. 2014 , 6,	12
	Designing the future of nanomedicine: current barriers to targeted brain therapeutics. 2014 , 6, Stem cell therapy for neonatal hypoxic-ischemic encephalopathy. 2014 , 5, 147	34
1832	Stem cell therapy for neonatal hypoxic-ischemic encephalopathy. 2014 , 5, 147 Role of microglial m1/m2 polarization in relapse and remission of psychiatric disorders and	34
1832	Stem cell therapy for neonatal hypoxic-ischemic encephalopathy. 2014 , 5, 147 Role of microglial m1/m2 polarization in relapse and remission of psychiatric disorders and diseases. 2014 , 7, 1028-48 Intravenously injected human apolipoprotein A-I rapidly enters the central nervous system via the	34 116
1832 1831 1830	Stem cell therapy for neonatal hypoxic-ischemic encephalopathy. 2014 , 5, 147 Role of microglial m1/m2 polarization in relapse and remission of psychiatric disorders and diseases. 2014 , 7, 1028-48 Intravenously injected human apolipoprotein A-I rapidly enters the central nervous system via the choroid plexus. 2014 , 3, e001156 Cerebral blood flow measured by arterial spin labeling MRI as a preclinical marker of Alzheimer's disease. 2014 , 42 Suppl 4, S411-9	34 116 52
1832 1831 1830 1829	Stem cell therapy for neonatal hypoxic-ischemic encephalopathy. 2014, 5, 147 Role of microglial m1/m2 polarization in relapse and remission of psychiatric disorders and diseases. 2014, 7, 1028-48 Intravenously injected human apolipoprotein A-I rapidly enters the central nervous system via the choroid plexus. 2014, 3, e001156 Cerebral blood flow measured by arterial spin labeling MRI as a preclinical marker of Alzheimer's disease. 2014, 42 Suppl 4, S411-9	34 116 52 123
1832 1831 1830 1829 1828	Stem cell therapy for neonatal hypoxic-ischemic encephalopathy. 2014, 5, 147 Role of microglial m1/m2 polarization in relapse and remission of psychiatric disorders and diseases. 2014, 7, 1028-48 Intravenously injected human apolipoprotein A-I rapidly enters the central nervous system via the choroid plexus. 2014, 3, e001156 Cerebral blood flow measured by arterial spin labeling MRI as a preclinical marker of Alzheimer's disease. 2014, 42 Suppl 4, S411-9 Selective benefits of simvastatin in bitransgenic APPSwe,Ind/TGF-il mice. 2014, 35, 203-12	34 116 52 123

(2014-2014)

1824	oxidase. 2014 , 82, 195-207	155
1823	Reactive gliosis and the multicellular response to CNS damage and disease. 2014 , 81, 229-48	799
1822	The dual role of astrocyte activation and reactive gliosis. 2014 , 565, 30-8	449
1821	Pinocembrin improves cognition and protects the neurovascular unit in Alzheimer related deficits. 2014 , 35, 1275-85	67
1820	High-density lipoproteins and cerebrovascular integrity in Alzheimer's disease. 2014 , 19, 574-91	61
1819	Crosstalk between cerebral endothelium and oligodendrocyte. 2014 , 71, 1055-66	72
1818	Alzheimer's disease and type 2 diabetes: multiple mechanisms contribute to interactions. 2014 , 14, 476	102
1817	Brain metabolite clearance: impact on Alzheimer's disease. 2014 , 29, 553-61	10
1816	Apolipoprotein E in Alzheimer's disease: an update. 2014 , 37, 79-100	286
1815	Calcium dysregulation, and lithium treatment to forestall Alzheimer's disease - a merging of hypotheses. 2014 , 55, 175-81	16
1814	Nutrition and the brain: what advice should we give?. 2014 , 35 Suppl 2, S79-83	16
1813	Cell-specific blood-brain barrier regulation in health and disease: a focus on hypoxia. 2014 , 171, 1210-30	99
1812	Neuronal damage, central cholinergic dysfunction and oxidative damage correlate with cognitive deficits in rats with chronic cerebral hypoperfusion. 2014 , 109, 7-19	54
1811	The oxygen paradox of neurovascular coupling. 2014 , 34, 19-29	80
1810	Obesity in aging exacerbates blood-brain barrier disruption, neuroinflammation, and oxidative stress in the mouse hippocampus: effects on expression of genes involved in beta-amyloid generation and Alzheimer's disease. 2014 , 69, 1212-26	193
1809	Optical Imaging of Neocortical Dynamics. 2014,	6
1808	Metabotropic P2Y1 receptor signalling mediates astrocytic hyperactivity in vivo in an Alzheimer's disease mouse model. 2014 , 5, 5422	147
1807	APOE and risk for Alzheimer's disease: do regionally distributed white matter hyperintensities play a role?. 2014 , 10, 619-29	41

1806	Ephrin-A3 and ephrin-A4 contribute to microglia-induced angiogenesis in brain endothelial cells. 2014 , 297, 1908-18	19
1805	Astrocytic laminin regulates pericyte differentiation and maintains blood brain barrier integrity. 2014 , 5, 3413	195
1804	Does metabolic failure at the synapse cause Alzheimer's disease?. 2014 , 83, 802-8	8
1803	Resting-state functional connectivity changes in aging apoE4 and apoE-KO mice. 2014 , 34, 13963-75	56
1802	The key role of transient receptor potential melastatin-2 channels in amyloid-Enduced neurovascular dysfunction. 2014 , 5, 5318	79
1801	ABC transporter regulation by signaling at the blood-brain barrier: relevance to pharmacology. 2014 , 71, 1-24	22
1800	Cerebral perfusion alterations and cerebral amyloid in autosomal dominant Alzheimer disease. 2014 , 83, 710-7	32
1799	Paracrine signalling of inflammatory cytokines from an in vitro blood brain barrier model upon exposure to polymeric nanoparticles. 2014 , 139, 923-30	32
1798	Analysis of focused ultrasound-induced blood-brain barrier permeability in a mouse model of Alzheimer's disease using two-photon microscopy. 2014 , 192, 243-8	54
1797	More than cholesterol transporters: lipoprotein receptors in CNS function and neurodegeneration. 2014 , 83, 771-87	90
1796	Aging exacerbates obesity-induced cerebromicrovascular rarefaction, neurovascular uncoupling, and cognitive decline in mice. 2014 , 69, 1339-52	101
1795	Engineering and pharmacology of blood-brain barrier-permeable bispecific antibodies. 2014 , 71, 301-35	44
1794	Glia in the pathogenesis of neurodegenerative diseases. 2014 , 42, 1291-301	113
1793	DNA damage response and senescence in endothelial cells of human cerebral cortex and relation to Alzheimer's neuropathology progression: a population-based study in the Medical Research Council Cognitive Function and Ageing Study (MRC-CFAS) cohort. 2014 , 40, 802-14	20
1792	Recommendations of the Alzheimer's disease-related dementias conference. 2014 , 83, 851-60	80
1791	Cell-culture models of the blood-brain barrier. 2014 , 45, 2514-26	101
1790	In vitro cerebrovascular modeling in the 21st century: current and prospective technologies. 2014 , 31, 3229-50	33
1789	Denervation protects limbs from inflammatory arthritis via an impact on the microvasculature. 2014 , 111, 11419-24	38

1788	Imaging proteomics for diagnosis, monitoring and prediction of Alzheimer's disease. 2014 , 102 Pt 2, 657-65	16
1787	Tumor necrosis factor-Estimulated brain pericytes possess a unique cytokine and chemokine release profile and enhance microglial activation. 2014 , 578, 133-8	52
1786	Cerebral arterial inflow assessment with 18F-FDG PET: methodology and feasibility. 2014 , 116, 177-83	2
1785	Mixed oligomers and monomeric amyloid-disrupts endothelial cells integrity and reduces monomeric amyloid-dransport across hCMEC/D3 cell line as an in vitro blood-brain barrier model. 2014 , 1842, 1806-15	36
1784	When astrocytes become harmful: functional and inflammatory responses that contribute to Alzheimer's disease. 2014 , 18, 29-40	80
1783	Hypertension and dementia. 2014 , 64, 3-5	100
1782	Risk factors for age at onset of dementia due to Alzheimer's disease in a sample of patients with low mean schooling from SB Paulo, Brazil. 2014 , 29, 1033-9	22
1781	Insulin reverses the high-fat diet-induced increase in brain Aland improves memory in an animal model of Alzheimer disease. 2014 , 63, 4291-301	150
1780	ATP-binding cassette transporters P-glycoprotein and breast cancer related protein are reduced in capillary cerebral amyloid angiopathy. 2014 , 35, 565-75	33
1779	Cerebral microbleeds in a multiethnic elderly community: demographic and clinical correlates. 2014 , 345, 125-30	25
1778	An emerging role for the miR-26 family in cardiovascular disease. 2014 , 24, 241-8	48
1777	Cognitive impairment and cardiovascular disease: so near, so far. 2014 , 175, 21-9	44
1776	Tryps and trips: cell trafficking across the 100-year-old blood-brain barrier. 2014 , 37, 325-33	36
1775	Altered cerebral vascular volumes and solute transport at the blood-brain barriers of two transgenic mouse models of Alzheimer's disease. 2014 , 81, 311-7	50
1774	An apolipoprotein E modified liposomal nanoparticle: ligand dependent efficiency as a siRNA delivery carrier for mouse-derived brain endothelial cells. 2014 , 465, 77-82	33
1773	Loss of proteostasis induced by amyloid beta peptide in brain endothelial cells. 2014 , 1843, 1150-61	24
1772	The pericyte: a forgotten cell type with important implications for Alzheimer's disease?. 2014 , 24, 371-86	158
1771	Dysfunctional Wnt/Ecatenin signaling contributes to blood-brain barrier breakdown in Alzheimer's disease. 2014 , 75, 19-25	61

1770	Blood-brain barrier: a dual life of MFSD2A?. 2014 , 82, 728-30	35
1769	Additional clues for a protective role of vitamin D in neurodegenerative diseases: 1,25-dihydroxyvitamin D3 triggers an anti-inflammatory response in brain pericytes. 2014 , 42, 789-99	40
1768	Controversies and evolving new mechanisms in subarachnoid hemorrhage. 2014 , 115, 64-91	252
1767	Angiotensin converting enzyme inhibitors and Alzheimer disease in the presence of the apolipoprotein E4 allele. 2014 , 22, 177-85	12
1766	Compensating for synaptic loss in Alzheimer's disease. 2014 , 36, 19-37	20
1765	New therapeutic approaches for Alzheimer's disease and cerebral amyloid angiopathy. 2014 , 6, 290	61
1764	The impact of microglial activation on blood-brain barrier in brain diseases. 2014 , 8, 362	302
1763	Conventional brain imaging of white matter lesions. 117-128	
1762	White matter hyperintensities are associated with amyloid burden in APOE4 non-carriers. 2014 , 40, 877-86	26
1761	Cerebral small vessel disease: cerebrospinal fluid aspects. 200-216	
1761 1760	Cerebral small vessel disease: cerebrospinal fluid aspects. 200-216 Melatonin Pretreatment Improves the Survival and Function of Transplanted Mesenchymal Stem Cells after Focal Cerebral Ischemia. 2014 , 23, 1279-1291	91
	Melatonin Pretreatment Improves the Survival and Function of Transplanted Mesenchymal Stem	91
1760	Melatonin Pretreatment Improves the Survival and Function of Transplanted Mesenchymal Stem Cells after Focal Cerebral Ischemia. 2014 , 23, 1279-1291 Increased hippocampal blood flow in sedentary older adults at genetic risk for Alzheimer's disease.	
1760 1759	Melatonin Pretreatment Improves the Survival and Function of Transplanted Mesenchymal Stem Cells after Focal Cerebral Ischemia. 2014 , 23, 1279-1291 Increased hippocampal blood flow in sedentary older adults at genetic risk for Alzheimer's disease. 2014 , 41, 809-17 Interplay between age, cerebral small vessel disease, parenchymal amyloid-pand tau pathology:	27
1760 1759 1758	Melatonin Pretreatment Improves the Survival and Function of Transplanted Mesenchymal Stem Cells after Focal Cerebral Ischemia. 2014, 23, 1279-1291 Increased hippocampal blood flow in sedentary older adults at genetic risk for Alzheimer's disease. 2014, 41, 809-17 Interplay between age, cerebral small vessel disease, parenchymal amyloid-pand tau pathology: longitudinal studies in hypertensive stroke-prone rats. 2014, 42 Suppl 3, S205-15	27 29
1760 1759 1758 1757	Melatonin Pretreatment Improves the Survival and Function of Transplanted Mesenchymal Stem Cells after Focal Cerebral Ischemia. 2014, 23, 1279-1291 Increased hippocampal blood flow in sedentary older adults at genetic risk for Alzheimer's disease. 2014, 41, 809-17 Interplay between age, cerebral small vessel disease, parenchymal amyloid-pand tau pathology: longitudinal studies in hypertensive stroke-prone rats. 2014, 42 Suppl 3, S205-15 The dynamic blood-brain barrier. 2015, 282, 4067-79	27 29 295
1760 1759 1758 1757	Melatonin Pretreatment Improves the Survival and Function of Transplanted Mesenchymal Stem Cells after Focal Cerebral Ischemia. 2014, 23, 1279-1291 Increased hippocampal blood flow in sedentary older adults at genetic risk for Alzheimer's disease. 2014, 41, 809-17 Interplay between age, cerebral small vessel disease, parenchymal amyloid-pand tau pathology: longitudinal studies in hypertensive stroke-prone rats. 2014, 42 Suppl 3, S205-15 The dynamic blood-brain barrier. 2015, 282, 4067-79 Challenges in retinal circuit regeneration: linking neuronal connectivity to circuit function. 2015, 38, 341-57 Three-Dimensional Blood-Brain Barrier Model for in vitro Studies of Neurovascular Pathology. 2015	27 29 295 3

1752	Unveiling astrocytic control of cerebral blood flow with optogenetics. 2015 , 5, 11455	49
1751	Herpes Simplex Virus Type 1 and Other Pathogens are Key Causative Factors in Sporadic Alzheimer's Disease. 2015 , 48, 319-53	139
1750	Anemia and Mild Cognitive Impairment in the German General Population. 2016, 49, 1031-42	18
1749	White Matter Changes are Associated with Ventricular Expansion in Aging, Mild Cognitive Impairment, and Alzheimer's Disease. 2016 , 49, 329-42	18
1748	The role of proteotoxic stress in vascular dysfunction in the pathogenesis of Alzheimer disease. 2015 , 2,	
1747	Subtle Cognitive Decline and Biomarker Staging in Preclinical Alzheimer's Disease. 2015 , 47, 231-42	101
1746	Blood-Brain Barrier Disruption Is an Early Event That May Persist for Many Years After Traumatic Brain Injury in Humans. 2015 , 74, 1147-57	100
1745	Inflammation Combined with Ischemia Produces Myelin Injury and Plaque-Like Aggregates of Myelin, Amyloid-land ABP in Adult Rat Brain. 2015 , 46, 507-23	26
1744	Blood-Brain Barrier Disruption Is an Early Event That May Persist for Many Years After Traumatic Brain Injury in Humans. 2015 , 74, 1147-1157	78
1743	Disrupted vasculature and blood-brain barrier in Huntington disease. 2015 , 78, 158-9	7
1742	Partial eNOS deficiency causes spontaneous thrombotic cerebral infarction, amyloid angiopathy and cognitive impairment. 2015 , 10, 24	60
1741	Cerebral/Peripheral Vascular Reactivity and Neurocognition in Middle-Age Athletes. 2015 , 47, 2595-603	26
1740	Prolonged In Vivo Retention of a Cathepsin D Targeted Optical Contrast Agent in a Mouse Model of Alzheimer's Disease. 2015 , 48, 73-87	7
1739	Virchow-Robin Spaces: Correlations with Polysomnography-Derived Sleep Parameters. 2015 , 38, 853-8	46
1738	Transcriptomics Profiling of Alzheimer's Disease Reveal Neurovascular Defects, Altered Amyloid- Homeostasis, and Deregulated Expression of Long Noncoding RNAs. 2015 , 48, 647-65	114
1737	Cerebrovascular and blood-brain barrier impairments in Huntington's disease: Potential implications for its pathophysiology. 2015 , 78, 160-77	146
1736	Evidence of neurodegeneration in obstructive sleep apnea: Relationship between obstructive sleep apnea and cognitive dysfunction in the elderly. 2015 , 93, 1778-94	99
1735	Cerebral circulation: function and dysfunction in Alzheimer's disease. 2015 , 65, 317-24	26

1734	Lipids and Lipoproteins in Alzheimer Disease. 2015,	1
1733	Dissociating Statistically-Determined Alzheimer's Disease/Vascular Dementia Neuropsychological Syndromes Using White and Gray Neuroradiological Parameters. 2015 , 48, 833-47	9
1732	Factors Associated with Brain Atrophy Estimated with Automatic Voxel- Based Morphometry of Structural Magnetic Resonance Images in Elderly Diabetic Patients: Impact of Albuminuria on Hippocampal Atrophy. 2015 , 06,	1
1731	Vasculoprotection as a Convergent, Multi-Targeted Mechanism of Anti-AD Therapeutics and Interventions. 2015 , 46, 581-91	9
1730	Homocysteine Induced Cerebrovascular Dysfunction: A Link to Alzheimer's Disease Etiology. 2015 , 9, 9-14	48
1729	The Possible Roles of the Dentate Granule Cell's Leptin and Other Ciliary Receptors in Alzheimer's Neuropathology. 2015 , 4, 253-74	2
1728	Bioinformatics Mining and Modeling Methods for the Identification of Disease Mechanisms in Neurodegenerative Disorders. 2015 , 16, 29179-206	37
1727	Myeloid Dendritic Cells are Potential Players in Human Neurodegenerative Diseases. 2015 , 6, 632	27
1726	Neurovascular and neurometabolic derailment in aging and Alzheimer's disease. 2015 , 7, 103	22
1725	Menopause, obesity and inflammation: interactive risk factors for Alzheimer's disease. 2015 , 7, 130	54
1724	Impaired vascular-mediated clearance of brain amyloid beta in Alzheimer's disease: the role, regulation and restoration of LRP1. 2015 , 7, 136	117
1723	Aberrant insulin signaling in Alzheimer's disease: current knowledge. 2015 , 9, 204	178
1722	New aspects in fenestrated capillary and tissue dynamics in the sensory circumventricular organs of adult brains. 2015 , 9, 390	97
1721	HDL and glucose metabolism: current evidence and therapeutic potential. 2015 , 6, 258	39
1720	Friends or Foes: Matrix Metalloproteinases and Their Multifaceted Roles in Neurodegenerative Diseases. 2015 , 2015, 620581	115
1719	Disruption in the Blood-Brain Barrier: The Missing Link between Brain and Body Inflammation in Bipolar Disorder?. 2015 , 2015, 708306	119
1718	Therapeutic Effects of PPAR & Neuronal Death and Microvascular Impairment. 2015, 2015, 595426	19
1717	Computational and Pharmacological Target of Neurovascular Unit for Drug Design and Delivery. 2015 , 2015, 731292	7

1716	. 2015,	6
1715	Expression of CYP2R1 and VDR in human brain pericytes: the neurovascular vitamin D autocrine/paracrine model. 2015 , 26, 245-8	16
1714	Systems biology of neurodegenerative diseases. 2015 , 7, 758-75	32
1713	Glio-vascular changes during ageing in wild-type and Alzheimer's disease-like APP/PS1 mice. 2015 , 1620, 153-68	33
1712	Shared Mechanisms of Disease. 2015 , 407-443	
1711	Rodent models of neuroinflammation for Alzheimer's disease. 2015 , 12, 74	123
1710	Central role for PICALM in amyloid-Iblood-brain barrier transcytosis and clearance. 2015, 18, 978-87	265
1709	Elevated permeability of the blood-brain barrier in mice intratracheally administered porcine pancreatic elastase. 2015 , 129, 78-81	6
1708	Structural characterization of the aquaporin inhibitor 2-nicotinamido-1,3,4-thiadiazole. 2015 , 71, 1074-9	1
1707	Serum sEPCR levels are elevated in patients with Alzheimer's disease. 2015 , 30, 517-21	2
1706	Modelling Cortical and Thalamocortical Synaptic Loss and Compensation Mechanisms in Alzheimer∄ Disease. 2015 , 221-275	
1705	Deep-brain stimulation associates with improved microvascular integrity in the subthalamic nucleus in Parkinson's disease. 2015 , 74, 392-405	57
1704	Comprehensive analysis of the mouse brain proteome sampled in mass spectrometry imaging. 2015 , 87, 1867-75	37
1703	Hypoxic stress, brain vascular system, and Eamyloid: a primary cell culture study. 2015 , 18, 1-11	11
1702	Post-mortem assessment of hypoperfusion of cerebral cortex in Alzheimer's disease and vascular dementia. 2015 , 138, 1059-69	104
1701	Pharmacotherapy of glaucoma. 2015 , 31, 63-77	84
1700	Prenatal high-fat diet alters the cerebrovasculature and clearance of Eamyloid in adult offspring. 2015 , 235, 619-31	38
1699	Regulation of ABC transporters blood-brain barrier: the good, the bad, and the ugly. 2015 , 125, 43-70	91

1698	Age-related decline of autocrine pituitary adenylate cyclase-activating polypeptide impairs angiogenic capacity of rat cerebromicrovascular endothelial cells. 2015 , 70, 665-74	32
1697	Blood-brain barrier breakdown in the aging human hippocampus. 2015 , 85, 296-302	1023
1696	Future Perspectives. 2015, 567-579	1
1695	Brain tissue responses to neural implants impact signal sensitivity and intervention strategies. 2015 , 6, 48-67	284
1694	Cognitive frailty, a novel target for the prevention of elderly dependency. 2015 , 20, 1-10	140
1693	Involvement of platelet-derived growth factor receptor In fibrosis through extracellular matrix protein production after ischemic stroke. 2015 , 264, 127-34	63
1692	Advances in cell encapsulation technology and its application in drug delivery. 2015, 12, 1251-67	24
1691	Deficiency of brain ATP-binding cassette transporter A-1 exacerbates blood-brain barrier and white matter damage after stroke. 2015 , 46, 827-34	31
1690	Drug access to the central nervous system in Alzheimer's disease: preclinical and clinical insights. 2015 , 32, 819-39	27
1689	GLUT1 reductions exacerbate Alzheimer's disease vasculo-neuronal dysfunction and degeneration. 2015 , 18, 521-530	350
1688	Neuroprotection, learning and memory improvement of a standardized extract from Renshen Shouwu against neuronal injury and vascular dementia in rats with brain ischemia. 2015 , 165, 118-26	22
1687	Clinical and imaging features of mixed Alzheimer and vascular pathologies. 2015 , 7, 21	69
1686	Astrocytic TLR4 expression and LPS-induced nuclear translocation of STAT3 in the sensory circumventricular organs of adult mouse brain. 2015 , 278, 144-58	44
1685	Emerging role of IL-16 in cytokine-mediated regulation of multiple sclerosis. 2015 , 75, 234-48	27
1684	Is Vasomotion in Cerebral Arteries Impaired in Alzheimer's Disease?. 2015 , 46, 35-53	57
1683	Neutrophils promote Alzheimer's disease-like pathology and cognitive decline via LFA-1 integrin. 2015 , 21, 880-6	354
1682	Loss-of-function mutation in ABCA1 and risk of Alzheimer's disease and cerebrovascular disease. 2015 , 11, 1430-1438	81
1681	Salidroside ameliorates cognitive impairment in a d-galactose-induced rat model of Alzheimer's disease. 2015 , 293, 27-33	104

1680	Wiring the Vascular Network with Neural Cues: A CNS Perspective. 2015 , 87, 271-96	95
1679	Differential roles of Alprocessing in hypoxia-induced axonal damage. 2015 , 77, 94-105	3
1678	Characterization of neural stem cells and their progeny in the sensory circumventricular organs of adult mouse. 2015 , 362, 347-65	32
1677	Atherosclerotic calcification is related to a higher risk of dementia and cognitive decline. 2015 , 11, 639-47.e1	67
1676	Icariin decreases both APP and Allevels and increases neurogenesis in the brain of Tg2576 mice. 2015 , 304, 29-35	36
1675	Diversity and plasticity of microglial cells in psychiatric and neurological disorders. 2015 , 154, 21-35	94
1674	Clearance systems in the brain-implications for Alzheimer disease. 2015 , 11, 457-70	759
1673	Apolipoprotein E Inhibits Cerebrovascular Pericyte Mobility through a RhoA Protein-mediated Pathway. 2015 , 290, 14208-17	39
1672	6-Phenoxy-2-phenylbenzoxazoles, novel inhibitors of receptor for advanced glycation end products (RAGE). 2015 , 23, 4919-4935	8
1671	A dural lymphatic vascular system that drains brain interstitial fluid and macromolecules. 2015 , 212, 991-9	1079
1670	Focal transient CNS vessel leak provides a tissue niche for sequential immune cell accumulation during the asymptomatic phase of EAE induction. 2015 , 266, 74-85	26
1669	Bioresorbable Electronic Stent Integrated with Therapeutic Nanoparticles for Endovascular Diseases. 2015 , 9, 5937-46	158
1668	Cerebral autoregulation, beta amyloid, and white matter hyperintensities are interrelated. 2015 , 592, 54-8	58
1667	Nicotine Attenuates Disruption of Blood-Brain Barrier Induced by Saturated-Fat Feeding in Wild-Type Mice. 2015 , 17, 1436-41	8
1666	Cerebrovascular disease, amyloid plaques, and dementia. 2015 , 46, 1402-7	26
1665	SEMA4D compromises blood-brain barrier, activates microglia, and inhibits remyelination in neurodegenerative disease. 2015 , 73, 254-68	62
1664	The dynamics of monocytes and microglia in Alzheimer's disease. 2015 , 7, 41	126
1663	Blood-brain barrier dysfunction developed during normal aging is associated with inflammation	156

1662	Cerebrospinal fluid biomarkers of neurovascular dysfunction in mild dementia and Alzheimer's disease. 2015 , 35, 1055-68	74
1661	Minocycline reduces spontaneous hemorrhage in mouse models of cerebral amyloid angiopathy. 2015 , 46, 1633-1640	23
1660	Neuroinflammation in Alzheimer's disease. 2015 , 14, 388-405	2760
1659	Regulation of ABC transporters at the blood-brain barrier. 2015 , 97, 395-403	73
1658	Vascular plasticity and cognition during normal aging and dementia. 2015, 72, 495-6	27
1657	The Glymphatic System: A Beginner's Guide. 2015 , 40, 2583-99	811
1656	In vivo multi-photon luminescence imaging of cerebral vasculature and blood-brain barrier integrity using gold nanoparticles. 2015 , 3, 2935-2938	19
1655	Pulse pressure in relation to tau-mediated neurodegeneration, cerebral amyloidosis, and progression to dementia in very old adults. 2015 , 72, 546-53	75
1654	Activation of the factor XII-driven contact system in Alzheimer's disease patient and mouse model plasma. 2015 , 112, 4068-73	66
1653	Increased cerebral vascular reactivity in the tau expressing rTg4510 mouse: evidence against the role of tau pathology to impair vascular health in Alzheimer's disease. 2015 , 35, 359-62	21
1652	Pharmacologically-induced neurovascular uncoupling is associated with cognitive impairment in mice. 2015 , 35, 1871-81	79
1651	Shedding of soluble platelet-derived growth factor receptor-Ifrom human brain pericytes. 2015 , 607, 97-101	71
1650	Early disruption of neurovascular units and microcirculatory dysfunction in the spinal cord in spinal muscular atrophy type I. 2015 , 85, 842-5	5
1649	Capillary dysfunction: its detection and causative role in dementias and stroke. 2015 , 15, 37	45
1648	Re-evaluation of the Blood-Brain Barrier in the Presence of Alzheimer's Disease Pathology. 2015 , 88, 237-9	17
1647	Targeting cerebrovascular impairments in Huntington's disease: a novel treatment perspective. 2015 , 5, 389-93	4
1646	Validating Neuro-Computational Models of Neurological and Psychiatric Disorders. 2015,	5
1645	Insulin and IGF1 signalling pathways in human astrocytes in vitro and in vivo; characterisation, subcellular localisation and modulation of the receptors. 2015 , 8, 51	53

1644	Vascular dysfunction in the pathogenesis of Alzheimer's diseaseA review of endothelium-mediated mechanisms and ensuing vicious circles. 2015 , 82, 593-606	177
1643	Quantitative analysis of the capillary network of aged APPswe/PS1dE9 transgenic mice. 2015 , 36, 2954-2962	5
1642	COX-2-Derived Prostaglandin E2 Produced by Pyramidal Neurons Contributes to Neurovascular Coupling in the Rodent Cerebral Cortex. 2015 , 35, 11791-810	67
1641	Brain endothelial TAK1 and NEMO safeguard the neurovascular unit. 2015 , 212, 1529-49	48
1640	Vitamin D deficiency and its relationship with endothelial dysfunction in patients with early Parkinson's disease. 2015 , 122, 1685-91	9
1639	Simvastatin prevents Amyloid(25-35)-impaired neurogenesis in hippocampal dentate gyrus through AnAChR-dependent cascading PI3K-Akt and increasing BDNF via reduction of farnesyl pyrophosphate. 2015 , 97, 122-32	48
1638	Amyloid ©ligomers Disrupt Blood-CSF Barrier Integrity by Activating Matrix Metalloproteinases. 2015 , 35, 12766-78	100
1637	S-nitrosoglutathione reduces tau hyper-phosphorylation and provides neuroprotection in rat model of chronic cerebral hypoperfusion. 2015 , 1624, 359-369	10
1636	Vascular amyloidosis impairs the gliovascular unit in a mouse model of Alzheimer's disease. 2015 , 138, 3716-33	88
1635	tau protein, ischemic injury and vascular dementia. 2015 , 10, 559-575	1
1634	Multimodal optical imaging system for in vivo investigation of cerebral oxygen delivery and energy metabolism. 2015 , 6, 4994-5007	25
1633	Establishment and Dysfunction of the Blood-Brain Barrier. 2015 , 163, 1064-1078	789
1632	Plasma levels of apolipoprotein E and risk of dementia in the general population. 2015, 77, 301-11	96
1631	Vascular contributions to cognitive impairment and dementia including Alzheimer's disease. 2015 , 11, 710-7	364
1630	How longevity research can lead to therapies for Alzheimer's disease: The rapamycin story. 2015 , 68, 51-8	81
1629	Cathepsin D deficiency induces oxidative damage in brain pericytes and impairs the blood-brain barrier. 2015 , 64, 51-60	17
1628	Cerebral amyloid angiopathy, subcortical white matter disease and dementia: literature review and study in OPTIMA. 2015 , 25, 51-62	37
1627	Disease origin and progression in amyotrophic lateral sclerosis: an immunology perspective. 2015 , 27, 117-29	70

1626	Relationships between default-mode network connectivity, medial temporal lobe structure, and age-related memory deficits. 2015 , 36, 265-72	67
1625	In vitro discrimination of the role of LRP1 at the BBB cellular level: focus on brain capillary endothelial cells and brain pericytes. 2015 , 1594, 15-26	45
1624	Amyloid-beta disrupts calcium and redox homeostasis in brain endothelial cells. 2015 , 51, 610-22	38
1623	Astrogliosis. 2014 , 7, a020420	317
1622	Defining the critical hypoxic threshold that promotes vascular remodeling in the brain. 2015 , 263, 132-40	15
1621	Proteomic Study of Degenerative Protein Modifications in the Molecular Pathology of Neurodegeneration and Dementia. 2016 ,	2
1620	Targeting Hypertension to Manage Alzheimer Disease: Rational and Promise. 2016, 06,	1
1619	Effect of High-Insulin on MUC4, MUC5AC, and MUC5B Expression in Airway Epithelial Cells. 2016 , 23, 17	O
1618	Caloric restriction preserves memory and reduces anxiety of aging mice with early enhancement of neurovascular functions. 2016 , 8, 2814-2826	46
1617	Older Adults Taking AT1-Receptor Blockers Exhibit Reduced Cerebral Amyloid Retention. 2016 , 50, 779-89	20
1616	Improvement of Electroacupuncture on APP/PS1 Transgenic Mice in Spatial Learning and Memory Probably due to Expression of A and LRP1 in Hippocampus. 2016 , 2016, 7603975	13
1615	A Dietary Treatment Improves Cerebral Blood Flow and Brain Connectivity in Aging apoE4 Mice. 2016 , 2016, 6846721	42
1614	Antioxidants and Dementia Risk: Consideration through a Cerebrovascular Perspective. 2016, 8,	15
1613	Vascular Contributions to Cognitive Impairment and Treatments with Traditional Chinese Medicine. 2016 , 2016, 9627258	15
1612	Cytotoxic Effects of Ochratoxin A in Neuro-2a Cells: Role of Oxidative Stress Evidenced by N-acetylcysteine. 2016 , 7, 1142	23
1611	Magnetic Resonance Q Mapping Reveals a Decrease in Microvessel Density in the arcAlMouse Model of Cerebral Amyloidosis. 2015 , 7, 241	10
1610	Exercise Counteracts Aging-Related Memory Impairment: A Potential Role for the Astrocytic Metabolic Shuttle. 2016 , 8, 57	24
1609	Degeneration of Dopaminergic Neurons Due to Metabolic Alterations and Parkinson's Disease. 2016 , 8, 65	33

1608	Higher Brain Perfusion May Not Support Memory Functions in Cognitively Normal Carriers of the ApoE Apole Apo	21
1607	Differential Brain Clearance and Catabolism of Monomeric and Oligomeric Alzheimer's Alþrotein. 2016 , 8, 223	26
1606	Amyloid Dysmetabolism Relates to Reduced Glucose Uptake in White Matter Hyperintensities. 2016 , 7, 209	7
1605	The Eye As a Biomarker for Alzheimer's Disease. 2016 , 10, 536	129
1604	Restraint Stress-Induced Morphological Changes at the Blood-Brain Barrier in Adult Rats. 2015 , 8, 88	63
1603	Genetic Association of CHAT rs3810950 and rs2177369 Polymorphisms with the Risk of Alzheimer's Disease: A Meta-Analysis. 2016 , 2016, 9418163	8
1602	A potential therapeutic effect of saikosaponin C as a novel dual-target anti-Alzheimer agent. 2016 , 136, 1232-1245	22
1601	Astrocytes drive upregulation of the multidrug resistance transporter ABCB1 (P-Glycoprotein) in endothelial cells of the blood-brain barrier in mutant superoxide dismutase 1-linked amyotrophic lateral sclerosis. 2016 , 64, 1298-313	42
1600	MicroRNA-146a represses LRP2 translation and leads to cell apoptosis in Alzheimer's disease. 2016 , 590, 2190-200	26
1599	Predictors of Cognitive and Functional Decline in Patients With Alzheimer Disease Dementia From Brazil. 2016 , 30, 243-50	15
1598	Effects of Controlled Cortical Impact on the Mouse Brain Vasculome. 2016 , 33, 1303-16	13
1597	Arterial stiffness and medial temporal lobe atrophy in elders with memory disorders. 2016 , 34, 1331-7	13
1596	Chronic cerebrovascular dysfunction after traumatic brain injury. 2016 , 94, 609-22	70
1595	Alzheimer's disease: A review of its visual system neuropathology. Optical coherence tomography-a potential role as a study tool in vivo. 2016 , 254, 2079-2092	17
1594	Cerebral white matter lesions - associations with Allsoforms and amyloid PET. 2016 , 6, 20709	41
1593	HMGB1 and thrombin mediate the blood-brain barrier dysfunction acting as biomarkers of neuroinflammation and progression to neurodegeneration in Alzheimer's disease. 2016 , 13, 194	114
1592	Bexarotene targets autophagy and is protective against thromboembolic stroke in aged mice with tauopathy. 2016 , 6, 33176	21

1590	Strong Impact of Chronic Cerebral Hypoperfusion on Neurovascular Unit, Cerebrovascular Remodeling, and Neurovascular Trophic Coupling in Alzheimer's Disease Model Mouse. 2016 , 52, 113-26	38
1589	TLR2/4 deficiency prevents oxygen-induced vascular degeneration and promotes revascularization by downregulating IL-17 in the retina. 2016 , 6, 27739	8
1588	Biochemistry of Oxidative Stress. 2016 ,	3
1587	Exercise protects against methamphetamine-induced aberrant neurogenesis. 2016, 6, 34111	19
1586	Glucose Transporters in Brain: In Health and in Alzheimer's Disease. 2017 , 55, 1307-1320	100
1585	Glial Dysfunction and Blood-Brain Barrier Impairment in the Developing Brain. 2016 , 6, 69-82	1
1584	The Disconnection Hypothesis in 'Alzheimer's Disease Studied Through Multimodal Magnetic Resonance Imaging: Structural, Perfusion, and Diffusion Tensor Imaging. 2016 , 50, 1051-64	13
1583	Neurovascular Coupling Mediated by Neuronal Derived-Nitric Oxide: Mechanisms in Health and Dysfunction with Impact on Aging and Alzheimer Disease. 2016 , 289-308	1
1582	Ratio of apoB/LDL: a potential clinical index for vascular cognitive impairment. 2016 , 16, 243	3
1581	Dogs with Cognitive Dysfunction as a Spontaneous Model for Early Alzheimer's Disease: A Translational Study of Neuropathological and Inflammatory Markers. 2016 , 52, 433-49	43
1580	Low Prevalence of Mixed Dementia in a Cohort of 2,000 Elderly Patients in a Memory Clinic Setting. 2016 , 50, 797-806	18
1579	Neurovascular and Cognitive failure in Alzheimer's Disease: Benefits of Cardiovascular Therapy. 2016 , 36, 219-32	29
1578	Pericytes of the neurovascular unit: key functions and signaling pathways. 2016 , 19, 771-83	530
1577	Impaired thermoregulation and beneficial effects of thermoneutrality in the 3IIg-AD model of Alzheimer's disease. 2016 , 43, 47-57	32
1576	Effects of vascular risk factors, statins, and antihypertensive drugs on PiB deposition in cognitively normal subjects. 2016 , 2, 95-104	13
1575	Decreased hemoglobin levels, cerebral small-vessel disease, and cortical atrophy: among cognitively normal elderly women and men. 2016 , 28, 147-56	10
1574	Na(+), K(+)-ATPase dysfunction causes cerebrovascular endothelial cell degeneration in rat prefrontal cortex slice cultures. 2016 , 1644, 249-57	5
1573	Nanoparticle-mediated brain drug delivery: Overcoming blood-brain barrier to treat neurodegenerative diseases. 2016 , 235, 34-47	766

1572	Summative effects of vascular risk factors on cortical thickness in mild cognitive impairment. 2016 , 45, 98-106	17
1571	In vitro models of the blood-brain barrier: An overview of commonly used brain endothelial cell culture models and guidelines for their use. 2016 , 36, 862-90	414
1570	Brain imaging of neurovascular dysfunction in Alzheimer's disease. 2016 , 131, 687-707	124
1569	A roadmap for investigating the role of the prion protein in depression associated with neurodegenerative disease. 2016 , 10, 131-42	3
1568	LXR activation protects hippocampal microvasculature in very old triple transgenic mouse model of Alzheimer's disease. 2016 , 621, 15-21	14
1567	Genetic susceptibility to vascular cognitive impairment: a pathophysiological view. 2016 , 11, 119-134	1
1566	The effect of aging on brain barriers and the consequences for Alzheimer's disease development. 2016 , 27, 407-20	33
1565	The Science of Vascular Contributions to Cognitive Impairment and Dementia (VCID): A Framework for Advancing Research Priorities in the Cerebrovascular Biology of Cognitive Decline. 2016 , 36, 281-8	109
1564	Intermittent hypoxia training protects cerebrovascular function in Alzheimer's disease. 2016 , 241, 1351-63	36
1563	Neuroinflammation in Alzheimer's disease: Current evidence and future directions. 2016 , 12, 719-32	632
1562	Circulating IGF-1 deficiency exacerbates hypertension-induced microvascular rarefaction in the mouse hippocampus and retrosplenial cortex: implications for cerebromicrovascular and brain aging. 2016 , 38, 273-289	53
1561	Physiological cerebrovascular remodeling in response to chronic mild hypoxia: A role for activated protein C. 2016 , 283, 396-403	5
1560	Meox2 haploinsufficiency increases neuronal cell loss in a mouse model of Alzheimer's disease. 2016 , 42, 50-60	16
1559	Cardiac and Carotid Markers Link With Accelerated Brain Atrophy: The AGES-Reykjavik Study (Age, Gene/Environment Susceptibility-Reykjavik). 2016 , 36, 2246-2251	18
1558	Imaging Neurodegeneration: What Can Magnetic Resonance Spectroscopy Contribute?. 2016, 1-11	O
1557	Major pathogenic mechanisms in vascular dementia: Roles of cellular stress response and hormesis in neuroprotection. 2016 , 94, 1588-1603	62
1556	Late-Life Vascular Risk Factors and Alzheimer Disease Neuropathology in Individuals with Normal Cognition. 2016 , 75, 955-962	18
1555	Multifunctional Phosphorescent Conjugated Polymer Dots for Hypoxia Imaging and Photodynamic Therapy of Cancer Cells. 2016 , 3, 1500155	94

1554	Aging and computational systems biology. 2016 , 8, 123-39	27
1553	The contribution of neuroinflammation to amyloid toxicity in Alzheimer's disease. 2016 , 136, 457-74	228
1552	Pharmacological targeting of the PDGF-CC signaling pathway for blood-brain barrier restoration in neurological disorders. 2016 , 167, 108-119	23
1551	ECaryophyllene protects in vitro neurovascular unit against oxygen-glucose deprivation and re-oxygenation-induced injury. 2016 , 139, 757-768	35
1550	Interpreting BOLD: towards a dialogue between cognitive and cellular neuroscience. 2016 , 371,	26
1549	Cerebral vasomotor reactivity in neurodegenerative diseases. 2016 , 50, 455-462	23
1548	Re-engineering therapeutic antibodies for Alzheimer's disease as blood-brain barrier penetrating bi-specific antibodies. 2016 , 16, 1455-1468	41
1547	Transgenic over-expression of slit2 enhances disruption of blood-brain barrier and increases cell death after traumatic brain injury in mice. 2016 , 631, 85-90	6
1546	The relationship between serum paraoxonase levels and carotid atherosclerotic plaque formation in Alzheimer's patients. 2016 , 50, 403-409	11
1545	Abnormal Grey Matter Arteriolar Cerebral Blood Volume in Schizophrenia Measured With 3D Inflow-Based Vascular-Space-Occupancy MRI at 7T. 2017 , 43, 620-632	23
1544	Non-Neuronal Mechanisms of Brain Damage and Repair After Stroke. 2016 ,	
1543	Crosstalk Between Cerebral Endothelium and Oligodendrocyte After Stroke. 2016 , 151-170	1
1542	Cognitive Function, APOE Gene Polymorphisms, and Thyroid Status Associations in Postmenopausal Women in Poland. 2016 , 42, 169-185	6
1541	N-Terminal Pro-B Type Natriuretic Peptide is Associated with Mild Cognitive Impairment in the General Population. 2017 , 55, 359-369	8
1540	Hydrogen sulfide ameliorates learning memory impairment in APP/PS1 transgenic mice: A novel mechanism mediated by the activation of Nrf2. 2016 , 150-151, 207-216	47
1539	Neurovascular Protective Function of Endothelial Nitric Oxide - Recent Advances. 2016 , 80, 1499-503	34
1538	Cerebral Edema in Traumatic Brain Injury: Pathophysiology and Prospective Therapeutic Targets. 2016 , 27, 473-88	89
1537	Transporters as Drug Targets in Neurological Diseases. 2016 , 100, 441-453	18

1536	Dishing out mini-brains: Current progress and future prospects in brain organoid research. 2016 , 420, 199-209	185
1535	Computational and In Vitro Studies of Blast-Induced Blood-Brain Barrier Disruption. 2016 , 38, B347-B374	6
1534	(210)Po in drinking water, its potential health effects, and inadequacy of the gross alpha activity MCL. 2016 , 568, 1010-1017	7
1533	Update and New Directions in Therapeutics for Neurological Complications of HIV Infections. 2016 , 13, 471-6	7
1532	Characterization of mouse spinal cord vascular network by means of synchrotron radiation X-ray phase contrast tomography. 2016 , 32, 1779-1784	14
1531	Brain endothelial dysfunction following pyrithiamine induced thiamine deficiency in the rat. 2016 , 57, 298-309	10
1530	Cryopreservation of Brain Endothelial Cells Derived from Human Induced Pluripotent Stem Cells Is Enhanced by Rho-Associated Coiled Coil-Containing Kinase Inhibition. 2016 , 22, 1085-1094	21
1529	Impact of the Airborne Particulate Matter onthe Human Health. 2016 , 597-643	1
1528	Plasma levels of apolipoprotein E, APOE genotype and risk of dementia and ischemic heart disease: A review. 2016 , 255, 145-155	53
1527	Insight of brain degenerative protein modifications in the pathology of neurodegeneration and dementia by proteomic profiling. 2016 , 9, 92	27
1526	Treating Hypertension to Prevent Cognitive Decline and Dementia: Re-Opening the Debate. 2017 , 956, 447-473	19
1525	Early role of vascular dysregulation on late-onset Alzheimer's disease based on multifactorial data-driven analysis. 2016 , 7, 11934	547
1524	Association of Plasma AIIO Peptides, But Not AII2, with Coronary Artery Disease and Diabetes Mellitus. 2016 , 52, 161-9	10
1523	High-Throughput Screening for îdentification of Blood-Brain Barrier Integrity Enhancers: A Drug Repurposing Opportunity to Rectify Vascular Amyloid Toxicity. 2016 , 53, 1499-516	31
1522	Vascular Contributions in Alzheimer's Disease-Related Neuropathological Changes: First Autopsy Evidence from a South Asian Aging Population. 2016 , 54, 1607-1618	16
1521	Factors Associated with Changes in Brain Atrophy during a Three-Year Observation in Elderly Diabetic Patients: Effect of Renal Impairment on Hippocampal Atrophy. 2016 , 6, 55-67	4
1520	Poster Abstracts. 2016 , 36, 174-738	2
1519	Aortic Stiffness, Cerebrovascular Dysfunction, and Memory. 2016 , 4, 69-77	35

1518	Life's Simple 7's Cardiovascular Health Metrics are Associated with Hispanic/Latino Neurocognitive Function: HCHS/SOL Results. 2016 , 53, 955-65	25
1517	Patients that have Undergone Hemodialysis Exhibit Lower Amyloid Deposition in the Brain: Evidence Supporting a Therapeutic Strategy for Alzheimer's Disease by Removal of Blood Amyloid. 2016 , 51, 997-1002	25
1516	The restorative role of annexin A1 at the blood-brain barrier. 2016 , 13, 17	29
1515	Dose-Dependent Neuroprotection and Neurotoxicity of Simvastatin through Reduction of Farnesyl Pyrophosphate in Mice Treated with Intracerebroventricular Injection of All-42. 2016 , 50, 501-16	10
1514	Blood B rain Barrier Transport of Alzheimer Amyloid Peptide. 2016 , 251-270	4
1513	Cerebral blood flow modulation insufficiency in brain networks in multiple sclerosis: A hypercapnia MRI study. 2016 , 36, 2087-2095	27
1512	Neurovascular unit impairment in early Alzheimer's disease measured with magnetic resonance imaging. 2016 , 45, 190-196	109
1511	Influence of four polymorphisms in ABCA1 and PTGS2 genes on risk of Alzheimer's disease: a meta-analysis. 2016 , 37, 1209-20	20
1510	Possible involvement of basic FGF in the upregulation of PDGFRIIn pericytes after ischemic stroke. 2016 , 1630, 98-108	42
1509	Age-dependent increase of blood-brain barrier permeability and neuron-binding autoantibodies in S100B knockout mice. 2016 , 1637, 154-167	23
1508	Optimal acquisition and modeling parameters for accurate assessment of low Ktrans blood-brain barrier permeability using dynamic contrast-enhanced MRI. 2016 , 75, 1967-77	70
1507	Kallikrein-8 inhibition attenuates Alzheimer's disease pathology in mice. 2016 , 12, 1273-1287	29
1506	White matter hyperintensities are a core feature of Alzheimer's disease: Evidence from the dominantly inherited Alzheimer network. 2016 , 79, 929-39	247
1505	GSTM1 Null Genotype and GSTP1 Ile105Val Polymorphism Are Associated with Alzheimer's Disease: a Meta-Analysis. 2016 , 53, 1355-1364	17
1504	Reduced Cerebral Perfusion Pressure during Lung Transplant Surgery Is Associated with Risk, Duration, and Severity of Postoperative Delirium. 2016 , 13, 180-7	26
1503	Diverging longitudinal changes in astrocytosis and amyloid PET in autosomal dominant Alzheimer's disease. 2016 , 139, 922-36	177
1502	Detrimental role of pericyte Nox4 in the acute phase of brain ischemia. 2016 , 36, 1143-54	45
1501	The role of nitric oxide in neurovascular coupling. 2016 , 394, 1-17	42

1500	Vascular mTOR-dependent mechanisms linking the control of aging to Alzheimer's disease. 2016 , 1862, 992-1007	23
1499	The role of insulin in the vascular contributions to age-related dementia. 2016 , 1862, 983-91	41
1498	Salmon-derived thrombin inhibits development of chronic pain through an endothelial barrier protective mechanism dependent on APC. 2016 , 80, 96-105	16
1497	Assessment of electrophile damage in a human brain endothelial cell line utilizing a clickable alkyne analog of 2-chlorohexadecanal. 2016 , 90, 59-74	12
1496	Cerebral small vessel disease: Capillary pathways to stroke and cognitive decline. 2016 , 36, 302-25	164
1495	Cellular response of the blood-brain barrier to injury: Potential biomarkers and therapeutic targets for brain regeneration. 2016 , 91, 262-73	31
1494	Vascular Cell Senescence Contributes to Blood-Brain Barrier Breakdown. 2016 , 47, 1068-77	103
1493	The Cellular Phase of Alzheimer's Disease. 2016 , 164, 603-15	849
1492	Pharmacological modulation of dietary lipid-induced cerebral capillary dysfunction: Considerations for reducing risk for Alzheimer's disease. 2016 , 53, 166-83	8
1491	Hydrogen sulfide promotes angiogenesis by downregulating miR-640 via the VEGFR2/mTOR pathway. 2016 , 310, C305-17	42
1490	Apolipoprotein E and Amyloid-⊞ndependent Mechanisms in Alzheimer⊞ Disease. 2016 , 171-196	1
1489	Imbalanced cholesterol metabolism in Alzheimer's disease. 2016 , 456, 107-114	73
1488	The Outward Spiral: A vicious cycle model of obesity and cognitive dysfunction. 2016 , 9, 40-46	50
1487	Vascular contributions to cognitive impairment and dementia (VCID). 2016 , 1862, 857-9	29
1486	Antidepressant-like effects of sodium butyrate and its possible mechanisms of action in mice exposed to chronic unpredictable mild stress. 2016 , 618, 159-166	83
1485	Immunotherapies in Alzheimer's disease: Too much, too little, too late or off-target?. 2016 , 131, 481-504	25
1484	Neurovascular dysfunction and neurodegeneration in dementia and Alzheimer's disease. 2016 , 1862, 887-900	269
1483	Novel imaging techniques in cerebral small vessel diseases and vascular cognitive impairment. 2016 , 1862, 926-38	45

1482	Cerebral Vasoreactivity, Apolipoprotein E, and the Risk of Dementia: A Population-Based Study. 2016 , 36, 204-10	33
1481	Heterogeneous vascular permeability and alternative diffusion barrier in sensory circumventricular organs of adult mouse brain. 2016 , 363, 497-511	46
1480	Assessing intracranial vascular compliance using dynamic arterial spin labeling. 2016 , 124, 433-441	28
1479	The hunt for brain Albligomers by peripherally circulating multi-functional nanoparticles: Potential therapeutic approach for Alzheimer disease. 2016 , 12, 43-52	40
1478	A specific RAGE-binding peptide biopanning from phage display random peptide library that ameliorates symptoms in amyloid [peptide-mediated neuronal disorder. 2016 , 100, 825-35	25
1477	Blood-Brain Barrier Permeability and Gadolinium: Benefits and Potential Pitfalls in Research. 2016 , 73, 13-4	56
1476	Endothelial Dysfunction and Amyloid-Enduced Neurovascular Alterations. 2016 , 36, 155-65	63
1475	Tissue-Plasminogen Activator Attenuates Alzheimer's Disease-Related Pathology Development in APPswe/PS1 Mice. 2016 , 41, 1297-307	23
1474	Chronic hypoxia facilitates Alzheimer's disease through demethylation of Becretase by downregulating DNA methyltransferase 3b. 2016 , 12, 130-143	37
1473	Microglia in Alzheimer's disease: A multifaceted relationship. 2016 , 55, 138-150	71
1472	Discosting the Contribution of Versular Alterations and Asian to Alphainer's Discost 2016, F2, 2702, 2011	
	Dissecting the Contribution of Vascular Alterations and Aging to Alzheimer's Disease. 2016 , 53, 3793-3811	33
1471	Apolipoprotein E Regulates Injury-Induced Activation of Hippocampal Neural Stem and Progenitor Cells. 2016 , 33, 362-74	17
1471 1470	Apolipoprotein E Regulates Injury-Induced Activation of Hippocampal Neural Stem and Progenitor	
	Apolipoprotein E Regulates Injury-Induced Activation of Hippocampal Neural Stem and Progenitor Cells. 2016 , 33, 362-74 Accelerated pericyte degeneration and blood-brain barrier breakdown in apolipoprotein E4 carriers	17
1470	Apolipoprotein E Regulates Injury-Induced Activation of Hippocampal Neural Stem and Progenitor Cells. 2016, 33, 362-74 Accelerated pericyte degeneration and blood-brain barrier breakdown in apolipoprotein E4 carriers with Alzheimer's disease. 2016, 36, 216-27 Astrocytes in neuroprotection and neurodegeneration: The role of connexin43 and pannexin1.	17 329
1470 1469	Apolipoprotein E Regulates Injury-Induced Activation of Hippocampal Neural Stem and Progenitor Cells. 2016, 33, 362-74 Accelerated pericyte degeneration and blood-brain barrier breakdown in apolipoprotein E4 carriers with Alzheimer's disease. 2016, 36, 216-27 Astrocytes in neuroprotection and neurodegeneration: The role of connexin43 and pannexin1. 2016, 323, 207-21 Hypertension enhances Alinduced neurovascular dysfunction, promotes (Becretase activity, and	17 329 44
1470 1469 1468	Apolipoprotein E Regulates Injury-Induced Activation of Hippocampal Neural Stem and Progenitor Cells. 2016, 33, 362-74 Accelerated pericyte degeneration and blood-brain barrier breakdown in apolipoprotein E4 carriers with Alzheimer's disease. 2016, 36, 216-27 Astrocytes in neuroprotection and neurodegeneration: The role of connexin43 and pannexin1. 2016, 323, 207-21 Hypertension enhances Alinduced neurovascular dysfunction, promotes (Becretase activity, and leads to amyloidogenic processing of APP. 2016, 36, 241-52 Phosphatase 2A Inhibition Affects Endoplasmic Reticulum and Mitochondria Homeostasis Via	17 329 44 97

1464	Interneuron Deficit Associates Attenuated Network Synchronization to Mismatch of Energy Supply and Demand in Aging Mouse Brains. 2017 , 27, 646-659	30
1463	APOE and MS4A6A interact with GnRH signaling in Alzheimer's disease: Enrichment of epistatic effects. 2017 , 13, 493-497	5
1462	Astroglial Scarring and Seizures: A Cell Biological Perspective on Epilepsy. 2017 , 23, 152-168	32
1461	Novel roles of oligodendrocyte precursor cells in the developing and damaged brain. 2017, 8, 33-42	9
1460	VEGF mimic peptides: Potential applications in central nervous system therapeutics. 2017 , 3, 233	2
1459	Pericyte degeneration leads to neurovascular uncoupling and limits oxygen supply to brain. 2017 , 20, 406-416	279
1458	Regional staging of white matter signal abnormalities in aging and Alzheimer's disease. 2017 , 14, 156-165	28
1457	Retinal biomarkers provide "insight" into cortical pharmacology and disease. 2017 , 175, 151-177	22
1456	New Insight Into the Pathogenesis of Cerebral Small-Vessel Diseases. 2017 , 48, 520-527	36
1455	Bidirectional relationship of mast cells-neurovascular unit communication in neuroinflammation and its involvement in POCD. 2017 , 322, 60-69	25
1454	Structural Reconstruction of the Perivascular Space in the Adult Mouse Neurohypophysis During an Osmotic Stimulation. 2017 , 29,	5
1453	Impairment of blood-brain barrier is an early event in R6/2 mouse model of Huntington Disease. 2017 , 7, 41316	43
1452	Anti-RAGE antibody attenuates isoflurane-induced cognitive dysfunction in aged rats. 2017, 322, 167-176	7
1451	Blood-brain barrier-on-a-chip: Microphysiological systems that capture the complexity of the blood-central nervous system interface. 2017 , 242, 1669-1678	69
1450	PPARs in the central nervous system: roles in neurodegeneration and neuroinflammation. 2017 , 92, 2046-206	948
1449	Randomized trial on the effects of a combined physical/cognitive training in aged MCI subjects: the Train the Brain study. 2017 , 7, 39471	76
1448	APOE 3 status is associated with white matter hyperintensities volume accumulation rate independent of AD diagnosis. 2017 , 53, 67-75	24
1447	Astrocytic LRP1 Mediates Brain AlClearance and Impacts Amyloid Deposition. 2017 , 37, 4023-4031	115

1446	Diagnostic function of the neuroinflammatory biomarker YKL-40 in Alzheimer's disease and other neurodegenerative diseases. 2017 , 14, 285-299	49
1445	Vulnerability of primary neurons derived from Tg2576 Alzheimer mice to oxygen and glucose deprivation: role of intraneuronal amyloid-🗈 ccumulation and astrocytes. 2017 , 10, 671-678	14
1444	Multifactorial causal model of brain (dis)organization and therapeutic intervention: Application to Alzheimer's disease. 2017 , 152, 60-77	70
1443	Markers of neuroinflammation associated with Alzheimer's disease pathology in older adults. 2017 , 62, 203-211	63
1442	Neurovascular uncoupling in the triple transgenic model of Alzheimer's disease: Impaired cerebral blood flow response to neuronal-derived nitric oxide signaling. 2017 , 291, 36-43	40
1441	Non-viral vectors based on magnetoplexes, lipoplexes and polyplexes for VEGF gene delivery into central nervous system cells. 2017 , 521, 130-140	15
1440	Obesity and neuroinflammatory phenotype in mice lacking endothelial megalin. 2017, 14, 26	17
1439	Vascular protective effects of KLF2 on Allnduced toxicity: Implications for Alzheimer's disease. 2017 , 1663, 174-183	8
1438	Chronic depletion of gonadal testosterone leads to blood-brain barrier dysfunction and inflammation in male mice. 2017 , 37, 3161-3175	44
1437	Two-level diagnostic classification using cerebrospinal fluid YKL-40 in Alzheimer's disease. 2017 , 13, 993-1003	35
	Two-level diagnostic classification using cerebrospinal fluid YKL-40 in Alzheimer's disease. 2017 , 13, 993-1003 Energy and the Alzheimer brain. 2017 , 75, 297-313	20
1436	Energy and the Alzheimer brain. 2017 , 75, 297-313 Ultrasound and dynamic functional imaging in vascular cognitive impairment and Alzheimer's	20
1436 1435	Energy and the Alzheimer brain. 2017, 75, 297-313 Ultrasound and dynamic functional imaging in vascular cognitive impairment and Alzheimer's disease. 2017, 15, 27 Enhanced interstitial fluid drainage in the hippocampus of spontaneously hypertensive rats. 2017,	20
1436 1435 1434	Energy and the Alzheimer brain. 2017, 75, 297-313 Ultrasound and dynamic functional imaging in vascular cognitive impairment and Alzheimer's disease. 2017, 15, 27 Enhanced interstitial fluid drainage in the hippocampus of spontaneously hypertensive rats. 2017, 7, 744 Association Between Midlife Vascular Risk Factors and Estimated Brain Amyloid Deposition. 2017,	20 41 18
1436 1435 1434 1433	Energy and the Alzheimer brain. 2017, 75, 297-313 Ultrasound and dynamic functional imaging in vascular cognitive impairment and Alzheimer's disease. 2017, 15, 27 Enhanced interstitial fluid drainage in the hippocampus of spontaneously hypertensive rats. 2017, 7, 744 Association Between Midlife Vascular Risk Factors and Estimated Brain Amyloid Deposition. 2017, 317, 1443-1450	20 41 18 299
1436 1435 1434 1433	Energy and the Alzheimer brain. 2017, 75, 297-313 Ultrasound and dynamic functional imaging in vascular cognitive impairment and Alzheimer's disease. 2017, 15, 27 Enhanced interstitial fluid drainage in the hippocampus of spontaneously hypertensive rats. 2017, 7, 744 Association Between Midlife Vascular Risk Factors and Estimated Brain Amyloid Deposition. 2017, 317, 1443-1450 Early neurovascular dysfunction in a transgenic rat model of Alzheimer's disease. 2017, 7, 46427 Size-selective opening of the blood-brain barrier by targeting endothelial sphingosine 1-phosphate	20 41 18 299

1428	Blood B rain Barrier Transporters and Neuroinflammation: Partners in Neuroprotection and in Pathology. 2017 , 103-151	1
1427	Cholesterol as a modifying agent of the neurovascular unit structure and function under physiological and pathological conditions. 2017 , 32, 935-948	25
1426	Hypoxic-Ischaemic Encephalopathy and the Blood-Brain Barrier in Neonates. 2017 , 39, 49-58	27
1425	Brain metabolism in health, aging, and neurodegeneration. 2017 , 36, 1474-1492	273
1424	Therapeutic Strategies and Drug Development for Vascular Cognitive Impairment. 2017, 6,	26
1423	Cilostazol as an add-on therapy for patients with Alzheimer's disease in Taiwan: a case control study. 2017 , 17, 40	33
1422	Astrocyte dysfunction in Alzheimer disease. 2017 , 95, 2430-2447	115
1421	The vicious circle of hypometabolism in neurodegenerative diseases: Ways and mechanisms of metabolic correction. 2017 , 95, 2217-2235	99
1420	Biological effects of blood-brain barrier disruption using a focused ultrasound. 2017 , 7, 115-120	10
1419	Neurovascular-neuroenergetic coupling axis in the brain: master regulation by nitric oxide and consequences in aging and neurodegeneration. 2017 , 108, 668-682	46
1418	UB-311, a novel UBITh amyloid ферtide vaccine for mild Alzheimer's disease. 2017 , 3, 262-272	60
1417	Pathophysiology of the Blood B rain Barrier in Neuroinflammatory Diseases. 2017 , 61-79	
1416	The blood brain barrier in Alzheimer's disease. 2017 , 89, 12-18	66
1415	An endothelial link between the benefits of physical exercise in dementia. 2017 , 37, 2649-2664	36
1414	Inhibition of SENP3 by URB597 ameliorates neurovascular unit dysfunction in rats with chronic cerebral hypoperfusion. 2017 , 91, 872-879	10
1413	Cerebral blood flow regulation and neurovascular dysfunction in Alzheimer disease. <i>Nature Reviews Neuroscience</i> , 2017 , 18, 419-434	538
1412	Brain Perivascular Macrophages Initiate the Neurovascular Dysfunction of Alzheimer AlPeptides. 2017 , 121, 258-269	92
1411	Gene therapy decreases seizures in a model of Incontinentia pigmenti. 2017 , 82, 93-104	11

1410	Epidermal growth factor prevents -induced cognitive and cerebrovascular deficits in female mice. 2017 , 3, e00319	17
1409	Cerebrovascular resistance: effects on cognitive decline, cortical atrophy, and progression to dementia. 2017 , 140, 1987-2001	76
1408	Blood-brain barrier pericyte importance in malignant gliomas: what we can learn from stroke and Alzheimer's disease. 2017 , 19, 1173-1182	21
1407	Cerebral Perfusion and the Risk of Dementia: A Population-Based Study. 2017 , 136, 719-728	203
1406	Cytochrome P450 eicosanoids in cerebrovascular function and disease. 2017 , 179, 31-46	30
1405	Maternal alcohol exposure during mid-pregnancy dilates fetal cerebral arteries via endocannabinoid receptors. 2017 , 61, 51-61	15
1404	Insulin signaling: An opportunistic target to minify the risk of Alzheimer's disease. 2017 , 83, 159-171	44
1403	Transthyretin stability is critical in assisting beta amyloid clearance- Relevance of transthyretin stabilization in Alzheimer's disease. 2017 , 23, 605-619	27
1402	Emerging concepts in sporadic cerebral amyloid angiopathy. 2017 , 140, 1829-1850	213
1401	Olfactory evaluation in Mild Cognitive Impairment: correlation with neurocognitive performance and endothelial function. 2017 , 45, 1279-1288	10
1400	Brain metastasization of breast cancer. 2017 , 1868, 132-147	43
1399	Capillary dysfunction is associated with symptom severity and neurodegeneration in Alzheimer's disease. 2017 , 13, 1143-1153	65
1398	Drug voyager: a computational platform for exploring unintended drug action. 2017 , 18, 131	8
1397	The Blood Brain Barrier and Inflammation. 2017,	1
1396	Cellular cholesterol homeostasis and Alzheimer's disease. 2017 , 58, 2239-2254	63
1395	Defining the Relationship Between Hypertension, Cognitive Decline, and Dementia: a Review. 2017 , 19, 24	174
1394	Neuroimaging Biomarkers of Caloric Restriction on Brain Metabolic and Vascular Functions. 2017 , 6, 41-48	8
1393	Modeling the Relationships Among Late-Life Body Mass Index, Cerebrovascular Disease, and Alzheimer's Disease Neuropathology in an Autopsy Sample of 1,421 Subjects from the National Alzheimer's Coordinating Center Data Set. 2017 , 57, 953-968	15

1392	Macrovascular and microvascular cerebral blood flow in adults at risk for Alzheimer's disease. 2017 , 7, 48-55	22
1391	Linking deregulation of non-coding RNA to the core pathophysiology of Alzheimer's disease: An integrative review. 2017 , 156, 1-68	82
1390	KDM4B histone demethylase and G9a regulate expression of vascular adhesion proteins in cerebral microvessels. 2017 , 7, 45005	17
1389	Brain Pericytes As Mediators of Neuroinflammation. 2017 , 38, 291-304	169
1388	Functional vascular contributions to cognitive impairment and dementia: mechanisms and consequences of cerebral autoregulatory dysfunction, endothelial impairment, and neurovascular uncoupling in aging. 2017 , 312, H1-H20	240
1387	Hypoxia/ischemia activate processing of Amyloid Precursor Protein: impact of vascular dysfunction in the pathogenesis of Alzheimer's disease. 2017 , 140, 536-549	100
1386	White matter hyperintensities are associated with disproportionate progressive hippocampal atrophy. 2017 , 27, 249-262	45
1385	The ameliorative effects of exercise on cognitive impairment and white matter injury from blood-brain barrier disruption induced by chronic cerebral hypoperfusion in adolescent rats. 2017 , 638, 83-89	23
1384	Cerebral blood flow measured by arterial spin labeling MRI at resting state in normal aging and Alzheimer's disease. 2017 , 72, 168-175	93
1383	Anserine (beta-alanyl-3-methyl-L-histidine) improves neurovascular-unit dysfunction and spatial memory in aged APPswe/PSEN1dE9 Alzheimer's-model mice. 2017 , 7, 12571	29
1382	The vascular facet of late-onset Alzheimer's disease: an essential factor in a complex multifactorial disorder. 2017 , 30, 623-629	7
1381	Endothelial LRP1 - A Potential Target for the Treatment of Alzheimer's Disease: Theme: Drug Discovery, Development and Delivery in Alzheimer's Disease Guest Editor: Davide Brambilla. 2017 , 34, 2637-2651	25
1380	Sildenafil Improves Vascular and Metabolic Function in Patients with Alzheimer's Disease. 2017 , 60, 1351-136	427
1379	Diagonal Earlobe Crease is a Visible Sign for Cerebral Small Vessel Disease and Amyloid- 2017 , 7, 13397	4
1378	Healthcare and Big Data Management. 2017,	2
1377	Alzheimer's disease: A matter of blood-brain barrier dysfunction?. 2017 , 214, 3151-3169	312
1376	Puerarin and Amlodipine Improvement of D-Galactose-Induced Impairments of Behaviour and Neurogenesis in Mouse Dentate Gyrus: Correlation with Glucocorticoid Receptor Expression. 2017 , 42, 3268-3278	4
1375	Hypertension impairs neurovascular coupling and promotes microvascular injury: role in exacerbation of Alzheimer's disease. 2017 , 39, 359-372	55

1374	Diagnostic Accuracy of Memory Measures in Alzheimer's Dementia and Mild Cognitive Impairment: a Systematic Review and Meta-Analysis. 2017 , 27, 354-388	74
1373	Sodium butyrate exerts protective effect against Parkinson's disease in mice via stimulation of glucagon like peptide-1. 2017 , 381, 176-181	73
1372	Pharmacokinetics of Cromolyn and Ibuprofen in Healthy Elderly Volunteers. 2017, 37, 1025-1034	13
1371	Peripheral Inflammation, Apolipoprotein E4, and Amyloid-Interact to Induce Cognitive and Cerebrovascular Dysfunction. 2017 , 9, 1759091417719201	38
1370	Steady-State Free Ca in Astrocytes Is Decreased by Experience and Impacts Arteriole Tone. 2017 , 37, 8150-8165	19
1369	Cognitive behavioral therapy (CBT) for preventing Alzheimer's disease. 2017 , 334, 163-177	7
1368	Inhibition of glial hemichannels by boldine treatment reduces neuronal suffering in a murine model of Alzheimer's disease. 2017 , 65, 1607-1625	49
1367	In Vitro Assays to Assess Blood-brain Barrier Mesh-like Vessel Formation and Disruption. 2017 ,	1
1366	and gut microbiota in multiple sclerosis versus Alzheimer's disease: 10 pitfalls of microbiome studies. 2017 , 8, 215-232	31
1365	Hypertension is associated with worse cognitive function and hippocampal hypometabolism in Alzheimer's disease. 2017 , 24, 1173-1182	36
1364	The vascular basement membrane in the healthy and pathological brain. 2017 , 37, 3300-3317	193
1363	Statistically Derived Subtypes and Associations with Cerebrospinal Fluid and Genetic Biomarkers in Mild Cognitive Impairment: A Latent Profile Analysis. 2017 , 23, 564-576	31
1362	Role of clusterin in the brain vascular clearance of amyloid-[]2017, 114, 8681-8682	52
1361	Hyperbranched Phosphorescent Conjugated Polymer Dots with Iridium(III) Complex as the Core for Hypoxia Imaging and Photodynamic Therapy. 2017 , 9, 28319-28330	60
1360	Effects of Camellia Sinensis Extract on Passive Avoidance Learning and Hippocampal Neurogenesis in Rats. 2017 , 49, 135-142	1
1359	Predicting neurocognitive function with hippocampal volumes and DTI metrics in patients with Alzheimer's dementia and mild cognitive impairment. 2017 , 7, e00766	23
1358	Blood-Brain Glucose Transfer in Alzheimer's disease: Effect of GLP-1 Analog Treatment. 2017 , 7, 17490	63
1357	Influence of Circulating Endothelin-1 and Asymmetric Dimethylarginine on Whole Brain Circulation Time in Multiple Sclerosis. 2017 , 12, 1177271917712514	6

1356	Identification of a peptide recognizing cerebrovascular changes in mouse models of Alzheimer's disease. 2017 , 8, 1403	31
1355	Characterization of ApoJ-reconstituted high-density lipoprotein (rHDL) nanodisc for the potential treatment of cerebral Eamyloidosis. 2017 , 7, 14637	22
1354	Animal Models of Alzheimer Disease. 2017 , 1031-1085	9
1353	Behavioural inflexibility in a comorbid rat model of striatal ischemic injury and mutant hAPP overexpression. 2017 , 333, 267-275	10
1352	Transcriptome Sequencing Reveals Astrocytes as a Therapeutic Target in Heat-Stroke. 2017 , 33, 627-640	10
1351	Pericortical Enhancement on Delayed Postgadolinium Fluid-Attenuated Inversion Recovery Images in Normal Aging, Mild Cognitive Impairment, and Alzheimer Disease. 2017 , 38, 1742-1747	19
1350	Neurovascular Alterations in Alzheimer's Disease: Transporter Expression Profiles and CNS Drug Access. 2017 , 19, 940-956	10
1349	Memory is preserved in older adults taking AT1 receptor blockers. 2017 , 9, 33	41
1348	Sausage tree (Kigelia africana) flavonoid extract is neuroprotective in AlCl-induced experimental Alzheimer's disease. 2017 , 24, 251-259	12
1347	Aspartame and Soft Drink-Mediated Neurotoxicity in Rats: Implication of Oxidative Stress, Apoptotic Signaling Pathways, Electrolytes and Hormonal Levels. 2017 , 32, 1639-1647	12
1346	A Novel Iron Chelator-Radical Scavenger Ameliorates Motor Dysfunction and Improves Life Span and Mitochondrial Biogenesis in SOD1 ALS Mice. 2017 , 31, 230-244	25
1345	Disordered APP metabolism and neurovasculature in trauma and aging: Combined risks for chronic neurodegenerative disorders. 2017 , 34, 51-63	29
1344	Age-associated physiological and pathological changes at the blood-brain barrier: A review. 2017 , 37, 4-24	236
1343	Introduction to special issue: Neurovascular aging-A driving force for neurological dysfunction in stroke and neurodegenerative diseases. 2017 , 34, 1-2	1
1342	ImmunoPEGliposome-mediated reduction of blood and brain amyloid levels in a mouse model of Alzheimer's disease is restricted to aged animals. 2017 , 112, 141-152	24
1341	Amylin alters human brain pericyte viability and NG2 expression. 2017 , 37, 1470-1482	36
1340	Limitations of the hCMEC/D3 cell line as a model for Alælearance by the human blood-brain barrier. 2017 , 95, 1513-1522	37
1339	Stem cell therapies in age-related neurodegenerative diseases and stroke. 2017 , 34, 39-50	28

1338	Increased cortical capillary transit time heterogeneity in Alzheimer's disease: a DSC-MRI perfusion study. 2017 , 50, 107-118	47
1337	Age-related small vessel disease: a potential contributor to neurodegeneration in multiple sclerosis. 2017 , 27, 707-722	25
1336	Imaging Approaches to Cerebral Cortex Pathology. 2017 , 57-80	
1335	Oxidative stress and mitochondrial dysfunction-linked neurodegenerative disorders. 2017 , 39, 73-82	437
1334	The multifaceted role of metalloproteinases in physiological and pathological conditions in embryonic and adult brains. 2017 , 155, 36-56	26
1333	Induction of Genes Expressed in Endothelial Cells of the Corpus Callosum in the Chronic Cerebral Hypoperfusion Rat Model. 2017 , 84, 25-37	4
1332	Unexpected reductions in regional cerebral perfusion during prolonged hypoxia. 2017 , 595, 935-947	27
1331	Systems-level thinking for nanoparticle-mediated therapeutic delivery to neurological diseases. 2017 , 9, e1422	19
1330	Life and death in the trash heap: The ubiquitin proteasome pathway and UCHL1 in brain aging, neurodegenerative disease and cerebral Ischemia. 2017 , 34, 30-38	46
1329	Dysfunction of the neurovascular unit in ischemic stroke and neurodegenerative diseases: An aging effect. 2017 , 34, 77-87	130
1328	The impact of cerebrovascular aging on vascular cognitive impairment and dementia. 2017 , 34, 15-29	89
1327	The blood-brain barrier in Alzheimer's disease. 2017 , 107, 41-56	286
1326	Review: Astrocytes in Alzheimer's disease and other age-associated dementias: a supporting player with a central role. 2017 , 43, 281-298	116
1325	Temporal analysis of blood-brain barrier disruption and cerebrospinal fluid matrix metalloproteinases in rhesus monkeys subjected to transient ischemic stroke. 2017 , 37, 2963-2974	22
1324	Changes in intracranial venous blood flow and pulsatility in Alzheimer's disease: A 4D flow MRI study. 2017 , 37, 2149-2158	35
1323	Pharmacologically induced impairment of neurovascular coupling responses alters gait coordination in mice. 2017 , 39, 601-614	35
1322	Targeting Neuroinflammation to Treat Alzheimer's Disease. 2017 , 31, 1057-1082	129
1321	Circulating Progenitor Cells Correlate with Memory, Posterior Cortical Thickness, and Hippocampal Perfusion. 2018 , 61, 91-101	11

1320	Cerebral Hemodynamics in Mild Cognitive Impairment: A Systematic Review. 2017, 59, 369-385	58
1319	Autonomic Cardiac Function in Preclinical Alzheimer's Disease. 2017 , 59, 1057-1065	8
1318	Radiation neurobiology of long-term spaceflights. 2017 , 7, 443-468	3
1317	. 2017,	15
1316	Tauopathies - Focus on Changes at the Neurovascular Unit. 2017 , 14, 790-801	22
1315	Gateway Reflexes Are Stimulated by Neural Activations and Promote the Pathogenesis of Multiple Sclerosis Models. 2017 , 39-45	
1314	Retinal amyloid pathology and proof-of-concept imaging trial in Alzheimer's disease. 2017 , 2,	231
1313	In Vivo Imaging of Microglial Calcium Signaling in Brain Inflammation and Injury. 2017 , 18,	29
1312	Driver or Passenger: Epigenomes in Alzheimer∄ Disease. 2017 , 1, 5	2
1311	Circulating Cellular Adhesion Molecules and Cognitive Function: The Coronary Artery Risk Development in Young Adults Study. 2017 , 4, 37	10
1310	Advances in Understanding of Structural Reorganization in the Hypothalamic Neurosecretory System. 2017 , 8, 275	21
1309	Wnt/TLR Dialog in Neuroinflammation, Relevance in Alzheimer's Disease. 2017 , 8, 187	29
1308	NETosis in Alzheimer's Disease. 2017 , 8, 211	63
1307	Anesthesia and Surgery Impair Blood-Brain Barrier and Cognitive Function in Mice. 2017, 8, 902	85
1306	Isometric Exercise Training for Managing Vascular Risk Factors in Mild Cognitive Impairment and Alzheimer's Disease. 2017 , 9, 48	10
1305	Cerebral Blood Flow and Amyloid-Interact to Affect Memory Performance in Cognitively Normal Older Adults. 2017 , 9, 181	37
1304	Age Drives Distortion of Brain Metabolic, Vascular and Cognitive Functions, and the Gut Microbiome. 2017 , 9, 298	62
1303	Low Serum Phosphorus Correlates with Cerebral Al Deposition in Cognitively Impaired Subjects: Results from the KBASE Study. 2017 , 9, 362	10

1302	Blood-Brain Barrier Dysfunction Precedes Cognitive Decline and Neurodegeneration in Diabetic Insulin Resistant Mouse Model: An Implication for Causal Link. 2017 , 9, 399	73
1301	Risk Factors for Alzheimer Disease. 2017 , 47-91	
1300	The LDL Receptor-Related Protein 1: At the Crossroads of Lipoprotein Metabolism and Insulin Signaling. 2017 , 2017, 8356537	19
1299	Proximate Mediators of Microvascular Dysfunction at the Blood-Brain Barrier: Neuroinflammatory Pathways to Neurodegeneration. 2017 , 2017, 1549194	2
1298	The Blood B rain Barrier: An Overview. 2017 ,	
1297	Contribution of thrombin-reactive brain pericytes to blood-brain barrier dysfunction in an in vivo mouse model of obesity-associated diabetes and an in vitro rat model. 2017 , 12, e0177447	23
1296	Neurochemical Aspects of EAmyloid Cascade Hypothesis for Alzheimer⊞ Disease. 2017, 1-46	
1295	Chronic cerebral hypoperfusion induces post-stroke dementia following acute ischemic stroke in rats. 2017 , 14, 216	33
1294	Microvascular ultrastructural changes precede cognitive impairment in the murine APPswe/PS1dE9 model of Alzheimer's disease. 2017 , 20, 567-580	33
1293	The Application of Pectin-Insulin Patch on Streptozotocin-Induced Diabetic Rats: Implications in the Hippocampal Function. 2017 , 8,	1
1292	Oxidative Stress, Mitochondrial Abnormalities and Proteins Deposition: Multitarget Approaches in Alzheimer's Disease. 2017 , 17, 3062-3079	51
1291	Cerebral Microvascular Accumulation of Tau Oligomers in Alzheimer's Disease and Related Tauopathies. 2017 , 8, 257-266	55
1290	Risk Factors. 2017 , 162-167	1
1289	Risk Factors. 2017 , 167-170	
1288	Comprehensive Overview of Alzheimer Disease Neurodegeneration, from Amyloid-Ito Neuroinflammatory Modulation. 2017 ,	
1287	Latin American Delphi Consensus on Vascular Cognitive Impairment: Definitions, Clinical Features, Pathophysiology, Prevention and Treatment. 2017 , 08,	2
1286	Traumatic Brain Injury: Preclinical Imaging Diagnostic(s) and Therapeutic Approaches. 2017 , 23, 1909-1915	8
1285	Hydrogen sulfide therapy in brain diseases: from bench to bedside. 2017 , 7, 113-119	45

1284	Hypertension and Neuropsychiatric Symptoms in Patients with Drug-NaMe Alzheimer's Disease. 2017 , 16, 78-82	3
1283	Nitric Oxide Donors in Brain Inflammation. 2017 , 263-292	
1282	Subclinical Compromise in Cardiac Strain Relates to Lower Cognitive Performances in Older Adults. 2018 , 7,	14
1281	Age-dependent changes at the blood-brain barrier. A Comparative structural and functional study in young adult and middle aged rats. 2018 , 139, 269-277	30
1280	The Dynamics of Impaired Blood-Brain Barrier Restoration in a Rat Model of Co-morbid Injury. 2018 , 55, 8071-8083	11
1279	Ionophore and Biometal Modulation of P-glycoprotein Expression and Function in Human Brain Microvascular Endothelial Cells. 2018 , 35, 83	12
1278	2-Chlorohexadecanoic acid induces ER stress and mitochondrial dysfunction in brain microvascular endothelial cells. 2018 , 15, 441-451	20
1277	An In Vivo Blood-brain Barrier Permeability Assay in Mice Using Fluorescently Labeled Tracers. 2018	14
1276	Emerging Electromagnetic Technologies for Brain Diseases Diagnostics, Monitoring and Therapy. 2018 ,	18
	Peripheral post-ischemic vascular repair is impaired in a murine model of Alzheimer's disease. 2018 ,	
1275	21, 557-569	5
1275 1274		23
1274	21, 557-569 Disentangling the biological pathways involved in early features of Alzheimer's disease in the	
1274	21, 557-569 Disentangling the biological pathways involved in early features of Alzheimer's disease in the Rotterdam Study. 2018, 14, 848-857	23
1274	Disentangling the biological pathways involved in early features of Alzheimer's disease in the Rotterdam Study. 2018, 14, 848-857 Delivery systems for theranostics in neurodegenerative diseases. 2018, 11, 5535-5555 Differential Effect of APOE e4 Status and Elevated Pulse Pressure on Functional Decline in	23
1274 1273 1272	Disentangling the biological pathways involved in early features of Alzheimer's disease in the Rotterdam Study. 2018, 14, 848-857 Delivery systems for theranostics in neurodegenerative diseases. 2018, 11, 5535-5555 Differential Effect of APOE e4 Status and Elevated Pulse Pressure on Functional Decline in Cognitively Normal Older Adults. 2018, 62, 1567-1578	23 19 5
1274 1273 1272	Disentangling the biological pathways involved in early features of Alzheimer's disease in the Rotterdam Study. 2018, 14, 848-857 Delivery systems for theranostics in neurodegenerative diseases. 2018, 11, 5535-5555 Differential Effect of APOE e4 Status and Elevated Pulse Pressure on Functional Decline in Cognitively Normal Older Adults. 2018, 62, 1567-1578 Fetal Cerebral Circulation as Target of Maternal Alcohol Consumption. 2018, 42, 1006-1018 Bi-directional Association of Cerebrospinal Fluid Immune Markers with Stage of 'Alzheimer's	2319510
1274 1273 1272 1271 1270	Disentangling the biological pathways involved in early features of Alzheimer's disease in the Rotterdam Study. 2018, 14, 848-857 Delivery systems for theranostics in neurodegenerative diseases. 2018, 11, 5535-5555 Differential Effect of APOE e4 Status and Elevated Pulse Pressure on Functional Decline in Cognitively Normal Older Adults. 2018, 62, 1567-1578 Fetal Cerebral Circulation as Target of Maternal Alcohol Consumption. 2018, 42, 1006-1018 Bi-directional Association of Cerebrospinal Fluid Immune Markers with Stage of 'Alzheimer's Disease Pathogenesis. 2018, 63, 577-590 Dual-wavelength hybrid optoacoustic-ultrasound biomicroscopy for functional imaging of	23 19 5 10 21
1274 1273 1272 1271 1270	Disentangling the biological pathways involved in early features of Alzheimer's disease in the Rotterdam Study. 2018, 14, 848-857 Delivery systems for theranostics in neurodegenerative diseases. 2018, 11, 5535-5555 Differential Effect of APOE e4 Status and Elevated Pulse Pressure on Functional Decline in Cognitively Normal Older Adults. 2018, 62, 1567-1578 Fetal Cerebral Circulation as Target of Maternal Alcohol Consumption. 2018, 42, 1006-1018 Bi-directional Association of Cerebrospinal Fluid Immune Markers with Stage of Alzheimer's Disease Pathogenesis. 2018, 63, 577-590 Dual-wavelength hybrid optoacoustic-ultrasound biomicroscopy for functional imaging of large-scale cerebral vascular networks. 2018, 11, e201800057 Impact of aging, Alzheimer's disease and Parkinson's disease on the blood-brain barrier transport	23195102125

1266	Fibrinogen in neurological diseases: mechanisms, imaging and therapeutics. <i>Nature Reviews Neuroscience</i> , 2018 , 19, 283-301	161
1265	Screening for Cognitive Impairment by Model-Assisted Cerebral Blood Flow Estimation. 2018 , 65, 1654-1661	9
1264	Vascular Function Is Improved After an Environmental Enrichment Program: The Train the Brain-Mind the Vessel Study. 2018 , 71, 1218-1225	9
1263	Looking for novel, brain-derived, peripheral biomarkers of neurological disorders. 2018 , 52, 318-325	23
1262	The ability of liposomes, tailored for blood-brain barrier targeting, to reach the brain is dramatically affected by the disease state. 2018 , 13, 585-594	10
1261	Hypoxia-Induced Signaling Activation in Neurodegenerative Diseases: Targets for New Therapeutic Strategies. 2018 , 62, 15-38	25
1260	The pericyte-glia interface at the blood-brain barrier. 2018 , 132, 361-374	47
1259	The effect of white matter hyperintensities on verbal memory: Mediation by temporal lobe atrophy. 2018 , 90, e673-e682	24
1258	Blood-brain barrier breakdown in Alzheimer disease and other neurodegenerative disorders. 2018 , 14, 133-150	991
1257	Antioxidant activity of polyphenolic compounds isolated from ethyl-acetate fraction of Acacia hydaspica R. Parker. 2018 , 12, 5	15
1256	Basal Mitophagy Occurs Independently of PINK1 in Mouse Tissues of High Metabolic Demand. 2018 , 27, 439-449.e5	280
1255	Cromolyn Reduces Levels of the Alzheimer's Disease-Associated Amyloid Protein by Promoting Microglial Phagocytosis. 2018 , 8, 1144	41
1254	Depletion of amyloid-peptides from solution by sequestration within fibril-seeded hydrogels. 2018 , 27, 1218-1230	4
1253	Evaluating Peripersonal Space through the Functional Transcranial Doppler: Are We Paving the Way for Early Detecting Mild Cognitive Impairment to Dementia Conversion?. 2018 , 62, 133-143	5
1252	In vitro models and systems for evaluating the dynamics of drug delivery to the healthy and diseased brain. 2018 , 273, 108-130	35
1251	Proteomics of the Human Olfactory Tract. 2018 , 22, 77-87	2
1250	Role of the peripheral innate immune system in the development of Alzheimer's disease. 2018 , 107, 59-66	77
1249	Regional association of pCASL-MRI with FDG-PET and PiB-PET in people at risk for autosomal dominant Alzheimer's disease. 2018 , 17, 751-760	12

1248	Midlife cardiovascular health and 20-year cognitive decline: Atherosclerosis Risk in Communities Study results. 2018 , 14, 579-589	33
1247	A Perfect sTORm: The Role of the Mammalian Target of Rapamycin (mTOR) in Cerebrovascular Dysfunction of Alzheimer's Disease: A Mini-Review. 2018 , 64, 205-211	21
1246	Calibration of redox potential in sperm wash media and evaluation of oxidation-reduction potential values in various assisted reproductive technology culture media using MiOXSYS system. 2018 , 6, 293-300	11
1245	Thermoregulatory profile of neurodegeneration-induced dementia of the Alzheimer's type using intracerebroventricular streptozotocin in rats. 2018 , 224, e13084	6
1244	Understanding the role of the perivascular space in cerebral small vessel disease. 2018 , 114, 1462-1473	108
1243	Cellular Senescence in Postmitotic Cells: Beyond Growth Arrest. 2018 , 28, 595-607	78
1242	Ketogenic diet enhances neurovascular function with altered gut microbiome in young healthy mice. 2018 , 8, 6670	115
1241	Nanomaterials in Neural-Stem-Cell-Mediated Regenerative Medicine: Imaging and Treatment of Neurological Diseases. 2018 , 30, e1705694	45
1240	Serum metabolomics study in a group of Parkinson's disease patients from northern India. 2018 , 480, 214-219	27
1239	Effects of 90 Days of Resveratrol Supplementation on Cognitive Function in Elders: A Pilot Study. 2018 , 24, 725-732	19
1238	Assessment of the effects of different sample perfusion procedures on phase-contrast tomographic images of mouse spinal cord. 2018 , 13, C03027-C03027	6
1237	Local Treatment of Brain Tumors and the Blood-Brain Barrier. 2018, 193-210	
1236	Vascular pathology: Cause or effect in Alzheimer disease?. 2018 , 33, 112-120	38
1235	Oligodendrogenesis after traumatic brain injury. 2018 , 340, 205-211	19
1234	Redox Signaling, Neuroinflammation, and Neurodegeneration. 2018 , 28, 1626-1651	45
1233	Pericyte-derived bone morphogenetic protein 4 underlies white matter damage after chronic hypoperfusion. 2018 , 28, 521-535	25
1232	Vascular pathology: Cause or effect in Alzheimer disease?. 2018 , 33, 112-120	14
1231	Evaluation of optical coherence tomography angiographic findings in Alzheimer's type dementia. 2018 , 102, 233-237	135

1230	mTOR drives cerebral blood flow and memory deficits in LDLR mice modeling atherosclerosis and vascular cognitive impairment. 2018 , 38, 58-74	19
1229	Cerebral hypoperfusion is not associated with an increase in amyloid pathology in middle-aged or elderly people. 2018 , 14, 54-61	13
1228	Disturbances in the control of capillary flow in an aged APP/PS1E9 model of Alzheimer's disease. 2018 , 62, 82-94	22
1227	Nrf2 Deficiency Exacerbates Obesity-Induced Oxidative Stress, Neurovascular Dysfunction, Blood-Brain Barrier Disruption, Neuroinflammation, Amyloidogenic Gene Expression, and Cognitive Decline in Mice, Mimicking the Aging Phenotype. 2018 , 73, 853-863	81
1226	Interactive relations of type 2 diabetes and abdominal obesity to cognitive impairment: A cross-sectional study in rural area of Xi'an in China. 2018 , 32, 48-55	8
1225	CYP2U1 activity is altered by missense mutations in hereditary spastic paraplegia 56. 2018 , 39, 140-151	12
1224	Cerebral blood flow in normal aging adults: cardiovascular determinants, clinical implications, and aerobic fitness. 2018 , 144, 595-608	107
1223	Risk factors for amyloid positivity in older people reporting significant memory concern. 2018 , 80, 126-131	8
1222	In Vitro Microfluidic Models for Neurodegenerative Disorders. 2018 , 7, 1700489	59
1221	Three-Dimensional Models of the Human Brain Development and Diseases. 2018 , 7, 1700723	49
122 0	A Working Module for the Neurovascular Unit in the Sexually Dimorphic Nucleus of the Preoptic Area. 2018 , 55, 156-163	4
1219	Vascular pathology in multiple sclerosis: reframing pathogenesis around the blood-brain barrier. 2018 , 89, 42-52	67
1218	In Vivo Brain Plaque and Tangle Burden Mediates the Association Between Diastolic Blood Pressure and Cognitive Functioning in Nondemented Adults. 2018 , 26, 13-22	4
1217	Morphometric Analysis of Rat Spinal Cord Angioarchitecture by Phase Contrast Radiography: From 2D to 3D Visualization. 2018 , 43, E504-E511	9
1216	Association of midlife lipids with 20-year cognitive change: A cohort study. 2018 , 14, 167-177	48
1215	Sema4D/PlexinB1 inhibition ameliorates blood-brain barrier damage and improves outcome after stroke in rats. 2018 , 32, 2181-2196	25
1214	Brain amyloid burden and cerebrovascular disease are synergistically associated with neurometabolism in cognitively unimpaired older adults. 2018 , 63, 152-161	13
1213	Polygenic hazard score: an enrichment marker for Alzheimer's associated amyloid and tau deposition. 2018 , 135, 85-93	57

1212	Neuroprotective effect of formononetin in ameliorating learning and memory impairment in mouse model of Alzheimer's disease. 2018 , 82, 57-64	26
1211	Reduced glucose transporter-1 in brain derived circulating endothelial cells in mild Alzheimer's disease patients. 2018 , 1678, 304-309	11
1 2 10	Age-dependent and region-specific alteration of parvalbumin neurons and perineuronal nets in the mouse cerebral cortex. 2018 , 112, 59-70	29
1209	A New Conditionally Immortalized Human Fetal Brain Pericyte Cell Line: Establishment and Functional Characterization as a Promising Tool for Human Brain Pericyte Studies. 2018 , 55, 5993-6006	16
1208	From Chronic Traumatic Encephalopathy Biomarkers to Therapeutics: What We Need to Know to Design Clinical Trials. 2018 , 155-168	О
1207	The Blood brain-barrier and its role in Alzheimer disease. 2018 , 24, A197-A205	9
1206	Die Blut-Hirn-Schranke und ihre Rolle in der Alzheimer [Krankheit. 2018 , 24, 287-296	
1205	The Assessment of Cerebrovascular Response to a Language Task from the Addenbrooke's Cognitive Examination in Cognitive Impairment: A Feasibility Functional Transcranial Doppler Ultrasonography Study. 2018 , 2, 153-164	7
1204	Overcoming the Blood-Brain Barrier: The Role of Nanomaterials in Treating Neurological Diseases. 2018 , 30, e1801362	226
1203	Width of sulcus and thickness of gyrus in patients with cerebral atherosclerosis: a new tool for the prevention of vascular cognitive impairment. 2018 , 64, 684-691	1
1202	The pleiotropic vasoprotective functions of high density lipoproteins (HDL). 2017,	11
1201	Cerebrovascular Disease and Neurodegeneration in Alzheimer's Disease with and without a Strong Family History: A Pilot Magnetic Resonance Imaging Study in Dominican Republic. 2018 , 66, 1519-1528	2
1200	Identification of Novel LncRNA Biomarkers and Construction of LncRNA-Related Networks in Han Chinese Patients with Ischemic Stroke. 2018 , 50, 2157-2175	24
1199	Cerebrovascular Pathology in Hypertriglyceridemic APOB-100 Transgenic Mice. 2018 , 12, 380	6
1198	Possible Clues for Brain Energy Translation via Endolysosomal Trafficking of APP-CTFs in Alzheimer's Disease. 2018 , 2018, 2764831	5
1197	Growth Differentiation Factor 11 treatment leads to neuronal and vascular improvements in the hippocampus of aged mice. 2018 , 8, 17293	36
1196	Body mass index, waist-to-hip ratio and cognitive function among Chinese elderly: a cross-sectional study. 2018 , 8, e022055	18
1195	Activated Microglia Disrupt the Blood-Brain Barrier and Induce Chemokines and Cytokines in a Rat Model. 2018 , 12, 494	48

1194	Impact of Metabolic Syndrome on Neuroinflammation and the Blood-Brain Barrier. 2018, 12, 930	112
1193	The Neuroprotective Effects of Exercise: Maintaining a Healthy Brain Throughout Aging. 2018, 4, 17-52	56
1192	Dysfunction of Cerebrovascular Endothelial Cells: Prelude to Vascular Dementia. 2018, 10, 376	56
1191	White matter diffusion alterations precede symptom onset in autosomal dominant Alzheimer's disease. 2018 , 141, 3065-3080	72
1190	Alzheimer's disease (AD) therapeutics - 2: Beyond amyloid - Re-defining AD and its causality to discover effective therapeutics. 2018 , 158, 376-401	20
1189	Retinal Vascular Imaging in Vascular Cognitive Impairment: Current and Future Perspectives. 2018 , 12, 1179069518801291	7
1188	The role of brain vasculature in neurodegenerative disorders. 2018 , 21, 1318-1331	338
1187	Comprehensive evaluation of blood-brain barrier-forming micro-vasculatures: Reference and marker genes with cellular composition. 2018 , 13, e0197379	4
1186	Type 2 Diabetes Mellitus and Alzheimer's Disease: Role of Insulin Signalling and Therapeutic Implications. 2018 , 19,	89
1185	Pulse Wave Velocity Is Associated With Greater Risk of Dementia in Mild Cognitive Impairment Patients. 2018 , 72, 1109-1116	20
1184	Distinct amyloid distribution patterns in amyloid positive subcortical vascular cognitive impairment. 2018 , 8, 16178	4
1183	Synergism of antihypertensives and cholinesterase inhibitors in Alzheimer's disease. 2018 , 4, 542-555	6
1182	Neurovascular dysfunction in vascular dementia, Alzheimer's and atherosclerosis. 2018, 19, 62	65
1181	Blood-brain barrier-associated pericytes internalize and clear aggregated amyloid-42 by LRP1-dependent apolipoprotein E isoform-specific mechanism. 2018 , 13, 57	94
1180	A histone acetylome-wide association study of Alzheimer's disease identifies disease-associated H3K27ac differences in the entorhinal cortex. 2018 , 21, 1618-1627	72
1179	An MRI measure of degenerative and cerebrovascular pathology in Alzheimer disease. 2018 , 91, e1402-e1412	39
1178	Phyto-Therapeutic and Nanomedicinal Approaches to Cure Alzheimer's Disease: Present Status and Future Opportunities. 2018 , 10, 284	54
1177	The protective effect of betulinic acid on microvascular responsivity and protein expression in alzheimer disease induced by cerebral micro-injection of beta-amyloid and streptozotocin. 2018 , 25, e12503	6

1176	Inhibition of mTOR protects the blood-brain barrier in models of Alzheimer's disease and vascular cognitive impairment. 2018 , 314, H693-H703	57
1175	Effect of GG supernatant on serotonin transporter expression in rats with post-infectious irritable bowel syndrome. 2018 , 24, 338-350	25
1174	Absolute 10-year risk of dementia by age, sex and genotype: a population-based cohort study. 2018 , 190, E1033-E1041	40
1173	Ultrastructural Remodeling of the Neurovascular Unit in the Female Diabetic db/db Model P art I: Astrocyte. 2018 , 1, 220-244	11
1172	An updated Alzheimer hypothesis: Complement C3 and risk of Alzheimer's disease-A cohort study of 95,442 individuals. 2018 , 14, 1589-1601	19
1171	Leaky brain in neurological and psychiatric disorders: Drivers and consequences. 2018 , 52, 924-948	58
1170	Potential roles of brain barrier dysfunctions in the early stage of Alzheimer's disease. 2018 , 142, 360-367	5
1169	In vivo imaging and analysis of cerebrovascular hemodynamic responses and tissue oxygenation in the mouse brain. 2018 , 13, 1377-1402	29
1168	Impaired Cerebral Perfusion in Multiple Sclerosis: Relevance of Endothelial Factors. 2018 , 13, 117727191877	′48⁄00
1167	Characterization of Impaired Cerebrovascular Structure in APP/PS1 Mouse Brains. 2018, 385, 246-254	21
1167 1166	Characterization of Impaired Cerebrovascular Structure in APP/PS1 Mouse Brains. 2018, 385, 246-254 HMGB1 Neutralization Attenuates Hippocampal Neuronal Death and Cognitive Impairment in Rats with Chronic Cerebral Hypoperfusion via Suppressing Inflammatory Responses and Oxidative Stress. 2018, 383, 150-159	21
	HMGB1 Neutralization Attenuates Hippocampal Neuronal Death and Cognitive Impairment in Rats with Chronic Cerebral Hypoperfusion via Suppressing Inflammatory Responses and Oxidative	
1166	HMGB1 Neutralization Attenuates Hippocampal Neuronal Death and Cognitive Impairment in Rats with Chronic Cerebral Hypoperfusion via Suppressing Inflammatory Responses and Oxidative Stress. 2018, 383, 150-159 The potential importance of myeloid-derived suppressor cells (MDSCs) in the pathogenesis of Alzheimer's disease. 2018, 75, 3099-3120	34
1166	HMGB1 Neutralization Attenuates Hippocampal Neuronal Death and Cognitive Impairment in Rats with Chronic Cerebral Hypoperfusion via Suppressing Inflammatory Responses and Oxidative Stress. 2018, 383, 150-159 The potential importance of myeloid-derived suppressor cells (MDSCs) in the pathogenesis of Alzheimer's disease. 2018, 75, 3099-3120 Synaptic transmission and excitability during hypoxia with inflammation and reoxygenation in	34
1166 1165 1164	HMGB1 Neutralization Attenuates Hippocampal Neuronal Death and Cognitive Impairment in Rats with Chronic Cerebral Hypoperfusion via Suppressing Inflammatory Responses and Oxidative Stress. 2018, 383, 150-159 The potential importance of myeloid-derived suppressor cells (MDSCs) in the pathogenesis of Alzheimer's disease. 2018, 75, 3099-3120 Synaptic transmission and excitability during hypoxia with inflammation and reoxygenation in hippocampal CA1 neurons. 2018, 138, 20-31 A Clinicopathological Investigation of White Matter Hyperintensities and Alzheimer's Disease	34 14 8
1166 1165 1164 1163	HMGB1 Neutralization Attenuates Hippocampal Neuronal Death and Cognitive Impairment in Rats with Chronic Cerebral Hypoperfusion via Suppressing Inflammatory Responses and Oxidative Stress. 2018, 383, 150-159 The potential importance of myeloid-derived suppressor cells (MDSCs) in the pathogenesis of Alzheimer's disease. 2018, 75, 3099-3120 Synaptic transmission and excitability during hypoxia with inflammation and reoxygenation in hippocampal CA1 neurons. 2018, 138, 20-31 A Clinicopathological Investigation of White Matter Hyperintensities and Alzheimer's Disease Neuropathology. 2018, 63, 1347-1360 miRNA 933 Expression by Endothelial Cells is Increased by 27-Hydroxycholesterol and is More	34 14 8 30
1166 1165 1164 1163	HMGB1 Neutralization Attenuates Hippocampal Neuronal Death and Cognitive Impairment in Rats with Chronic Cerebral Hypoperfusion via Suppressing Inflammatory Responses and Oxidative Stress. 2018, 383, 150-159 The potential importance of myeloid-derived suppressor cells (MDSCs) in the pathogenesis of Alzheimer's disease. 2018, 75, 3099-3120 Synaptic transmission and excitability during hypoxia with inflammation and reoxygenation in hippocampal CA1 neurons. 2018, 138, 20-31 A Clinicopathological Investigation of White Matter Hyperintensities and Alzheimer's Disease Neuropathology. 2018, 63, 1347-1360 miRNA 933 Expression by Endothelial Cells is Increased by 27-Hydroxycholesterol and is More Prevalent in Plasma from Dementia Patients. 2018, 64, 1009-1017	34 14 8 30 14

1158	Cerebral small vessel disease and the risk of Alzheimer's disease: A systematic review. 2018 , 47, 41-48	37
1157	Antioxidant and Cell-Signaling Functions of Hydrogen Sulfide in the Central Nervous System. 2018 , 2018, 1873962	70
1156	The relationship between adiposity and cognitive function in a large community-dwelling population: data from the Trinity Ulster Department of Agriculture (TUDA) ageing cohort study. 2018 , 120, 517-527	13
1155	Chronic Lyme Disease: A Working Case Definition. 2018 , 14, 1-44	16
1154	High-fat diet protects the blood-brain barrier in an Alzheimer's disease mouse model. 2018 , 17, e12818	22
1153	Targeting Renin-Angiotensin System Against Alzheimer's Disease. 2018 , 9, 440	47
1152	Neuro-Cardio Mechanisms in Huntington's Disease and Other Neurodegenerative Disorders. 2018 , 9, 559	23
1151	CSF biomarkers of neuroinflammation and cerebrovascular dysfunction in early Alzheimer disease. 2018 , 91, e867-e877	120
1150	Differential Associations of Diastolic and Systolic Pressures With Cerebral Measures in Older Individuals With Mild Cognitive Impairment. 2018 , 31, 1268-1277	15
1149	Evidence for sex difference in the CSF/plasma albumin ratio in ~20 000 patients and 335 healthy volunteers. 2018 , 22, 5151-5154	30
1148	Iron metabolism in diabetes-induced Alzheimer's disease: a focus on insulin resistance in the brain. 2018 , 31, 705-714	10
1147	Severity-Related Increase and Cognitive Correlates of Serum VEGF Levels in Alzheimer's Disease ApoE4 Carriers. 2018 , 63, 1003-1013	14
1146	Age-Dependent Impairment of Neurovascular and Neurometabolic Coupling in the Hippocampus. 2018 , 9, 913	25
1145	Impaired Cerebral Haemodynamics in Vascular Depression: Insights From Transcranial Doppler Ultrasonography. 2018 , 9, 316	29
1144	Ventricular and Periventricular Anomalies in the Aging and Cognitively Impaired Brain. 2017, 9, 445	17
1143	Ethnopharmacological Approaches for Dementia Therapy and Significance of Natural Products and Herbal Drugs. 2018 , 10, 3	56
1142	Lipopolysaccharide Associates with Amyloid Plaques, Neurons and Oligodendrocytes in Alzheimer's Disease Brain: A Review. 2018 , 10, 42	126
1141	Cholinergic Hypofunction in Presbycusis-Related Tinnitus With Cognitive Function Impairment: Emerging Hypotheses. 2018 , 10, 98	6

1140	Potential Utility of Retinal Imaging for Alzheimer's Disease: A Review. 2018 , 10, 188	38
1139	Immunosignals of Oligodendrocyte Markers and Myelin-Associated Proteins Are Critically Affected after Experimental Stroke in Wild-Type and Alzheimer Modeling Mice of Different Ages. 2018 , 12, 23	11
1138	Perspectives on How Human Simultaneous Multi-Modal Imaging Adds Directionality to Spread Models of Alzheimer's Disease. 2018 , 9, 26	3
1137	Neuroprotection Targeting Protein Misfolding on Chronic Cerebral Hypoperfusion in the Context of Metabolic Syndrome. 2018 , 12, 339	7
1136	Chinese Herbal Medicine Xueshuantong Enhances Cerebral Blood Flow and Improves Neural Functions in Alzheimer's Disease Mice. 2018 , 63, 1089-1107	12
1135	VEGF Signaling in Neurological Disorders. 2018 , 19,	61
1134	The Role of Endothelial Ca Signaling in Neurovascular Coupling: A View from the Lumen. 2018, 19,	48
1133	Autotaxin?Lysophosphatidic Acid Signaling in Alzheimer's Disease. 2018 , 19,	28
1132	The TRPM2 channel nexus from oxidative damage to Alzheimer's pathologies: An emerging novel intervention target for age-related dementia. 2018 , 47, 67-79	25
1131	Oxidative Stress: A Major Player in Cerebrovascular Alterations Associated to Neurodegenerative Events. 2018 , 9, 806	76
1130	Correlation of mRNA Expression and Signal Variability in Chronic Intracortical Electrodes. 2018 , 6, 26	7
1129	Association of cerebrovascular dysfunction with the development of Alzheimer's disease-like pathology in OXYS rats. 2018 , 19, 75	21
1128	Blood-Brain Barrier Disruption During Neuroinflammation. 2018 , 529-539	
1127	Computational modeling and biomarker studies of pharmacological treatment of Alzheimer's disease (Review). 2018 , 18, 639-655	10
1126	Mimicking Human Pathophysiology in Organ-on-Chip Devices. 2018 , 2, 1800109	37
1125	Promoting the clearance of neurotoxic proteins in neurodegenerative disorders of ageing. 2018 , 17, 660-688	232
1124	Deletion of interferon-regulatory factor-1 results in cognitive impairment. 2018 , 41, 809-816	3
1123	Metabolic Risk Factors of Alzheimer's Disease, Dementia with Lewy Bodies, and Normal Elderly: A Population-Based Study. 2018 , 2018, 8312346	4

1122	Can an Infection Hypothesis Explain the Beta Amyloid Hypothesis of Alzheimer's Disease?. 2018 , 10, 224	89
1121	[18F]-Flutemetamol Uptake in Cortex and White Matter: Comparison with Cerebrospinal Fluid Biomarkers and [18F]-Fludeoxyglucose. 2018 , 62, 1595-1607	13
1120	Temporal and Spatial Effects of Blast Overpressure on Blood-Brain Barrier Permeability in Traumatic Brain Injury. 2018 , 8, 8681	39
1119	Acceleration of NLRP3 inflammasome by chronic cerebral hypoperfusion in Alzheimer's disease model mouse. 2019 , 143, 61-70	18
1118	Laminins and their receptors in the CNS. 2018 , 94, 283	32
1117	LncRNA MALAT1 up-regulates VEGF-A and ANGPT2 to promote angiogenesis in brain microvascular endothelial cells against oxygen-glucose deprivation via targetting. 2019 , 39,	41
1116	Analysis of spatial distribution of trace metals, PCB, and PAH and their potential impact on human health in Virginian Counties and independent cities, USA. 2019 , 41, 783-801	10
1115	Prediabetes and diabetes accelerate cognitive decline and predict microvascular lesions: A population-based cohort study. 2019 , 15, 25-33	62
1114	Twendee X Ameliorates Phosphorylated Tau, Esynuclein and Neurovascular Dysfunction in Alzheimer's Disease Transgenic Mice With Chronic Cerebral Hypoperfusion. 2019 , 28, 104310	7
1113	Cerebral Microvascular Injury: A Potentially Treatable Endophenotype of Traumatic Brain Injury-Induced Neurodegeneration. 2019 , 103, 367-379	43
1112	Meox2 Haploinsufficiency Accelerates Axonal Degeneration in DBA/2J Glaucoma. 2019 , 60, 3283-3296	4
1111	Suppression of Alzheimer's Disease-Like Pathology Progression by Mitochondria-Targeted Antioxidant SkQ1: A Transcriptome Profiling Study. 2019 , 2019, 3984906	13
1110	Association of Midlife to Late-Life Blood Pressure Patterns With Incident Dementia. 2019 , 322, 535-545	116
1109	Amyloid cross-seeding raises new dimensions to understanding of amyloidogenesis mechanism. 2019 , 56, 100937	20
1108	Dose-dependent association of accelerometer-measured physical activity and sedentary time with brain perfusion in aging. 2019 , 125, 110679	12
1107	Hypothesis: cerebrospinal fluid protein markers suggest a pathway toward symptomatic resilience to AD pathology. 2019 , 15, 1160-1171	7
1106	Chronic cerebral hypoperfusion alters amyloid-Itransport related proteins in the cortical blood vessels of Alzheimer's disease model mouse. 2019 , 1723, 146379	18
1105	Association of White Matter Rarefaction, Arteriolosclerosis, and Tau With Dementia in Chronic Traumatic Encephalopathy. 2019 , 76, 1298-1308	32

1104	Liver Dysfunction as a Novel Player in Alzheimer's Progression: Looking Outside the Brain. 2019 , 11, 174	39
1103	Optimized Radar Waveform Parameter Design for Small Drone Detection Based on Echo Modeling and Experimental Analysis. 2019 , 7, 101527-101538	2
1102	The role of mutations associated with familial neurodegenerative disorders on blood-brain barrier function in an iPSC model. 2019 , 16, 20	26
1101	The vascular side of Alzheimer's disease. 2019 , 365, 223-224	24
1100	Blood-brain barrier and innate immunity in the pathogenesis of Alzheimer's disease. 2019 , 168, 99-145	17
1099	[Prevalence of dementia in the elderly in Latin America: A systematic review]. 2019, 54, 346-355	10
1098	Blood-brain barrier disruption and inflammation reaction in mice after chronic exposure to Microcystin-LR. 2019 , 689, 662-678	23
1097	Current and emerging avenues for Alzheimer's disease drug targets. 2019 , 286, 398-437	60
1096	Endothelial Mitochondrial Dysfunction in Cerebral Amyloid Angiopathy and Alzheimer's Disease. 2019 , 72, 1019-1039	38
1095	Effects of Anserine/Carnosine Supplementation on Mild Cognitive Impairment with APOE4. 2019 , 11,	27
1094	Transcatheter intracerebral photobiomodulation in degenerative brain disorders: clinical studies (Part 1). 2019 , 515-528	
1093	Apolipoprotein E Genotype Modifies the Association Between Cardiac Output and Cognition in Older Adults. 2019 , 8, e011146	6
1092	and Genetic Polymorphisms as Markers for Cognitive Impairment in A Hypotensive Aging Population: A Genome-Wide Association Study in Taiwan. 2019 , 8,	3
1091	Age-Associated mRNA and miRNA Expression Changes in the Blood-Brain Barrier. 2019 , 20,	13
1090	Amyloid Beta 25-35 induces blood-brain barrier disruption in vitro. 2019 , 34, 1365-1374	23
1089	Myeloperoxidase Deficiency Inhibits Cognitive Decline in the 5XFAD Mouse Model of Alzheimer's Disease. 2019 , 13, 990	17
1088	Fermented Goat Milk Consumption Enhances Brain Molecular Functions during Iron Deficiency Anemia Recovery. 2019 , 11,	3
1087	Molecular Basis of Neurodegeneration: Lessons from Alzheimer and Parkinson Diseases. 2019,	1

1086	ECaryophyllene protects against ischemic stroke by promoting polarization of microglia toward M2 phenotype via the TLR4 pathway. 2019 , 237, 116915	26
1085	Aging Neurovascular Unit and Potential Role of DNA Damage and Repair in Combating Vascular and Neurodegenerative Disorders. 2019 , 13, 778	14
1084	Long-term cognitive impairment after acute respiratory distress syndrome: a review of clinical impact and pathophysiological mechanisms. 2019 , 23, 352	129
1083	GDPR bypass by design? Transient processing of data under the GDPR. 2019 ,	2
1082	[Why are pericytes important for brain functions?]. 2019 , 59, 707-715	
1081	Disease-directed engineering for physiology-driven treatment interventions in neurological disorders. 2019 , 3, 040901	8
1080	Brain-derived and circulating vesicle profiles indicate neurovascular unit dysfunction in early Alzheimer's disease. 2019 , 29, 593-605	26
1079	Drugs for Targeted Therapies of Alzheimer's Disease. 2019 , 26, 335-359	9
1078	Age-Related Changes of the Neurovascular Unit in the Cerebral Cortex of Alzheimer Disease Mouse Models: A Neuroanatomical and Molecular Study. 2019 , 78, 101-112	9
1077	Neurovascular Organotypic Culture Models Using Induced Pluripotent Stem Cells to Assess Adverse Chemical Exposure Outcomes. 2019 , 5, 92-110	2
1076	AD molecular: PET amyloid imaging across the Alzheimer's disease spectrum: From disease mechanisms to prevention. 2019 , 165, 63-106	4
1075	Fine Particulate Matter Exposure and Cerebrospinal Fluid Markers of Vascular Injury. 2019 , 71, 1015-1025	7
1074	Altered microglia and neurovasculature in the Alzheimer's disease cerebellum. 2019 , 132, 104589	15
1073	Antioxidant and anti-inflammatory effects of dexrazoxane on dopaminergic neuron degeneration in rodent models of Parkinson's disease. 2019 , 160, 107758	7
1072	Chronic high fat feeding paradoxically attenuates cerebral capillary dysfunction and neurovascular inflammation in Senescence-Accelerated-Murine-Prone Strain 8 mice. 2021 , 24, 635-643	2
1071	Adverse Vascular Risk Relates to Cerebrospinal Fluid Biomarker Evidence of Axonal Injury in the Presence of Alzheimer's Disease Pathology. 2019 , 71, 281-290	6
1070	Comparative benefits of simvastatin and exercise in a mouse model of vascular cognitive impairment and dementia. 2019 , 33, 13280-13293	8
1069	Accelerated Ovarian Failure as a Unique Model to Study Peri-Menopause Influence on Alzheimer's Disease. 2019 , 11, 242	10

1068 miR-124 regulates cerebromicrovascular function in APP/PS1 transg	enic mice via C1ql3. 2019 , 153, 214-222	13
Characterization, Antioxidant, Anti-Aging and Organ Protective Effe from. 2019 , 24,	cts of Sulfated Polysaccharides	19
Surface engineered liposomal delivery of therapeutics across the bloadvances, challenges and opportunities. 2019 , 16, 1287-1311	ood brain barrier: recent	9
1065 Developing Trojan horses to induce, diagnose and suppress Alzheim	er's pathology. 2019 , 149, 104471	6
Photobiomodulation Mitigates Cerebrovascular Leakage Induced by MPTP. 2019 , 9,	the Parkinsonian Neurotoxin	8
1063 Neurovascular Interactions in the Nervous System. 2019 , 35, 615-63	5	25
1062 Diet, Epigenetics, and Alzheimer Disease. 2019 , 987-1003		
Optical-Resolution Photoacoustic Microscopy of Brain Vascular Imag Model Using Nanosecond Solid-State Laser. 2019 , 159-187	ing in Small Animal Tumor	2
Blood-brain barrier at the interface of air pollution-associated neuro neuroinflammation. 2019 , 295-337	toxicity and	2
1059 The Alzheimer's Disease Clinical Spectrum: Diagnosis and Manageme	ent. 2019 , 103, 263-293	120
Effects of Alternating Standing and Sitting Compared to Prolonged Standing Hemodynamics. 2019 , 15, 375-383	Sitting on Cerebrovascular	10
Nanotherapeutics Engineered to Cross the Blood-Brain Barrier for A Central Nervous System. 2019 , 73, 8-18	dvanced Drug Delivery to the	23
Manual Acupuncture Regulates Behavior and Cerebral Blood Flow in Alzheimer's Disease. 2019 , 13, 37	the SAMP8 Mouse Model of	21
1055 The Cognitive Control of Eating and Body Weight: It's More Than Wh	nat You "Think". 2019 , 10, 62	43
Receptor-based pharmacophore modeling, virtual screening, and modeling discovery of novel GSK-3[Inhibitors. 2019 , 25, 171	plecular docking studies for the	14
Multitarget-directed cotreatment with cilostazol and aripiprazole fo against oxidative stress-induced toxicity in HT22 mouse hippocampa		7
Spermine oxidase: A promising therapeutic target for neurodegener 2019 , 147, 104299	ation in diabetic retinopathy.	15
Effects of brain training on brain blood flow (The Cognition and Flow a feasibility randomised controlled trial of cognitive training in demo		2

1050	Cerebrovascular plasticity: Processes that lead to changes in the architecture of brain microvessels. 2019 , 39, 1413-1432	16
1049	Association of Midlife Cardiovascular Risk Profiles With Cerebral Perfusion at Older Ages. 2019 , 2, e195776	21
1048	Activation of microglia and macrophages in the circumventricular organs of the mouse brain during TLR2-induced fever and sickness responses. 2019 , 334, 576973	7
1047	NETosis in other diseases and therapeutic approaches. 2019 , 131-169	
1046	Oxygen tension-mediated erythrocyte membrane interactions regulate cerebral capillary hyperemia. 2019 , 5, eaaw4466	21
1045	Pericyte Biology in Disease. 2019 ,	1
1044	The Role of Pericytes in Amyotrophic Lateral Sclerosis. 2019 , 1147, 137-146	2
1043	Nicotinamide mononucleotide (NMN) treatment attenuates oxidative stress and rescues angiogenic capacity in aged cerebromicrovascular endothelial cells: a potential mechanism for the prevention of vascular cognitive impairment. 2019 , 41, 619-630	64
1042	ADAMTS13 maintains cerebrovascular integrity to ameliorate Alzheimer-like pathology. 2019 , 17, e3000313	15
1041	Impaired Peripheral Lymphatic Function and Cerebrospinal Fluid Outflow in a Mouse Model of Alzheimer's Disease. 2019 , 69, 585-593	8
1040	A longitudinal characterization of perfusion in the aging brain and associations with cognition and neural structure. 2019 , 40, 3522-3533	23
1039	Intrinsic Effects of Gold Nanoparticles on Oxygen-Glucose Deprivation/Reperfusion Injury in Rat Cortical Neurons. 2019 , 44, 1549-1566	10
1038	Neuronal Cells Rearrangement During Aging and Neurodegenerative Disease: Metabolism, Oxidative Stress and Organelles Dynamic. 2019 , 12, 132	87
1037	Vascular Dysfunction in Alzheimer's Disease: A Prelude to the Pathological Process or a Consequence of It?. 2019 , 8,	64
1036	Regulating effect of CBF on memory in cognitively normal older adults with different ApoE genotype: the Alzheimer's Disease Neuroimaging Initiative (ADNI). 2019 , 13, 513-518	3
1035	Alzheimer's disease: risk factors and potentially protective measures. 2019 , 26, 33	132
1034	The Complex Interactions Between Obesity, Metabolism and the Brain. 2019 , 13, 513	46
1033	Brain Capillary Networks Across Species: A few Simple Organizational Requirements Are Sufficient to Reproduce Both Structure and Function. 2019 , 10, 233	29

1032	Systolic hypertension-induced neurovascular unit disruption magnifies vascular cognitive impairment in middle-age atherosclerotic LDLr:hApoB mice. 2019 , 41, 511-532	16
1031	Misery perfusion and amyloid deposition in atherosclerotic major cerebral artery disease. 2019 , 22, 101762	4
1030	Intravenous infusion of mesenchymal stem cells improves impaired cognitive function in a cerebral small vessel disease model. 2019 , 408, 361-377	22
1029	Neurochemical Aspects of Alzheimer⊞ Type of Dementia. 2019 , 73-112	O
1028	Neurochemical Aspects of Vascular Dementia. 2019 , 151-181	
1027	Summary and Perspective for Future Research on Dementia. 2019 , 329-349	
1026	Genetic heterogeneity of Alzheimer's disease in subjects with and without hypertension. 2019 , 41, 137-154	12
1025	Blood-brain barrier dysfunction underlying Alzheimer's disease is induced by an SSAO/VAP-1-dependent cerebrovascular activation with enhanced Aldeposition. 2019 , 1865, 2189-2202	14
1024	Nonparenchymal fluid is the source of increased mean diffusivity in preclinical Alzheimer's disease. 2019 , 11, 348-354	8
1023	Large-Scale Quantitative Comparison of Plasma Transmembrane Proteins between Two Human Blood-Brain Barrier Model Cell Lines, hCMEC/D3 and HBMEC/ci[]2019, 16, 2162-2171	11
1022	Depression in neurodegenerative diseases: Common mechanisms and current treatment options. 2019 , 102, 56-84	79
1021	Anti-Hexokinase 1 Antibody as a Novel Serum Biomarker of a Subgroup of Diabetic Macular Edema. 2019 , 9, 4806	1
1020	Blood B rain Barrier in Alzheimer's Disease. 2019 , 337-348	
1019	Neuroprotective effects of acetyl-l-carnitine (ALC) in a chronic MPTP-induced Parkinson's disease mouse model: Endothelial and microglial effects. 2019 , 703, 86-95	12
1018	Human pluripotent stem cell-derived brain pericyte-like cells induce blood-brain barrier properties. 2019 , 5, eaau7375	89
1017	ApoE and clusterin CSF levels influence associations between APOE´genotype and changes in CSF tau, but not CSF AII2, levels in non-demented elderly. 2019 , 79, 101-109	12
1016	Blood-brain barrier transcytosis genes, risk of dementia and stroke: a prospective cohort study of 74,754 individuals. 2019 , 34, 579-590	19
1015	Chronic cerebral hypoperfusion shifts the equilibrium of amyloid loligomers to aggregation-prone species with higher molecular weight. 2019 , 9, 2827	21

Icariin and Its Metabolites as Potential Protective Phytochemicals Against Alzheimer's Disease. 2019, 10, 271	36
1013 Current and Future Treatments in Alzheimer's Disease. 2019 , 39, 227-240	80
A Review and Hypothesized Model of the Mechanisms That Underpin the Relationship Between Inflammation and Cognition in the Elderly. 2019 , 11, 56	42
Parafoveal vessel loss and correlation between peripapillary vessel density and cognitive performance in amnestic mild cognitive impairment and early Alzheimer's Disease on optical coherence tomography angiography. 2019 , 14, e0214685	51
Dementia complicating type 2 diabetes and the influence of premature mortality: the Fremantle Diabetes Study. 2019 , 56, 767-776	6
Peripheral inflammatory biomarkers in Alzheimer's disease and mild cognitive impairment: a systematic review and meta-analysis. 2019 , 19, 300-309	37
1008 White Matter Changes in Patients with Alzheimer's Disease and Associated Factors. 2019 , 8,	17
Increased cerebral blood volume in small arterial vessels is a correlate of amyloid-Felated cognitive decline. 2019 , 76, 181-193	8
1006 Blood-Brain Barrier Targeted Nanotechnological Advances. 2019 , 25-31	
Selective loss of cortical endothelial tight junction proteins during Alzheimer's disease progression. 2019 , 142, 1077-1092	60
1004 Endothelial Progenitor Cells Modulate Inflammation-Associated Stroke Vasculome. 2019 , 15, 256-27	'5 24
The role of LINC00094/miR-224-5p (miR-497-5p)/Endophilin-1 axis in Memantine mediated protective effects on blood-brain barrier in AD microenvironment. 2019 , 23, 3280-3292	27
1002 Nrf2/ARE Pathway Modulation by Dietary Energy Regulation in Neurological Disorders. 2019 , 10, 33	40
1001 Frailty as a Predictor of Cognitive Disorders: A Systematic Review and Meta-Analysis. 2019 , 6, 26	67
1000 Cerebral microbleeds: Beyond the macroscope. 2019 , 14, 468-475	11
Associations Between Midlife (but Not Late-Life) Elevated Coronary Heart Disease Risk and Lower Cognitive Performance: Results From the Framingham Offspring Study. 2019 , 188, 2175-2187	7
A Pilot Study Investigating Changes in Capillary Hemodynamics and Its Modulation by Exercise in the APP-PS1 Alzheimer Mouse Model. 2019 , 13, 1261	6
Graph-structured Sparse Mixed Models for Genetic Association with Confounding Factors Correction. 2019 ,	

996	The synergistic effect of chlorotoxin-mApoE in boosting drug-loaded liposomes across the BBB. 2019 , 17, 115	11
995	A research framework for cognitive aging and Alzheimer's disease among diverse US Latinos: Design and implementation of the Hispanic Community Health Study/Study of Latinos-Investigation of Neurocognitive Aging (SOL-INCA). 2019 , 15, 1624-1632	19
994	Paroxysmal slow cortical activity in Alzheimer's disease and epilepsy is associated with blood-brain barrier dysfunction. 2019 , 11,	43
993	A Cerebrovascular Hypothesis of Neurodegeneration in mTBI. 2019 , 34, E18-E27	14
992	Plasma Extracellular Vesicles in Children with OSA Disrupt Blood-Brain Barrier Integrity and Endothelial Cell Wound Healing in Vitro. 2019 , 20,	10
991	Characterization of Blood Surrogate Immune-Methylation Biomarkers for Immune Cell Infiltration in Chronic Inflammaging Disorders. 2019 , 10, 1229	6
990	Glymphatic System Function in Relation to Anesthesia and Sleep States. 2019 , 128, 747-758	51
989	Pericytes: Problems and Promises for CNS Repair. 2019 , 13, 546	19
988	Blood-brain barrier dysfunction in aging induces hyperactivation of TGFB ignaling and chronic yet reversible neural dysfunction. 2019 , 11,	72
987	The leukotriene signaling pathway: a druggable target in Alzheimer's disease. 2019 , 24, 505-516	27
986	Water-exchange MRI detects subtle blood-brain barrier breakdown in Alzheimer's disease rats. 2019 , 184, 349-358	30
985	Cerebral and Extracerebral Vasoreactivity in Patients With Different Clinical Manifestations of Cerebral Small-Vessel Disease: Data From the Significance of Hemodynamic and Hemostatic Factors in the Course of Different Manifestations of Cerebral Small-Vessel Disease Study. 2019 , 38, 975-987	15
984	VEGF receptor-1 modulates amyloid 🗈 -42 oligomer-induced senescence in brain endothelial cells. 2019 , 33, 4626-4637	15
983	Getting to the Heart of Alzheimer Disease. 2019 , 124, 142-149	63
982	Role of Hypothalamic-Pituitary-Adrenal Axis, Hypothalamic-Pituitary-Gonadal Axis and Insulin Signaling in the Pathophysiology of Alzheimer's Disease. 2019 , 77, 197-205	16
981	Cerebral cavernous malformations form an anticoagulant vascular domain in humans and mice. 2019 , 133, 193-204	24
980	Predictors of neurodegeneration differ between cognitively normal and subsequently impaired older adults. 2019 , 75, 178-186	21
979	Resting Cerebral Blood Flow After Exercise Training in Mild Cognitive Impairment. 2019 , 67, 671-684	43

978	UHPLC-QTOF/MS-based metabolomics investigation for the protective mechanism of Danshen in Alzheimer's disease cell model induced by AD 2019 , 15, 13	13
977	Transferrin Receptor-Mediated Uptake at the Blood-Brain Barrier Is Not Impaired by Alzheimer's Disease Neuropathology. 2019 , 16, 583-594	35
976	Blood-brain barrier disturbances in diabetes-associated dementia: Therapeutic potential for cannabinoids. 2019 , 141, 291-297	20
975	A Combination of Tri-Leucine and Angiopep-2 Drives a Polyanionic Polymalic Acid Nanodrug Platform Across the Blood-Brain Barrier. 2019 , 13, 1253-1271	33
974	Beyond the neuron-cellular interactions early in Alzheimer disease pathogenesis. <i>Nature Reviews Neuroscience</i> , 2019 , 20, 94-108	142
973	Blood-brain barrier breakdown is an early biomarker of human cognitive dysfunction. 2019 , 25, 270-276	577
972	Blood-Brain Barrier: From Physiology to Disease and Back. 2019 , 99, 21-78	647
971	Hypertension and obesity moderate the relationship between Eamyloid and cognitive decline in midlife. 2019 , 15, 418-428	19
970	A novel therapeutic potential of cysteinyl leukotrienes and their receptors modulation in the neurological complications associated with Alzheimer's disease. 2019 , 842, 208-220	18
969	Sleep and circadian rhythm disruption and stress intersect in Alzheimer's disease. 2019 , 10, 100133	24
968	Understanding disease progression and improving Alzheimer's disease clinical trials: Recent highlights from the Alzheimer's Disease Neuroimaging Initiative. 2019 , 15, 106-152	153
967	The role of neurovascular unit damage in the occurrence and development of Alzheimer's disease. 2019 , 30, 477-484	30
966	Chirality Dependence of Amyloid © Cellular Uptake and a New Mechanistic Perspective. 2019, 20, 1023-1026	17
965	Angiotensin receptor (AT2R) agonist C21 prevents cognitive decline after permanent stroke in aged animals-A randomized double- blind pre-clinical study. 2019 , 359, 560-569	23
964	Pathology, Prevention and Therapeutics of Neurodegenerative Disease. 2019,	1
963	Dual-calibrated fMRI measurement of absolute cerebral metabolic rate of oxygen consumption and effective oxygen diffusivity. 2019 , 184, 717-728	22
962	Multifarious Therapeutic Avenues for Alzheimer Disease. 2019 , 185-190	
961	The impact of vascular risk factors on brain volume and lesion load in patients with early multiple sclerosis. 2019 , 25, 48-54	10

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960	Apolipoprotein E4 mediates insulin resistance-associated cerebrovascular dysfunction and the post-prandial response. 2019 , 39, 770-781	22
959	Retinal vessel diameter obtained by optical coherence tomography is spared in Parkinson's disease. 2019 , 39, 813-819	7
958	EphrinB2 activation enhances angiogenesis, reduces amyloid-Ideposits and secondary damage in thalamus at the early stage after cortical infarction in hypertensive rats. 2019 , 39, 1776-1789	13
957	Roles of tau pathology in the locus coeruleus (LC) in age-associated pathophysiology and Alzheimer's disease pathogenesis: Potential strategies to protect the LC against aging. 2019 , 1702, 17-28	34
956	The effect of hyperglycemia on neurovascular coupling and cerebrovascular patterning in zebrafish. 2020 , 40, 298-313	10
955	Higher physiological vulnerability to hypoxic exposure with advancing age in the human brain. 2020 , 40, 341-353	10
954	Emerging insights from the genetics of cerebral small-vessel disease. 2020 , 1471, 5-17	8
953	Posthemorrhagic hydrocephalus development after germinal matrix hemorrhage: Established mechanisms and proposed pathways. 2020 , 98, 105-120	33
952	Measurement of cerebral ABCC1 transport activity in wild-type and APP/PS1-21 mice with positron emission tomography. 2020 , 40, 954-965	7
951	Cerebrovascular miRNAs correlate with the clearance of Althrough perivascular route in younger 3xTg-AD mice. 2020 , 30, 92-105	3
950	Increased cerebral blood flow with increased amyloid burden in the preclinical phase of alzheimer's disease. 2020 , 51, 505-513	20
949	Linking APOE- [], blood-brain barrier dysfunction, and inflammation to Alzheimer's pathology. 2020 , 85, 96-103	24
948	Assessment of working environment and personal dosimeter-wearing compliance of industrial radiographers based on chromosome aberration frequencies. 2020 , 40, 151-164	4
947	Bidirectional relationship between sleep and Alzheimer's disease: role of amyloid, tau, and other factors. 2020 , 45, 104-120	84
946	Associations of Hearing Loss and Menopausal Hormone Therapy With Change in Global Cognition and Incident Cognitive Impairment Among Postmenopausal Women. 2020 , 75, 537-544	1
945	Reducing INS-IGF1 signaling protects against non-cell autonomous vesicle rupture caused by SNCA spreading. 2020 , 16, 878-899	16
944	Pattern of regional white matter hyperintensity volume in mild cognitive impairment subtypes and associations with decline in daily functioning. 2020 , 86, 134-142	12
943	ApoE (Apolipoprotein E) in Brain Pericytes Regulates Endothelial Function in an Isoform-Dependent Manner by Modulating Basement Membrane Components. 2020 , 40, 128-144	20

942	Red Cell Distribution Width Is Directly Associated with Poor Cognitive Performance among Nonanemic, Middle-Aged, Urban Adults. 2020 , 150, 128-139	7
941	Associations between cerebral blood flow and structural and functional brain imaging measures in individuals with neuropsychologically defined mild cognitive impairment. 2020 , 86, 64-74	19
940	mTOR drives cerebrovascular, synaptic, and cognitive dysfunction in normative aging. 2020 , 19, e13057	25
939	Summative Effects of Vascular Risk Factors on the Progression of Alzheimer Disease. 2020 , 68, 129-136	14
938	Cholesterol and Dementia: A Long and Complicated Relationship. 2020, 13, 42-51	7
937	Detecting sub-voxel microvasculature with USPIO-enhanced susceptibility-weighted MRI at 7 T. 2020 , 67, 90-100	9
936	Red wine consumption mitigates the cognitive impairments in low-density lipoprotein receptor knockout (LDLr) mice. 2021 , 24, 978-988	4
935	Mixed dementia: Neglected clinical entity or nosographic artifice?. 2020 , 410, 116662	8
934	Astrocytes monitor cerebral perfusion and control systemic circulation to maintain brain blood flow. 2020 , 11, 131	74
933	Microphysiological systems for recapitulating physiology and function of blood-brain barrier. 2020 , 232, 119732	17
932	Antihypertensive agents in Alzheimer's disease: beyond vascular protection. 2020 , 20, 175-187	12
931	Anterior Cingulate Structure and Perfusion is Associated with Cerebrospinal Fluid Tau among Cognitively Normal Older Adult APOEe4 Carriers. 2020 , 73, 87-101	3
930	Modelling solute transport in the brain microcirculation: is it really well mixed inside the blood vessels?. 2020 , 884,	6
929	Neural stem cell therapy for neurovascular injury in Alzheimer's disease. 2020 , 324, 113112	35
928	Hypertension accelerates cerebral tissue PO disruption in Alzheimer's disease. 2020 , 715, 134626	1
927	Consideration of Sex Differences in the Measurement and Interpretation of Alzheimer Disease-Related Biofluid-Based Biomarkers. 2020 , 5, 158-169	7
926	Alzheimer's/Vascular Spectrum Dementia: Classification in Addition to Diagnosis. 2020, 73, 63-71	18
925	Composite Scores of Plasma Tau and EAmyloids Correlate with Dementia in Down Syndrome. 2020 , 11, 191-196	2

924	The emerging role of neutrophils in neurodegeneration. 2020 , 225, 151865	14
923	Neurovascular coupling preserved in a chronic mouse model of Alzheimer's disease: Methodology is critical. 2020 , 40, 2289-2303	3
922	Protection of blood-brain barrier as a potential mechanism for enriched environments to improve cognitive impairment caused by chronic cerebral hypoperfusion. 2020 , 379, 112385	7
921	Necrosome complex detected in granulovacuolar degeneration is associated with neuronal loss in Alzheimer's disease. 2020 , 139, 463-484	38
920	From Stroke to Dementia: a Comprehensive Review Exposing Tight Interactions Between Stroke and Amyloid-Formation. 2020 , 11, 601-614	44
919	Voluntary exercise increases brain tissue oxygenation and spatially homogenizes oxygen delivery in a mouse model of Alzheimer's disease. 2020 , 88, 11-23	5
918	Cardiovascular disease risk is associated with middle cerebral artery blood flow velocity in older adults. 2020 , 31, 38-46	7
917	Glymphatic failure as a final common pathway to dementia. 2020 , 370, 50-56	155
916	Vascular contributions to cognitive impairment and dementia (VCID): A report from the 2018 National Heart, Lung, and Blood Institute and National Institute of Neurological Disorders and Stroke Workshop. 2020 , 16, 1714-1733	36
915	Dysfunction of the neurovascular unit in diabetes-related neurodegeneration. 2020 , 131, 110656	9
915	Dysfunction of the neurovascular unit in diabetes-related neurodegeneration. 2020 , 131, 110656 Neuroinflammation. 2020 , 175, 235-259	8
914	Neuroinflammation. 2020 , 175, 235-259 Dickkopf-related protein-1 inhibition attenuates amyloid-beta pathology associated to Alzheimer's	8
914	Neuroinflammation. 2020, 175, 235-259 Dickkopf-related protein-1 inhibition attenuates amyloid-beta pathology associated to Alzheimer's disease. 2020, 141, 104881 Extent and characteristics of carotid plaques and brain parenchymal loss in asymptomatic patients	8
914 913 912	Neuroinflammation. 2020, 175, 235-259 Dickkopf-related protein-1 inhibition attenuates amyloid-beta pathology associated to Alzheimer's disease. 2020, 141, 104881 Extent and characteristics of carotid plaques and brain parenchymal loss in asymptomatic patients with no indication for revascularization. 2020, 30, 100619 Parallels between retinal and brain pathology and response to immunotherapy in old, late-stage	8 9 1
914 913 912 911	Neuroinflammation. 2020, 175, 235-259 Dickkopf-related protein-1 inhibition attenuates amyloid-beta pathology associated to Alzheimer's disease. 2020, 141, 104881 Extent and characteristics of carotid plaques and brain parenchymal loss in asymptomatic patients with no indication for revascularization. 2020, 30, 100619 Parallels between retinal and brain pathology and response to immunotherapy in old, late-stage Alzheimer's disease mouse models. 2020, 19, e13246 miR-195 reduces age-related blood-brain barrier leakage caused by thrombospondin-1-mediated	8 9 1 16
914 913 912 911 910	Neuroinflammation. 2020, 175, 235-259 Dickkopf-related protein-1 inhibition attenuates amyloid-beta pathology associated to Alzheimer's disease. 2020, 141, 104881 Extent and characteristics of carotid plaques and brain parenchymal loss in asymptomatic patients with no indication for revascularization. 2020, 30, 100619 Parallels between retinal and brain pathology and response to immunotherapy in old, late-stage Alzheimer's disease mouse models. 2020, 19, e13246 miR-195 reduces age-related blood-brain barrier leakage caused by thrombospondin-1-mediated selective autophagy. 2020, 19, e13236 CDK5 Targeting as a Therapy for Recovering Neurovascular Unit Integrity in Alzheimer's Disease.	8 9 1 16

906	Associations between Vascular Function and Tau PET Are Associated with Global Cognition and Amyloid. 2020 , 40, 8573-8586	23
905	Common Brain Structural Alterations Associated with Cardiovascular Disease Risk Factors and Alzheimer's Dementia: Future Directions and Implications. 2020 , 30, 546-557	11
904	Caveolae-Mediated Transport at the Injured Blood-Brain Barrier as an Underexplored Pathway for Central Nervous System Drug Delivery. 2020 , 30, 86-95	3
903	Preclinical models of disease and multimorbidity with focus upon cardiovascular disease and dementia. 2020 , 192, 111361	2
902	Inflammatory mechanism of cerebral ischemia-reperfusion injury with treatment of stepharine in rats. 2020 , 79, 153353	12
901	Single-nucleus transcriptome analysis reveals dysregulation of angiogenic endothelial cells and neuroprotective glia in Alzheimer's disease. 2020 , 117, 25800-25809	46
900	Hypertension and Alzheimer's disease: indirect effects through circle of Willis atherosclerosis. 2020 , 2, fcaa114	2
899	Structure and function of the perivascular fluid compartment and vertebral venous plexus: Illumining a novel theory on mechanisms underlying the pathogenesis of Alzheimer's, cerebral small vessel, and neurodegenerative diseases. 2020 , 144, 105022	6
898	Discontinued disease-modifying therapies for Alzheimer's disease: status and future perspectives. 2020 , 29, 919-933	12
897	Molecular and cellular mechanisms underlying the pathogenesis of Alzheimer's disease. 2020 , 15, 40	165
897 896	Molecular and cellular mechanisms underlying the pathogenesis of Alzheimer's disease. 2020 , 15, 40 Blood-brain barrier pathology in patients with severe mental disorders: a systematic review and meta-analysis of biomarkers in case-control studies. 2020 , 6, 100102	165
	Blood-brain barrier pathology in patients with severe mental disorders: a systematic review and	
896	Blood-brain barrier pathology in patients with severe mental disorders: a systematic review and meta-analysis of biomarkers in case-control studies. 2020 , 6, 100102	3
896 895	Blood-brain barrier pathology in patients with severe mental disorders: a systematic review and meta-analysis of biomarkers in case-control studies. 2020 , 6, 100102 The importance of BDNF and RAGE in diabetes-induced dementia. 2020 , 160, 105083	3
896 895 894	Blood-brain barrier pathology in patients with severe mental disorders: a systematic review and meta-analysis of biomarkers in case-control studies. 2020, 6, 100102 The importance of BDNF and RAGE in diabetes-induced dementia. 2020, 160, 105083 Increase in blood-brain barrier leakage in healthy, older adults. 2020, 42, 1183-1193	3 14 40
896 895 894	Blood-brain barrier pathology in patients with severe mental disorders: a systematic review and meta-analysis of biomarkers in case-control studies. 2020, 6, 100102 The importance of BDNF and RAGE in diabetes-induced dementia. 2020, 160, 105083 Increase in blood-brain barrier leakage in healthy, older adults. 2020, 42, 1183-1193 Fluid Candidate Biomarkers for Alzheimer's Disease: A Precision Medicine Approach. 2020, 10, A blood-brain barrier overview on structure, function, impairment, and biomarkers of integrity.	3 14 40 10
896895894893892	Blood-brain barrier pathology in patients with severe mental disorders: a systematic review and meta-analysis of biomarkers in case-control studies. 2020, 6, 100102 The importance of BDNF and RAGE in diabetes-induced dementia. 2020, 160, 105083 Increase in blood-brain barrier leakage in healthy, older adults. 2020, 42, 1183-1193 Fluid Candidate Biomarkers for Alzheimer's Disease: A Precision Medicine Approach. 2020, 10, A blood-brain barrier overview on structure, function, impairment, and biomarkers of integrity. 2020, 17, 69 Ocular Vascular Changes in Mild Alzheimer's Disease Patients: Foveal Avascular Zone, Choroidal	3 14 40 10 123

888	An Overview on the Differential Interplay Among Neurons-Astrocytes-Microglia in CA1 and CA3 Hippocampus in Hypoxia/Ischemia. 2020 , 14, 585833	10
887	Aging Impairs Mitochondrial Function and Mitophagy and Elevates Interleukin 6 Within the Cerebral Vasculature. 2020 , 9, e017820	7
886	A local difference in blood-brain barrier permeability in the caudate putamen and thalamus of a rat brain induced by focused ultrasound. 2020 , 10, 19286	2
885	Neuroinflammation, microglial activation, and glucose metabolism in neurodegenerative diseases. 2020 , 154, 325-344	3
884	First, tau causes NO problem. 2020 , 23, 1035-1036	3
883	Blood-brain barrier integrity in the pathogenesis of Alzheimer's disease. 2020 , 59, 100857	26
882	The Role of Neurovascular System in Neurodegenerative Diseases. 2020 , 57, 4373-4393	20
881	Association of White Matter Hyperintensities and Cardiovascular Disease: The Importance of Microcirculatory Disease. 2020 , 13, e010460	10
880	Vascular Inflammation Is a Risk Factor Associated with Brain Atrophy and Disease Severity in Parkinson's Disease: A Case-Control Study. 2020 , 2020, 2591248	10
879	New Insights into the Dysfunctions of Pericytes and Neurovascular Units in Neurodegenerative Diseases. 2020 , 36, 1570-1572	1
878	Systolic blood pressure postural changes variability is associated with greater dementia risk. 2020 , 95, e1932-e1940	4
877	Should drug discovery scientists still embrace the amyloid hypothesis for Alzheimer's disease or should they be looking elsewhere?. 2020 , 15, 1241-1251	7
876	Circulating Cell-Free Nucleic Acids as Epigenetic Biomarkers in Precision Medicine. 2020 , 11, 844	18
875	Inhibition of Aquaporin 4 Decreases Amyloid A🛭 O Drainage Around Cerebral Vessels. 2020 , 57, 4720-4734	11
874	Glucose transporters in brain in health and disease. 2020 , 472, 1299-1343	95
873	Blood-brain barrier: mechanisms governing permeability and interaction with peripherally acting Ebpioid receptor antagonists. 2020 , 45, 688-695	5
872	Morphological landscape of endothelial cell networks reveals a functional role of glutamate receptors in angiogenesis. 2020 , 10, 13829	3
871	Aging of the Vascular System and Neural Diseases. 2020 , 12, 557384	10

870	Subclinical Cognitive and Neuropsychiatric Correlates and Hippocampal Volume Features of Brain White Matter Hyperintensity in Healthy People. 2020 , 10,	3
869	The Role of Iron, Its Metabolism and Ferroptosis in Traumatic Brain Injury. 2020 , 14, 590789	23
868	Strategies and materials of "SMART" non-viral vectors: Overcoming the barriers for brain gene therapy. 2020 , 35, 101006	7
867	Tau Protein and Its Role in Blood-Brain Barrier Dysfunction. 2020 , 13, 570045	18
866	Cognitive Function After Lung Transplantation. 2021 , 1324, 91-101	2
865	Biomarker detection of Parkinson disease: therapy and treatment using nanomaterials. 2020 , 479-523	
864	Distinct changes in all major components of the neurovascular unit across different neuropathological stages of Alzheimer's disease. 2020 , 30, 1056-1070	9
863	Age-Related Changes and Sex-Related Differences in Brain Iron Metabolism. 2020 , 12,	9
862	Locus Coeruleus and neurovascular unit: From its role in physiology to its potential role in Alzheimer's disease pathogenesis. 2020 , 98, 2406-2434	14
861	Visit-to-Visit Blood Pressure Variability Is Associated With Cognitive Decline and Incident Dementia: The S.AGES Cohort. 2020 , 76, 1280-1288	19
860	Cerebral Small Vessel Disease and Alzheimer's Disease: A Review. 2020 , 11, 927	18
859	Catechol protects against iron-mediated oxidative brain injury by restoring antioxidative metabolic pathways; and modulation of purinergic and cholinergic enzymes activities. 2020 , 72, 1787-1797	1
858	Functional Ultrasound Speckle Decorrelation-Based Velocimetry of the Brain. 2020, 7, 2001044	6
857	Long-Term Blood Pressure Variability Across the Clinical and Biomarker Spectrum of Alzheimer's Disease. 2020 , 77, 1655-1669	8
856	Nanoparticle-Based Technology Approaches to the Management of Neurological Disorders. 2020 , 21,	15
855	Advances and challenges in retinoid delivery systems in regenerative and therapeutic medicine. 2020 , 11, 4265	20
854	Models to Study the Propagation of Prions and Prion-Like Proteins. 2020 , 10,	4
853	The Barcelona-Asymptomatic Intracranial Atherosclerosis (AsIA) study: Subclinical cervico-cerebral stenosis and middle cerebral artery pulsatility index as predictors of long-term incident cognitive impairment. 2020 , 312, 104-109	2

852	Toward refining Alzheimer's disease into overlapping subgroups. 2020 , 6, e12070	2
851	Regional Hypoperfusion Predicts Decline in Everyday Functioning at Three-Year Follow-Up in Older Adults without Dementia. 2020 , 77, 1291-1304	3
850	Relationship of Parieto-Occipital Brain Energy Phosphate Metabolism and Cognition Using P MRS at 7-Tesla in Amnestic Mild Cognitive Impairment. 2020 , 12, 222	5
849	An Iatrogenic Model of Brain Small-Vessel Disease: Post-Radiation Encephalopathy. 2020 , 21,	1
848	Caspase-1 has a critical role in blood-brain barrier injury and its inhibition contributes to multifaceted repair. 2020 , 17, 267	19
847	Cell chirality in cardiovascular development and disease. 2020 , 4, 031503	3
846	Defining novel functions for cerebrospinal fluid in ALS pathophysiology. 2020 , 8, 140	7
845	Age-related impairment of cerebral blood flow response to K channel opener in Alzheimer's disease mice with presenilin-1 mutation. 2021 , 41, 1579-1591	4
844	Blood-Brain Barrier Leakage Is Increased in Parkinson's Disease. 2020 , 11, 593026	30
843	Sirtuin 1-dependent regulation of high mobility box 1 in hypoxia-reoxygenated brain microvascular endothelial cells: roles in neuronal amyloidogenesis. 2020 , 11, 1072	1
842	The effects of age on resting-state BOLD signal variability is explained by cardiovascular and cerebrovascular factors. 2021 , 58, e13714	17
841	Transcranial Doppler for Early Prediction of Cognitive Impairment after Aneurysmal Subarachnoid Hemorrhage and the Associated Clinical Biomarkers. 2020 , 2020, 8874605	
840	Neuromodulation in the Treatment of Alzheimer's Disease: Current and Emerging Approaches. 2020 , 78, 1299-1313	3
839	Detection of Cerebrovascular Loss in the Normal Aging C57BL/6 Mouse Brain Using Contrast-Enhanced Magnetic Resonance Angiography. 2020 , 12, 585218	2
838	Common aspects between glaucoma and brain neurodegeneration. 2020 , 786, 108323	3
837	Comorbidity effect on processing speed test and MRI measures in multiple sclerosis patients. 2020 , 46, 102593	1
836	Investigating APOE, APP-Almetabolism genes and Alzheimer's disease GWAS hits in brain small vessel ischemic disease. 2020 , 10, 7103	7
835	Salvianolic Acid Alleviated Blood-Brain Barrier Permeability in Spontaneously Hypertensive Rats by Inhibiting Apoptosis in Pericytes via P53 and the Ras/Raf/MEK/ERK Pathway. 2020 , 14, 1523-1534	2

834	Neurovascular Unit Dysfunction and Neurodegenerative Disorders. 2020, 14, 334	48
833	Shared proteomic effects of cerebral atherosclerosis and Alzheimer's disease on the human brain. 2020 , 23, 696-700	33
832	Ochratoxin A-induced genotoxic and epigenetic mechanisms lead to Alzheimer disease: its modulation with strategies. 2020 , 27, 44673-44700	11
831	CDH6 and HAGH protein levels in plasma associate with Alzheimer's disease in APOE [4] carriers. 2020 , 10, 8233	4
830	Association of Cardiovascular Risk Factors with Cerebral Perfusion in Whites and African Americans. 2020 , 75, 649-660	7
829	Amyloid Metabolism and Amyloid-Targeting Blood-Based Biomarkers of Alzheimer's Disease. 2020 , 75, 685-696	4
828	ENIGMA brain injury: Framework, challenges, and opportunities. 2020,	17
827	Impaired perfusion and capillary dysfunction in prodromal Alzheimer's disease. 2020 , 12, e12032	5
826	Vascular physiology drives functional brain networks. 2020 , 217, 116907	29
825	Enhanced Cerebral Blood Volume under Normobaric Hyperoxia in the J20-hAPP Mouse Model of Alzheimer's Disease. 2020 , 10, 7518	6
824	Targeting Aquaporin-4 Subcellular Localization to Treat Central Nervous System Edema. 2020 , 181, 784-799.6	:1 9 37
823	Channelrhodopsin Excitation Contracts Brain Pericytes and Reduces Blood Flow in the Aging Mouse Brain. 2020 , 12, 108	34
822	Multifarious roles of mTOR signaling in cognitive aging and cerebrovascular dysfunction of Alzheimer's disease. 2020 , 72, 1843-1855	24
821	CBF regulation in hypertension and Alzheimer's disease. 2020 , 42, 622-639	1
820	Insulin resistance and Alzheimer⊠ disease. 2020 , 249-292	O
819	Insulin resistance, dementia, and depression. 2020 , 349-384	
818	Body Weight Variability Increases Dementia Risk Among Older Adults: A Nationwide Population-Based Cohort Study. 2020 , 11, 291	9
817	Engineering Brain-Specific Pericytes from Human Pluripotent Stem Cells. 2020 , 26, 367-382	11

816	Retinal and Brain Organoids: Bridging the Gap Between Physiology and Micro-Physiology for the Study of Alzheimer's Diseases. 2020 , 14, 655	9
815	Mfsd2a and Spns2 are essential for sphingosine-1-phosphate transport in the formation and maintenance of the blood-brain barrier. 2020 , 6, eaay8627	14
814	Assessment of retinal vascular network in amnestic mild cognitive impairment by optical coherence tomography angiography. 2020 , 15, e0233975	17
813	Role of pericyte-derived SENP1 in neuronal injury after brain ischemia. 2020 , 26, 815-828	10
812	Mfsd2a Reverses Spatial Learning and Memory Impairment Caused by Chronic Cerebral Hypoperfusion via Protection of the Blood-Brain Barrier. 2020 , 14, 461	4
811	Peripheral and Central Nervous System Immune Response Crosstalk in Amyotrophic Lateral Sclerosis. 2020 , 14, 575	17
810	Cerebrovascular Changes and Neurodegeneration Related to Hyperlipidemia: Characteristics of the Human ApoB-100 Transgenic Mice. 2020 , 26, 1486-1494	6
809	Impaired cerebral blood flow in type 2 diabetes mellitus - A comparative study with subjective cognitive decline, vascular dementia and Alzheimer's disease subjects. 2020 , 27, 102302	13
808	G Protein-Coupled Receptors in the Mammalian Blood-Brain Barrier. 2020 , 14, 139	8
807	Benign Regulation of the Astrocytic Phospholipase A-Arachidonic Acid Pathway: The Underlying Mechanism of the Beneficial Effects of Manual Acupuncture on CBF. 2019 , 13, 1354	5
806	Cannabinoids, Blood-Brain Barrier, and Brain Disposition. 2020 , 12,	22
805	NIR-II fluorescence microscopic imaging of cortical vasculature in non-human primates. 2020 , 10, 4265-4276	42
804	Age-dependent amyloid deposition is associated with white matter alterations in cognitively normal adults during the adult life span. 2020 , 16, 651-661	20
803	ADAM10 and ADAM17 proteases mediate proinflammatory cytokine-induced and constitutive cleavage of endomucin from the endothelial surface. 2020 , 295, 6641-6651	10
802	Pathological Continuum From the Rise in Pulse Pressure to Impaired Neurovascular Coupling and Cognitive Decline. 2020 , 33, 375-390	2
801	Contra-Directional Expression of Plasma Superoxide Dismutase with Lipoprotein Cholesterol and High-Sensitivity C-reactive Protein as Important Markers of Parkinson's Disease Severity. 2020 , 12, 53	29
800	Multifaceted roles of pericytes in central nervous system homeostasis and disease. 2020 , 40, 1381-1401	23
799	[White matter hyperintensities in ageing: Pathophysiology, associated cognitive disorders and prevention]. 2020 , 41, 475-484	3

798	White matter lesions and temporal atrophy are associated with cognitive and neuropsychiatric symptoms in patients with hypertension and Alzheimer's disease. 2020 , 35, 1292-1300	4
797	Alzheimer's Disease: The Link Between Amyloid-land Neurovascular Dysfunction. 2020 , 76, 1179-1198	33
796	Astrocytic S100B, Blood-Brain Barrier and Neurodegenerative Diseases. 2020 ,	2
795	Physiological blood-brain transport is impaired with age by a shift in transcytosis. 2020 , 583, 425-430	107
794	Blood B rain barrier targeted nanoparticles. 2020 , 25-38	
793	Compounds that extend longevity are protective in neurodegenerative diseases and provide a novel treatment strategy for these devastating disorders. 2020 , 190, 111297	11
79²	Apolipoprotein E isoforms differentially regulate matrix metallopeptidase 9 function in Alzheimer's disease. 2020 , 95, 56-68	6
791	An agnostic reevaluation of the amyloid cascade hypothesis of Alzheimer's disease pathogenesis: The role of APP homeostasis. 2020 , 16, 1582-1590	7
790	The S1P-S1PR Axis in Neurological Disorders-Insights into Current and Future Therapeutic Perspectives. 2020 , 9,	13
789	Acute effects of systemic inflammation upon the neuro-glial-vascular unit and cerebrovascular function. 2020 , 5, 100074	3
788	Cerebral hemodynamics in patients with multiple sclerosis. 2020 , 44, 102309	6
787	Stroke Revisited: Vascular Cognitive Impairment. 2020 ,	
786	Pathophysiology of Vascular Cognitive Impairment (I): Theoretical Background. 2020, 71-86	1
7 ⁸ 5	Lipids and Alzheimer's Disease. 2020 , 21,	89
784	Novel Blood-Brain Barrier Shuttle Peptides Discovered through the Phage Display Method. 2020 , 25,	12
783	Interaction of APOE, cerebral blood flow, and cortical thickness in the entorhinal cortex predicts memory decline. 2020 , 14, 369-382	6
782	Similarity of therapeutic networks induced by a multi-component herbal remedy, Ukgansan, in neurovascular unit cells. 2020 , 10, 2658	1
781	Cerebrovascular carbon dioxide reactivity and flow-mediated dilation in young healthy South Asian and Caucasian European men. 2020 , 318, H756-H763	3

780	Peripheral Routes to Neurodegeneration: Passing Through the Blood-Brain Barrier. 2020 , 12, 3	12
779	Effect of amyloid toxicity or chronic cerebral hypoperfusion on brain insulin resistance in a rat model with intracerebroventricular streptozotocin. 2020 , 158, 40-50	3
778	Metabolic compartmentalization between astroglia and neurons in physiological and pathophysiological conditions of the neurovascular unit. 2020 , 40, 121-137	23
777	Small Vessel Disease-Related Dementia: An Invalid Neurovascular Coupling?. 2020 , 21,	19
776	Nicotinamide mononucleotide (NMN) supplementation promotes neurovascular rejuvenation in aged mice: transcriptional footprint of SIRT1 activation, mitochondrial protection, anti-inflammatory, and anti-apoptotic effects. 2020 , 42, 527-546	37
775	Mapping the Fine-Scale Organization and Plasticity of the Brain Vasculature. 2020 , 180, 780-795.e25	88
774	Super-resolution Ultrasound Imaging. 2020 , 46, 865-891	83
773	ApoE and cerebral insulin: Trafficking, receptors, and resistance. 2020 , 137, 104755	20
772	VEGFD Protects Retinal Ganglion Cells and, consequently, Capillaries against Excitotoxic Injury. 2020 , 17, 281-299	6
771	Hemoglobin, anemia, and poststroke cognitive impairment: A cohort study. 2020 , 35, 564-571	3
77 ¹	Hemoglobin, anemia, and poststroke cognitive impairment: A cohort study. 2020 , 35, 564-571 Organ-On-A-Chip Models of the Brain and the Blood-Brain Barrier and Their Value to Study the Microbiota-Gut-Brain Axis in Neurodegeneration. 2019 , 7, 435	3
	Organ-On-A-Chip Models of the Brain and the Blood-Brain Barrier and Their Value to Study the	
77°	Organ-On-A-Chip Models of the Brain and the Blood-Brain Barrier and Their Value to Study the Microbiota-Gut-Brain Axis in Neurodegeneration. 2019 , 7, 435 Relationship of amyloid-I-42 in blood and brain amyloid: Ginkgo Evaluation of Memory Study.	40
77° 769	Organ-On-A-Chip Models of the Brain and the Blood-Brain Barrier and Their Value to Study the Microbiota-Gut-Brain Axis in Neurodegeneration. 2019 , 7, 435 Relationship of amyloid-II-42 in blood and brain amyloid: Ginkgo Evaluation of Memory Study. 2020 , 2, fcz038 Association of Hypercholesterolemia with Alzheimer's Disease Pathology and Cerebral Amyloid	40 5
77° 769 768	Organ-On-A-Chip Models of the Brain and the Blood-Brain Barrier and Their Value to Study the Microbiota-Gut-Brain Axis in Neurodegeneration. 2019, 7, 435 Relationship of amyloid-1-42 in blood and brain amyloid: Ginkgo Evaluation of Memory Study. 2020, 2, fcz038 Association of Hypercholesterolemia with Alzheimer's Disease Pathology and Cerebral Amyloid Angiopathy. 2020, 73, 1305-1311 Renin-Angiotensin System and Alzheimer's Disease Pathophysiology: From the Potential	40 5 5
77° 769 768 767	Organ-On-A-Chip Models of the Brain and the Blood-Brain Barrier and Their Value to Study the Microbiota-Gut-Brain Axis in Neurodegeneration. 2019, 7, 435 Relationship of amyloid-11-42 in blood and brain amyloid: Ginkgo Evaluation of Memory Study. 2020, 2, fcz038 Association of Hypercholesterolemia with Alzheimer's Disease Pathology and Cerebral Amyloid Angiopathy. 2020, 73, 1305-1311 Renin-Angiotensin System and Alzheimer's Disease Pathophysiology: From the Potential Interactions to Therapeutic Perspectives. 2020, 27, 484-511 Neurovascular unit dysregulation, white matter disease, and executive dysfunction: the shared	40 5 5
77° 769 768 767 766	Organ-On-A-Chip Models of the Brain and the Blood-Brain Barrier and Their Value to Study the Microbiota-Gut-Brain Axis in Neurodegeneration. 2019, 7, 435 Relationship of amyloid-1-42 in blood and brain amyloid: Ginkgo Evaluation of Memory Study. 2020, 2, fcz038 Association of Hypercholesterolemia with Alzheimer's Disease Pathology and Cerebral Amyloid Angiopathy. 2020, 73, 1305-1311 Renin-Angiotensin System and Alzheimer's Disease Pathophysiology: From the Potential Interactions to Therapeutic Perspectives. 2020, 27, 484-511 Neurovascular unit dysregulation, white matter disease, and executive dysfunction: the shared triad of vascular cognitive impairment and Alzheimer disease. 2020, 42, 445-465 Ketone Bodies Promote Amyloid-IClearance in a Human in Vitro Blood-Brain Barrier Model. 2020,	40 5 5 10 23

762	Targeting endoplasmic reticulum stress and autophagy as therapeutic approaches for neurological diseases. 2020 , 350, 285-325	14
761	Effects of lycopene on vascular remodeling through the LXR-PI3K-AKT signaling pathway in APP/PS1 mice. 2020 , 526, 699-705	1
760	Periphery-confined particulate systems for the management of neurodegenerative diseases and toxicity: Avoiding the blood-brain-barrier challenge. 2020 , 322, 286-299	6
759	Hypertension and Pathogenic hAPP Independently Induce White Matter Astrocytosis and Cognitive Impairment in the Rat. 2020 , 12, 82	2
758	Isolation of Mouse Cerebral Microvasculature for Molecular and Single-Cell Analysis. 2020, 14, 84	3
757	GJ-4 alleviates Allnduced memory dysfunction in mice through protecting the neurovascular unit. 2020 , 127, 110131	4
756	A novel sensitive assay for detection of a biomarker of pericyte injury in cerebrospinal fluid. 2020 , 16, 821-830	22
755	Revisiting the blood-brain barrier: A hard nut to crack in the transportation of drug molecules. 2020 , 160, 121-140	41
754	CSF amyloid is a consistent predictor of white matter hyperintensities across the disease course from aging to Alzheimer's disease. 2020 , 91, 5-14	13
753	Repetitive mTBI is associated with age-related reductions in cerebral blood flow but not cortical thickness. 2021 , 41, 431-444	6
75 ²	Regional hyperperfusion in older adults with objectively-defined subtle cognitive decline. 2021 , 41, 1001-10 ²	212
751	Impact of physiological noise in characterizing the functional MRI default-mode network in Alzheimer's disease. 2021 , 41, 166-181	3
750	Older age and male sex are associated with higher cerebrovascular impedance. 2021 , 130, 172-181	2
749	Liposomal Carrier Conjugated to APP-Derived Peptide for Brain Cancer Treatment. 2021 , 41, 1019-1029	8
748	Increased blood-brain barrier permeability to water in the aging brain detected using noninvasive multi-TE ASL MRI. 2021 , 85, 326-333	6
747	Basic physiology of the blood-brain barrier in health and disease: a brief overview. 2021 , 9, 1840913	5
746	Hypoperfusion is a potential inducer of immunosuppressive network in Alzheimer's disease. 2021 , 142, 104919	3
745	Brain targeted Polysorbate-80 coated PLGA thymoquinone nanoparticles for the treatment of Alzheimer's disease, with biomechanistic insights. 2021 , 61, 102214	9

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744	337, 113552	5
743	Distinct Uptake Kinetics of Alzheimer Disease Amyloid- 40 and 42 at the Blood-Brain Barrier Endothelium. 2021 , 376, 482-490	4
742	Human mini-brain models. 2021 , 5, 11-25	11
741	Three-dimensional analysis of synaptic organization in the hippocampal CA1 field in Alzheimer's disease. 2021 , 144, 553-573	9
740	Protective effects of edaravone on white matter pathology in a novel mouse model of Alzheimer's disease with chronic cerebral hypoperfusion. 2021 , 41, 1437-1448	2
739	Chitosan nanoparticles to enhance nasal absorption and brain targeting of sitagliptin to treat Alzheimer's disease. 2021 , 61, 102176	8
738	Toward a global and reproducible science for brain imaging in neurotrauma: the ENIGMA adult moderate/severe traumatic brain injury working group. 2021 , 15, 526-554	7
737	Benefits of exercise training on cerebrovascular and cognitive function in ageing. 2021 , 41, 447-470	19
736	Brain amyloid and vascular risk are related to distinct white matter hyperintensity patterns. 2021 , 41, 1162-1174	4
735	Inactivation of HIF-prolyl 4-hydroxylases 1, 2 and 3 in NG2-expressing cells induces HIF2-mediated neurovascular expansion independent of erythropoietin. 2021 , 231, e13547	4
735 734		4
	neurovascular expansion independent of erythropoietin. 2021 , 231, e13547	4
734	neurovascular expansion independent of erythropoietin. 2021, 231, e13547 Effects of Cytomegalovirus on Pericytes. 2021, 99-124 Neuroimaging Advances in Diagnosis and Differentiation of HIV, Comorbidities, and Aging in the	3
734 733	neurovascular expansion independent of erythropoietin. 2021, 231, e13547 Effects of Cytomegalovirus on Pericytes. 2021, 99-124 Neuroimaging Advances in Diagnosis and Differentiation of HIV, Comorbidities, and Aging in the cART Era. 2021, 50, 105-143 Identification of hub ubiquitin ligase genes affecting Alzheimer's disease by analyzing	
734 733 732	neurovascular expansion independent of erythropoietin. 2021, 231, e13547 Effects of Cytomegalovirus on Pericytes. 2021, 99-124 Neuroimaging Advances in Diagnosis and Differentiation of HIV, Comorbidities, and Aging in the cART Era. 2021, 50, 105-143 Identification of hub ubiquitin ligase genes affecting Alzheimer's disease by analyzing transcriptome data from multiple brain regions. 2021, 104, 368504211001146 An Insight in Pathophysiological Mechanism of Alzheimer's Disease and its Management Using	3
734 733 732 731	neurovascular expansion independent of erythropoietin. 2021, 231, e13547 Effects of Cytomegalovirus on Pericytes. 2021, 99-124 Neuroimaging Advances in Diagnosis and Differentiation of HIV, Comorbidities, and Aging in the cART Era. 2021, 50, 105-143 Identification of hub ubiquitin ligase genes affecting Alzheimer's disease by analyzing transcriptome data from multiple brain regions. 2021, 104, 368504211001146 An Insight in Pathophysiological Mechanism of Alzheimer's Disease and its Management Using Plant Natural Products. 2021, 21, 35-57	3
734 733 732 731 730	Effects of Cytomegalovirus on Pericytes. 2021, 99-124 Neuroimaging Advances in Diagnosis and Differentiation of HIV, Comorbidities, and Aging in the cART Era. 2021, 50, 105-143 Identification of hub ubiquitin ligase genes affecting Alzheimer's disease by analyzing transcriptome data from multiple brain regions. 2021, 104, 368504211001146 An Insight in Pathophysiological Mechanism of Alzheimer's Disease and its Management Using Plant Natural Products. 2021, 21, 35-57 Neurovascular Unit: A critical role in ischemic stroke. 2021, 27, 7-16	3 8 17

726	Obesity, Vascular Disease and Frailty in Aging Women with HIV. 2021, 3,	
725	Changes of blood-brain-barrier function and transfer of amyloid beta in rats with collagen-induced arthritis. 2021 , 18, 35	4
724	Exogenous platelet-derived growth factor improves neurovascular unit recovery after spinal cord injury. 2021 , 16, 765-771	7
723	Alzheimer's disease neuropathology is exacerbated following traumatic brain injury. Neuroprotection by co-administration of nanowired mesenchymal stem cells and cerebrolysin with monoclonal antibodies to amyloid beta peptide. 2021 , 265, 1-97	O
722	Neurovascular unit protectionBovel therapeutic targets and strategies. 2021 , 27, 5-6	1
721	Neurological complications of heart failure. 2021 , 177, 77-89	Ο
720	Two-Photon Phosphorescence Lifetime Microscopy. 2021 , 3233, 63-82	
719	The biological pathways of Alzheimer disease: a review. 2021 , 8, 86-132	33
718	Fenestrated Capillary and Dynamic Neuro-Glial-Vascular Reorganization of the Adult Neurohypophysis. 2021 , 63-79	
717	The relationship between heart disease and cognitive impairment. 2021 , 177, 377-391	1
716	Blood-Brain Barrier Disruption: A Common Driver of Central Nervous System Diseases. 2021 , 1073858420985	5838
715	Presence of a mutation in PSEN1 or PSEN2 gene is associated with an impaired brain endothelial cell phenotype in vitro. 2021 , 18, 3	10
714	Vasculotide restores the blood-brain barrier after focused ultrasound-induced permeability in a mouse model of Alzheimer's disease. 2021 , 18, 482-493	6
713	Pathophysiological Clues to How the Emergent SARS-CoV-2 Can Potentially Increase the Susceptibility to Neurodegeneration. 2021 , 58, 2379-2394	17
712	New Perspectives. 2021 , 697-719	
711	Impact of Tau on Neurovascular Pathology in Alzheimer's Disease. 2020 , 11, 573324	9
710	Expression of glucose transporters in human neurodegenerative diseases. 2021 , 540, 8-15	7
709	Apolipoprotein E4 Reduction with Antisense Oligonucleotides Decreases Neurodegeneration in a Tauopathy Model. 2021 , 89, 952-966	7

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708	Cardiac glycosides target barrier inflammation of the vasculature, meninges and choroid plexus. 2021 , 4, 260	8
707	Fine Particulate Matter and Markers of Alzheimer's Disease Neuropathology at Autopsy in a Community-Based Cohort. 2021 , 79, 1761-1773	2
706	A Human 3D neural assembloid model for SARS-CoV-2 infection. 2021 ,	2
705	Homocysteine in Neurology: A Possible Contributing Factor to Small Vessel Disease. 2021 , 22,	9
704	Effects of Alzheimer's and Vascular Pathologies on Structural Connectivity in Early- and Late-Onset Alzheimer's Disease. 2021 , 15, 606600	0
703	Sex and age-related differences in cerebral blood flow investigated using pseudo-continuous arterial spin labeling magnetic resonance imaging. 2021 , 13, 4911-4925	6
702	Extracellular Vesicles From 3xTg-AD Mouse and Alzheimer's Disease Patient Astrocytes Impair Neuroglial and Vascular Components. 2021 , 13, 593927	6
701	The Protective Effects of Ropivacaine Against High Glucose-induced Brain Microvascular Endothelial Injury by Reducing MMPs and Alleviating Oxidative Stress. 2021 , 39, 851-859	3
700	Extending the Calpain-Cathepsin Hypothesis to the Neurovasculature: Protection of Brain Endothelial Cells and Mice from Neurotrauma. 2021 , 4, 372-385	2
699	A Human 3D neural assembloid model for SARS-CoV-2 infection. 2021 ,	2
698	S100A8 Promotes Inflammation Toll-Like Receptor 4 After Experimental Traumatic Brain Injury. 2020 , 14, 616559	1
697	Neutrophil extracellular traps promote tPA-induced brain hemorrhage via cGAS in mice with stroke. 2021 , 138, 91-103	11
696	Endothelial Iron Homeostasis Regulates Blood-Brain Barrier Integrity via the HIF2EVe-Cadherin Pathway. 2021 , 13,	6
695	The Neurovascular Unit Dysfunction in Alzheimer's Disease. 2021 , 22,	25
694	SSAO/VAP-1 in Cerebrovascular Disorders: A Potential Therapeutic Target for Stroke and Alzheimer's Disease. 2021 , 22,	5
693	Pericytes and the Neurovascular Unit: The Critical Nexus of Alzheimer Disease Pathogenesis?. 2021 , 000, 000-000	
692	Quantitative blood flow estimation in vivo by optical speckle image velocimetry.	1
691	Role of the gut microbiome in Alzheimer's disease. 2021 , 32, 767-789	5

690	Role of insulin receptor substance-1 modulating PI3K/Akt insulin signaling pathway in Alzheimer's disease. 2021 , 11, 179	2
689	Effects of Alzheimer's Disease-Related Proteins on the Chirality of Brain Endothelial Cells. 2021 , 14, 231-240	3
688	Tumor Necrosis Factor Alpha in Amyotrophic Lateral Sclerosis: Friend or Foe?. 2021, 10,	1
687	Modification of Glial Cell Activation through Dendritic Cell Vaccination: Promises for Treatment of Neurodegenerative Diseases. 2021 , 71, 1410-1424	4
686	Association of Red Blood Cell Indices with Mild Cognitive Impairment in Chinese Elderly Individuals: A Matched Case-control Study. 2020 , 17, 1161-1166	1
685	Endothelin-1 mediated vasoconstriction leads to memory impairment and synaptic dysfunction. 2021 , 11, 4868	2
684	Targeting neutrophils as a novel therapeutic strategy after stroke. 2021 , 41, 2150-2161	8
683	Complement Activation in the Central Nervous System: A Biophysical Model for Immune Dysregulation in the Disease State. 2021 , 14, 620090	4
682	Blood-brain barrier integrity is the primary target of alcohol abuse. 2021 , 337, 109400	1
681	Integrated Transcriptomic and Neuroimaging Brain Model Decodes Biological Mechanisms in Aging and Alzheimer Disease.	
680	Peripheral Markers of Neurovascular Unit Integrity and Amyloid-lin the Brains of Menopausal Women. 2021 , 80, 397-405	2
679	Lipid Transport and Metabolism at the Blood-Brain Interface: Implications in Health and Disease. 2021 , 12, 645646	11
678	Association between dementia and systemic rheumatic disease: A nationwide population-based study. 2021 , 16, e0248395	О
677	Blood Pressure and Risk of Cognitive Impairment: The Role of Vascular Disease in Neurodegeneration. 2021 , 11,	2
676	Plasma hydrogen sulfide: A biomarker of Alzheimer's disease and related dementias. 2021 , 17, 1391-1402	7
675	Physical Exercise and Alzheimer's Disease: Effects on Pathophysiological Molecular Pathways of the Disease. 2021 , 22,	8
674	Blast-induced temporal alterations in blood-brain barrier properties in a rodent model. 2021 , 11, 5906	4
673	Choriocapillaris Changes Are Correlated With Disease Duration and MoCA Score in Early-Onset Dementia. 2021 , 13, 656750	O

672	Endothelial cell damage is the central part of COVID-19 and a mouse model induced by injection of the S1 subunit of the spike protein. 2021 , 51, 151682	40
671	Role of ABCA7 in Human Health and in Alzheimer's Disease. 2021 , 22,	10
670	Peripheral Markers of Vascular Endothelial Dysfunction Show Independent but Additive Relationships with Brain-Based Biomarkers in Association with Functional Impairment in Alzheimer's Disease. 2021 , 80, 1553-1565	6
669	Neurovascular coupling dysfunction in end-stage renal disease patients related to cognitive impairment. 2021 , 41, 2593-2606	3
668	Association between white matter hyperintensity load and grey matter atrophy in mild cognitive impairment is not unidirectional. 2021 , 13, 10973-10988	3
667	Insoluble Vascular Amyloid Deposits Trigger Disruption of the Neurovascular Unit in Alzheimer's Disease Brains. 2021 , 22,	6
666	Dysfunctional vascular smooth muscle cells mediate early and late-stage neuroinflammation and Tau hyperphosphorylation.	0
665	The role of brain barriers in the neurokinetics and pharmacodynamics of lithium. 2021 , 166, 105480	1
664	Epigenetics in blood-brain barrier disruption. 2021 , 18, 17	7
663	Inflammaging: inflammation and oxidative stress as a cause of aging and cognitive decline. 2021, 48-58	
662	The brain as an insulin-sensitive metabolic organ. 2021 , 52, 101234	12
661	Neutrophil Extracellular Traps: A Perspective of Neuroinflammation and Complement Activation in Alzheimer's Disease. 2021 , 8, 630869	4
660	Lowered cognitive function and the risk of the first events of cardiovascular diseases: findings from a cohort study in Lithuania. 2021 , 21, 792	1
	d conore seedly in Elendania. Ever, E1, 192	1
659	Circulating Angiotensin-(1-7) Is Reduced in Alzheimer's Disease Patients and Correlates With White Matter Abnormalities: Results From a Pilot Study. 2021 , 15, 636754	6
659 658	Circulating Angiotensin-(1-7) Is Reduced in Alzheimer's Disease Patients and Correlates With White	
	Circulating Angiotensin-(1-7) Is Reduced in Alzheimer's Disease Patients and Correlates With White Matter Abnormalities: Results From a Pilot Study. 2021 , 15, 636754	
658	Circulating Angiotensin-(1-7) Is Reduced in Alzheimer's Disease Patients and Correlates With White Matter Abnormalities: Results From a Pilot Study. 2021 , 15, 636754 Angiopoietin 1 and integrin beta 1b are vital for zebrafish brain development. Alteration of Iron Concentration in Alzheimer's Disease as a Possible Diagnostic Biomarker	6

654	The Cognition and Flow Study: A Feasibility Randomized Controlled Trial of the Effects of Cognitive Training on Cerebral Blood Flow. 2021 , 80, 1567-1581	1
653	Hypoxia compromises the mitochondrial metabolism of Alzheimer disease microglia via HIF1. 2021 , 1, 385-399	9
652	mTOR Attenuation with Rapamycin Reverses Neurovascular Uncoupling and Memory Deficits in Mice Modeling Alzheimer's Disease. 2021 , 41, 4305-4320	5
651	Protein Footprinting via Covalent Protein Painting Reveals Structural Changes of the Proteome in Alzheimer's Disease. 2021 , 20, 2762-2771	9
650	APOE4 genotype increases neuronal calcium signals and decreases pial arteriole responsivity and vasomotion in visual cortex of awake mice.	1
649	Vascular risk factors are associated with a decline in resting-state functional connectivity in cognitively unimpaired individuals at risk for Alzheimer's disease: Vascular risk factors and functional connectivity changes. 2021 , 231, 117832	2
648	Nanomedicine against Alzheimer's and Parkinson's Disease. 2021 , 27, 1507-1545	3
647	Tau pathologies mediate the association of blood pressure with cognitive impairment in adults without dementia: The CABLE study. 2021 ,	3
646	Bacille Calmette-Gufin attenuates vascular amyloid pathology and maximizes synaptic preservation in APP/PS1 mice following active amyloid-limmunotherapy. 2021 , 101, 94-108	2
645	Exercise training ameliorates cognitive dysfunction in amyloid beta-injected rat model: possible mechanisms of Angiostatin/VEGF signaling. 2021 , 36, 2263-2271	3
644	Blood pressure in dementia, mild cognitive impairment, and subjective cognitive decline related to time of death. 2021 , 11, e02166	1
643	SARS-CoV-2 spike protein induces brain pericyte immunoreactivity in absence of productive viral infection.	1
642	Exercise, Arterial Stiffness, and Cerebral Vascular Function: Potential Impact on Brain Health. 2021 , 27, 761-775	1
641	Nanotechnology as a therapeutic strategy to prevent neuropsychomotor alterations associated with hypercholesterolemia. 2021 , 201, 111608	2
640	The Contribution of Small Vessel Disease to Neurodegeneration: Focus on Alzheimer's Disease, Parkinson's Disease and Multiple Sclerosis. 2021 , 22,	7
639	Annexin A1 restores cerebrovascular integrity concomitant with reduced amyloid-land tau pathology. 2021 , 144, 1526-1541	6
638	Red Cell Distribution Width, Anemia, and Brain Volumetric Outcomes Among Middle-Aged Adults. 2021 , 81, 711-727	2
637	Role of P2X7 Receptors in Immune Responses During Neurodegeneration. 2021 , 15, 662935	5

636	Diabetes, Albuminuria and the Kidney-Brain Axis. 2021 , 10,	2
635	Emerging Brain-Pathophysiology-Mimetic Platforms for Studying Neurodegenerative Diseases: Brain Organoids and Brains-on-a-Chip. 2021 , 10, e2002119	7
634	An engineered neurovascular unit for modeling neuroinflammation. 2021, 13,	7
633	The Consumption of Energy Drinks Induces Blood-Brain Barrier Dysfunction in Wild-Type Mice. 2021 , 8, 668514	O
632	Association of Intensive vs Standard Blood Pressure Control With Magnetic Resonance Imaging Biomarkers of Alzheimer Disease: Secondary Analysis of the SPRINT MIND Randomized Trial. 2021 , 78, 568-577	14
631	Four Weeks of Detraining Induced by COVID-19 Reverse Cardiac Improvements from Eight Weeks of Fitness-Dance Training in Older Adults with Mild Cognitive Impairment. 2021 , 18,	3
630	Advancing Diabetic Retinopathy Research: Analysis of the Neurovascular Unit in Zebrafish. 2021 , 10,	1
629	Remodelling and Treatment of the Blood-Brain Barrier in Glioma. 2021 , 13, 4217-4232	3
628	A Systematic Review of Glucose Transport Alterations in Alzheimer's Disease. 2021 , 15, 626636	8
627	The contact activation system and vascular factors as alternative targets for Alzheimer's disease therapy. 2021 , 5, e12504	3
626	Perivascular spaces and brain waste clearance systems: relevance for neurodegenerative and cerebrovascular pathology. 2021 , 63, 1581-1597	8
625	Integrated transcriptomic and neuroimaging brain model decodes biological mechanisms in aging and Alzheimer's disease. 2021 , 10,	4
624	The connections of Locus Coeruleus with hypothalamus: potential involvement in Alzheimer's disease. 2021 , 128, 589-613	3
623	Nutraceuticals-based therapeutic approach: recent advances to combat pathogenesis of Alzheimer's disease. 2021 , 21, 625-642	9
622	Vitamin K2 Holds Promise for Alzheimer's Prevention and Treatment. 2021 , 13,	2
621	Entorhinal Perfusion Predicts Future Memory Decline, Neurodegeneration, and White Matter Hyperintensity Progression in Older Adults. 2021 , 81, 1711-1725	2
620	The Cerebral Effect of Ammonia in Brain Aging: Blood-Brain Barrier Breakdown, Mitochondrial Dysfunction, and Neuroinflammation. 2021 , 10,	0
619	Blood-Brain Barrier Dysfunction in the Detrimental Brain Function.	2

618	Longitudinal Cognitive and Physical Training Effectiveness in MCI, Based on the Experience of the Alzheimer's Hellas Day Care Centre. 2021 , 8919887211016057	5
617	Development of Novel Therapeutics Targeting the Blood-Brain Barrier: From Barrier to Carrier. 2021 , 8, e2101090	16
616	Modifications of physical and functional integrity of the blood-brain barrier in an inducible mouse model of neurodegeneration. 2021 , 191, 108588	2
615	Repurposing Licensed Drugs for Use Against Alzheimer's Disease. 2021 , 81, 921-932	1
614	NIR-II Fluorescence imaging for cerebrovascular diseases. 20200128	4
613	Role of Neuron and Glia in Alzheimer's Disease and Associated Vascular Dysfunction. 2021 , 13, 653334	8
612	The neural economics of brain aging. 2021 , 11, 12167	
611	The Conspicuous Link between Ear, Brain and Heart-Could Neurotrophin-Treatment of Age-Related Hearing Loss Help Prevent Alzheimer's Disease and Associated Amyloid Cardiomyopathy?. 2021 , 11,	5
610	Evidence of cerebral hemodynamic dysregulation in middle-aged APOE p carriers: The PREVENT-Dementia study. 2021 , 41, 2844-2855	3
609	Repurposing metformin to treat age-related neurodegenerative disorders and ischemic stroke. 2021 , 274, 119343	12
608	Glia-Driven Neuroinflammation and Systemic Inflammation in Alzheimer's Disease. 2021 , 19, 908-924	3
607	Homocysteine and Age-Related Central Nervous System Diseases: Role of Inflammation. 2021 , 22,	3
606	Alzheimer's Disease, Neural Plasticity, and Functional Recovery. 2021 , 82, S37-S50	4
605	Vascular Dysfunction in the Brain; Implications for Heavy Metal Exposures. 2021 , 17, 5-13	O
604	Hypertension-induced cognitive impairment: from pathophysiology to public health. 2021, 17, 639-654	29
603	Longitudinal Cerebral Blood Flow Changes in Normal Aging and the Alzheimer's Disease Continuum Identified by Arterial Spin Labeling MRI. 2021 , 81, 1727-1735	3
602	The Neurovascular Unit in Dementia: An Opinion on Current Research and Future Directions. 2021 , 13, 721937	1
601	Relationship Between Amyloid-Deposition and Blood-Brain Barrier Dysfunction in Alzheimer's Disease. 2021 , 15, 695479	14

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600	Reactive astrocytes: The nexus of pathological and clinical hallmarks of Alzheimer's disease. 2021 , 68, 101335	15
599	The role of extracellular matrix alterations in mediating astrocyte damage and pericyte dysfunction in Alzheimer's disease: A comprehensive review. 2021 ,	5
598	Cerebral blood flow response rate to task-activation using a novel method can discriminate cognitive impairment from healthy aging. 2021 , 42,	2
597	Arterial stiffening acts synergistically with APOE genotype and AD biomarker status to influence memory in older adults without dementia. 2021 , 13, 121	1
596	Trajectory patterns of blood pressure change up to six years and the risk of dementia: a nationwide cohort study. 2021 , 13, 17380-17406	O
595	Magnetic Resonance Imaging and Clinical Features of the Demyelinating Degeneration of White Matter in Young Patients. 2021 , 14, 3177-3186	O
594	Solid Lipid Nanoparticles (SLNs): An Advanced Drug Delivery System Targeting Brain through BBB. 2021 , 13,	18
593	ApoE4 activates C/EBPÆsecretase with 27-hydroxycholesterol, driving the pathogenesis of Alzheimer's disease. 2021 , 202, 102032	3
592	White matter hyperintensity topography in Alzheimer's disease and links to cognition. 2021,	6
591	Neurovascular-modulation: A review of primary vascular responses to transcranial electrical stimulation as a mechanism of action. 2021 , 14, 837-847	7
590	Interplay between Brain Pericytes and Endothelial Cells in Dementia. 2021, 191, 1917-1931	7
589	Omega-3 fatty acids are associated with blood-brain barrier integrity in a healthy aging population. 2021 , 11, e2273	5
588	Nanotechnology-Based Strategies for Early Diagnosis of Central Nervous System Disorders. 2021 , 1, 2100008	3
587	Fluid metabolic pathways after subarachnoid hemorrhage. 2021 , 160, 13	2
586	A human three-dimensional neural-perivascular 'assembloid' promotes astrocytic development and enables modeling of SARS-CoV-2 neuropathology. 2021 , 27, 1600-1606	28
585	Cognitive Impairment and Dementia After Stroke: Design and Rationale for the DISCOVERY Study. 2021 , 52, e499-e516	6
584	Cognitive Dysfunction after Heart Disease: A Manifestation of the Heart-Brain Axis. 2021 , 2021, 4899688	3
583	Blood-Brain Barrier Breakdown: An Emerging Biomarker of Cognitive Impairment in Normal Aging and Dementia. 2021 , 15, 688090	22

582	Recent advances in nano delivery systems for blood-brain barrier (BBB) penetration and targeting of brain tumors. 2021 , 26, 1944-1952	23
581	Evolution of blood-brain barrier in brain diseases and related systemic nanoscale brain-targeting drug delivery strategies. 2021 , 11, 2306-2325	33
580	Proteomic landscape of Alzheimer's Disease: novel insights into pathogenesis and biomarker discovery. 2021 , 16, 55	10
579	Vascular contributions to cognitive impairment and dementia: the emerging role of 20-HETE. 2021 , 135, 1929-1944	1
578	Neurovascular dysfunction and vascular amyloid accumulation as early events in Alzheimer's disease. 2021 , 1	7
577	Impaired Hippocampal Neurovascular Coupling in a Mouse Model of Alzheimer's Disease. 2021 , 12, 715446	1
576	Negative Effects of COVID-19 Stay-at-Home Mandates on Physical Intervention Outcomes: A Preliminary Study. 2021 , 11, 1067-1077	3
575	Neuroinflammatory Signaling in the Pathogenesis of Alzheimer's Disease. 2021 ,	5
574	Optimization of cerebral organoids: a more qualified model for Alzheimer's disease research. 2021 , 10, 27	4
573	Pericytes: Intrinsic Transportation Engineers of the CNS Microcirculation. 2021 , 12, 719701	4
572	Neurovascular imaging with QUTE-CE MRI in APOE4 rats reveals early vascular abnormalities. 2021 , 16, e0256749	1
571	Differences in the prevention and control of cardiovascular and cerebrovascular diseases. 2021 , 170, 105737	5
570	CSF in Epileptic Prodromal Alzheimer's Disease: No Diagnostic Contribution but a Pathophysiological One. 2021 , 12, 623777	О
569	Quantitative blood flow estimation in vivo by optical speckle image velocimetry. 2021 , 8, 1092	3
568	Intrusion errors moderate the relationship between blood glucose and regional cerebral blood flow in cognitively unimpaired older adults. 2021 , 1	O
567	Microglial TREM2 Mitigates Inflammatory Responses and Neuronal Apoptosis in Angiotensin II-Induced Hypertension in Middle-Aged Mice. 2021 , 13, 716917	3
566	The Beneficial Role of Exercise on Treating Alzheimer's Disease by Inhibiting EAmyloid Peptide. 2021 , 58, 5890-5906	2
565	Vascular smooth muscle cell dysfunction contribute to neuroinflammation and Tau hyperphosphorylation in Alzheimer disease. 2021 , 24, 102993	3

564	Sex Differences in Locus Coeruleus: A Heuristic Approach That May Explain the Increased Risk of Alzheimer's Disease in Females. 2021 , 83, 505-522	1
563	The Common Neurological Presentations and Clinical Outcomes of Coronavirus Disease 2019 in Saudi Arabia. 2021 , 12, 737328	1
562	Blood pressure variability and medial temporal atrophy in apolipoprotein ?4 carriers. 2021, 1	2
561	Short-term consumption of alcohol (vodka) mixed with energy drink (AMED) attenuated alcohol-induced cerebral capillary disturbances and neuroinflammation in adult wild-type mice. 2021 , 1-10	Ο
560	Neurovascular Alterations in Vascular Dementia: Emphasis on Risk Factors. 2021 , 13, 727590	6
559	Red cell distribution width, anemia and their associations with white matter integrity among middle-aged urban adults. 2021 , 105, 229-240	О
558	Hypoxia with inflammation and reperfusion alters membrane resistance by dynamically regulating voltage-gated potassium channels in hippocampal CA1 neurons. 2021 , 14, 147	1
557	Blood-Brain Barrier Crossing Renin-Angiotensin Drugs and Cognition in the Elderly: A Meta-Analysis. 2021 , 78, 629-643	11
556	Brain White Matter Structure and Amyloid Deposition in Black and White Older Adults: The ARIC-PET Study. 2021 , 10, e022087	Ο
555	Study of neurovascular coupling by using mesoscopic and microscopic imaging. 2021 , 24, 103176	О
554	Visit-to-visit blood pressure variability and regional cerebral perfusion decline in older adults. 2021 , 105, 57-63	6
553	Ginger, a Possible Candidate for the Treatment of Dementias?. 2021 , 26,	1
552	Reversing pathology in a preclinical model of Alzheimer's disease by hacking cerebrovascular neoangiogenesis with advanced cancer therapeutics. 2021 , 71, 103503	3
551	Vascular risk is not associated with Alzheimer disease neuropathology among cognitively normal older adults.	
550	A functional cerebral endothelium is necessary to protect against cognitive decline. 2021 , 271678X2110454	38 ₅
549	Oxygen Sensing and Signaling in Alzheimer's Disease: A Breathtaking Story!. 2021 , 1	
548	Age-associated changes in microglia and astrocytes ameliorate blood-brain barrier dysfunction. 2021 , 26, 970-986	1
547	Involvement of cerebrovascular abnormalities in the pathogenesis and progression of Alzheimer's disease: an adrenergic approach. 2021 , 13, 21791-21806	2

546	Quantitative Imaging of Blood-Brain Barrier Permeability Following Repetitive Mild Head Impacts. 2021 , 12, 729464	1
545	Regulation of cerebral blood flow in humans: physiology and clinical implications of autoregulation. 2021 , 101, 1487-1559	56
544	Neurochemical changes underlying cognitive impairment in olfactory bulbectomized rats and the impact of the mGlu-positive allosteric modulator CDPPB. 2021 , 1768, 147577	О
543	Magnetic Resonance Imaging of Blood-Brain Barrier permeability in Dementia. 2021 , 474, 14-29	5
542	Hypoxia/ischemia impairs CD33 (Siglec-3)/TREM2 signaling: Potential role in Alzheimer's pathogenesis. 2021 , 150, 105186	2
541	Vascular endothelial growth factor associated dissimilar cerebrovascular phenotypes in two different mouse models of Alzheimer's Disease. 2021 , 107, 96-108	O
540	The multifaceted gene. 2021 , 8, 798-813	2
539	Cerebrovascular reactivity changes in acute concussion: a controlled cohort study. 2021 , 11, 4530-4542	O
538	Abnormal amyloid beta metabolism in systemic abnormalities and Alzheimer's pathology: Insights and therapeutic approaches from periphery. 2021 , 71, 101451	4
537	Contribution of neuroinflammation, resolution, and neuroprotection in neurodegenerative diseases. 2022 , 121-160	
536	Cerebral small vessel disease: A glymphopathy?. 2021 , 72, 15-21	10
535	Generation of a new immortalized human lung pericyte cell line: a promising tool for human lung pericyte studies. 2021 , 101, 625-635	O
534	"Fishing" nano-bio interactions at the key biological barriers. 2021 , 13, 5954-5964	1
533	Sex differences in CSF biomarkers of Alzheimer® disease. 2021 , 107-123	
532	Type 2 diabetes mellitus-associated transcriptome alterations in cortical neurones and associated neurovascular unit cells in the ageing brain. 2021 , 9, 5	5
531	The Epidemiology of Alzheimer's Disease Modifiable Risk Factors and Prevention. 2021 , 8, 313-321	18
530	Neurovascular coupling alterations in type 2 diabetes: a 5-year longitudinal MRI study. 2021 , 9,	5
529	Pathological changes in neurovascular units: Lessons from cases of vascular dementia. 2021 , 27, 17-25	7

528	The Blood B rain Barrier in Neuroinflammation. 2013 , 157-179	4
527	Disease Influence on BBB Transport in Neurodegenerative Disorders. 2014 , 591-634	3
526	Laser Speckle Imaging of Cerebral Blood Flow. 2014 , 255-271	2
525	Multifaceted Role of Matrix Metalloproteases on Human Diseases. 2017 , 21-40	1
524	Data Platform for the Research and Prevention of Alzheimer's Disease. 2017 , 1028, 55-78	1
523	Identification of early pericyte loss and vascular amyloidosis in Alzheimer's disease retina. 2020 , 139, 813-836	49
522	The role of perivascular innervation and neurally mediated vasoreactivity in the pathophysiology of Alzheimer's disease. 2017 , 131, 1207-1214	4
521	Inflammation: major denominator of obesity, Type 2 diabetes and Alzheimer's disease-like pathology?. 2020 , 134, 547-570	18
520	Baseline White Matter Hyperintensities and Hippocampal Volume are Associated With Conversion From Normal Cognition to Mild Cognitive Impairment in the Framingham Offspring Study. 2018 , 32, 50-56	29
519	Retinal Microvascular Alterations as the Biomarkers for Alzheimer Disease: Are We There Yet?. 2021 , 41, 251-260	2
518	Genetic, transcriptome, proteomic and epidemiological evidence for blood brain barrier disruption and polymicrobial brain invasion as determinant factors in Alzheimer disease.	2
517	Covalent Protein Painting Reveals Structural Changes in the Proteome in Alzheimer Disease.	2
516	A validated quantitative method for the assessment of neuroprotective barrier impairment in neurodegenerative disease models.	O
515	Prostacyclin Promotes Degenerative Pathology in a Model of Alzheimer∃ disease.	1
514	Secondary single-cell transcriptomic analysis reveals common molecular signatures of cerebrovascular injury between traumatic brain injury and aging.	1
513	F-domain valency determines outcome of signaling through the angiopoietin pathway. 2020,	28
512	40 Hz acoustic stimulation decreases amyloid beta and modulates brain rhythms in a mouse model of Alzheimer∄ disease.	1
511	Neurovascular coupling preserved in a chronic mouse model of Alzheimer disease: Methodology is critical.	1

510	Blood-brain barrier dysfunction in aging induces hyper-activation of TGF-beta signaling and chronic yet reversible neural dysfunction.	4
509	Cerebral atherosclerosis contributes to Alzheimer dementia independently of its hallmark amyloid and tau pathologies.	3
508	The effects of age on resting-state BOLD signal variability is explained by cardiovascular and cerebrovascular factors.	6
507	Blood-retina barrier failure and vision loss in neuron-specific degeneration. 2019 , 5,	29
506	Cellular senescence in brain aging and neurodegenerative diseases: evidence and perspectives. 2018 , 128, 1208-1216	162
505	Blood will out: vascular contributions to Alzheimer's disease. 2018 , 128, 556-563	52
504	The Neurovascular Unit. 2015 , 86-118	2
503	Cerebral Small Vessel Disease. 2020 , 26, 332-352	6
502	longitudinal visualization of the brain neuroinflammatory response at the cellular level in LysM-GFP mice induced by 3-nitropropionic acid. 2020 , 11, 4835-4847	4
501	The vasculome of the mouse brain. 2012 , 7, e52665	37
500	Imatinib ameliorates neuroinflammation in a rat model of multiple sclerosis by enhancing blood-brain barrier integrity and by modulating the peripheral immune response. 2013 , 8, e56586	41
499	Enhanced A[/1-40) production in endothelial cells stimulated with fibrillar A[/1-42). 2013 , 8, e58194	12
498	Inhibition of HIF prolyl-4-hydroxylases by FG-4497 reduces brain tissue injury and edema formation during ischemic stroke. 2014 , 9, e84767	69
497	Cilostazol add-on therapy in patients with mild dementia receiving donepezil: a retrospective study. 2014 , 9, e89516	56
496	Long-term dietary supplementation of pomegranates, figs and dates alleviate neuroinflammation in a transgenic mouse model of Alzheimer's disease. 2015 , 10, e0120964	51
495	The vitamin D, ionised calcium and parathyroid hormone axis of cerebral capillary function: therapeutic considerations for vascular-based neurodegenerative disorders. 2015 , 10, e0125504	10
494	Chronic Replication Problems Impact Cell Morphology and Adhesion of DNA Ligase I Defective Cells. 2015 , 10, e0130561	3
493	The Age-Dependent Relationship between Blood Pressure and Cognitive Impairment: A Cross-Sectional Study in a Rural Area of Xi'an, China. 2016 , 11, e0159485	20

LDL-Cholesterol Increases the Transcytosis of Molecules through Endothelial Monolayers. 2016, 11, e0163988 6 492 Mapping cerebral pulse pressure and arterial compliance over the adult lifespan with optical 491 21 imaging. 2017, 12, e0171305 Cerebrospinal fluid from patients with amyotrophic lateral sclerosis inhibits sonic hedgehog 490 17 function. 2017, 12, e0171668 Oxidative stress affects processing of amyloid precursor protein in vascular endothelial cells. 2017, 489 30 12, e0178127 A glycan-based approach to therapeutic angiogenesis. 2017, 12, e0182301 6 488 Imaging Vascular Disease and Amyloid in the Aging Brain: Implications for Treatment. 2015, 2, 64-70 487 17 486 Astrocyte phenotypes: Emphasis on potential markers in neuroinflammation. 2021, 36, 267-290 1 Effects of Ectoine on Behavior and Candidate Genes Expression in ICV-STZ Rat Model of Sporadic 485 Alzheimer's Disease. 2017, 7, 629-636 Brain Capillaries in Alzheimer Disease. 2015, 2, 484 5 483 Glioblastoma: To Target the Tumor Cell or the Microenvironment?. 315-340 [Noninvasive brain stimulation in the rehabilitation of patients with post-stroke aphasia]. 2020, 120, 23-28 482 Effects of senescence and angiotensin II on expression and processing of amyloid precursor protein 481 in human cerebral microvascular endothelial cells. 2018, 10, 100-114 Brain hemodynamic changes in amnestic mild cognitive impairment measured by pulsed arterial 480 3 spin labeling. 2020, 12, 4348-4356 Cognitive enhancement of healthy older adults using hyperbaric oxygen: a randomized controlled 479 10 trial. 2020, 12, 13740-13761 High pulse pressure is a risk factor for prodromal Alzheimer's disease: a longitudinal study. 2020, 478 2 12, 18221-18237 Neurofilament light chain predicts risk of recurrence in cerebral amyloid angiopathy-related 6 477 intracerebral hemorrhage. 2020, 12, 23727-23738 High fat diet exacerbates Alzheimer's disease-related pathology in APPswe/PS1 mice. 2016, 7, 67808-67827 68 476 Severe chronic cerebral hypoperfusion induces microglial dysfunction leading to memory loss in 21 APPswe/PS1 mice. 2016, 7, 11864-80

474	Combinatorial approaches for the identification of brain drug delivery targets. 2014, 20, 1564-76	15
473	Phase 1 safety, tolerability and pharmacokinetics of 3K3A-APC in healthy adult volunteers. 2013 , 19, 7479-85	55
472	Liposomes: Novel Drug Delivery Approach for Targeting Parkinson's Disease. 2020 , 26, 4721-4737	16
471	AMPK: Potential Therapeutic Target for Alzheimer's Disease. 2020 , 21, 66-77	10
470	Radial Glia-endothelial Cells' Bidirectional Interactions Control Vascular Maturation and Astrocyte Differentiation: Impact for Blood-brain Barrier Formation. 2019 , 16, 291-300	11
469	Myelin injury and degraded myelin vesicles in Alzheimer's disease. 2014 , 11, 232-8	43
468	What Metabolic Syndrome Contributes to Brain Outcomes in African American & Caucasian Cohorts. 2015 , 12, 640-7	16
467	The changing landscape of voltage-gated calcium channels in neurovascular disorders and in neurodegenerative diseases. 2013 , 11, 276-97	26
466	The effects of obesity on the cerebral vasculature. 2014 , 12, 462-72	48
465	Biphasic mechanisms of neurovascular unit injury and protection in CNS diseases. 2013 , 12, 302-15	77
464	Oxidative Stress in the Pathogenesis of Alzheimer's Disease and Cerebrovascular Disease with Therapeutic Implications. 2020 , 19, 94-108	9
463	Enhancement of Neurocognitive Assessments Using Smartphone Capabilities: Systematic Review. 2020 , 8, e15517	8
462	Opposing Roles of apolipoprotein E in aging and neurodegeneration. 2019 , 2,	13
461	Central nervous system diseases associated with blood brain barrier breakdown - A Comprehensive update of existing literatures. 2020 , 4, 053-062	2
460	A novel view on Alzheimer disease pathogenesis: modern conceptof amyloid clearance. 2018, 22-28	3
459	Insulin, Brain, Alzheimer∄ Disease: New Evidence. 2020 , 6, 96-126	6
458	IL-6 Induced by Periodontal Inflammation Causes Neuroinflammation and Disrupts the Blood-Brain Barrier. 2020 , 10,	9
457	Alzheimer's Disease: An Overview of Major Hypotheses and Therapeutic Options in Nanotechnology. 2020 , 11,	5

456	Sleep-Disordered Breathing and Cerebral Oxygenation During Sleep in Adults With Mild Cognitive Impairment. 2018 , 11, 283-292	1
455	Serum thyroid-stimulating hormone level and relation with size of hippocampus in patients with mild cognitive disorders. 2016 , 57, 353-356	3
454	Houshiheisan compound prescription protects neurovascular units after cerebral ischemia. 2014 , 9, 741-8	10
453	Antioxidant-induced reductive stress has untoward consequences on the brain microvasculature. 2017 , 12, 743-744	11
452	Amelioration of cognitive deficits by Spirulina platensis in L-methionine-induced rat model of vascular dementia. 2020 , 16, 133	3
45 ¹	Dementia and Cognitive Impairment Reduction after Laser Transcatheter Treatment of Alzheimer Disease. 2015 , 05, 189-203	11
450	Differences in Cerebral Angioarchitectonics in Alzheimer's Disease in Comparison with Other Neurodegenerative and Ischemic Lesions. 2018 , 08, 454-469	1
449	Effects of Amyloid Beta Peptide on Neurovascular Cells. 2012 , 1, 4	3
448	More homogeneous capillary flow and oxygenation in deeper cortical layers correlate with increased oxygen extraction. 2019 , 8,	37
447	Myocardin in biology and disease. 2015 , 29, 3-19	77
447	Myocardin in biology and disease. 2015 , 29, 3-19 Novel Serum Biomarkers of Neurovascular Unit Associated with Cortical Amyloid Deposition. 2021 , 84, 905-914	77 o
	Novel Serum Biomarkers of Neurovascular Unit Associated with Cortical Amyloid Deposition. 2021 ,	
446	Novel Serum Biomarkers of Neurovascular Unit Associated with Cortical Amyloid Deposition. 2021 , 84, 905-914 Connectomics in Brain Aging and Dementia - The Background and Design of a Study of a	0
446	Novel Serum Biomarkers of Neurovascular Unit Associated with Cortical Amyloid Deposition. 2021, 84, 905-914 Connectomics in Brain Aging and Dementia - The Background and Design of a Study of a Connectome Related to Human Disease. 2021, 13, 669490 Inhibition of vascular adhesion protein 1 protects dopamine neurons from the effects of acute	3
446 445 444	Novel Serum Biomarkers of Neurovascular Unit Associated with Cortical Amyloid Deposition. 2021, 84, 905-914 Connectomics in Brain Aging and Dementia - The Background and Design of a Study of a Connectome Related to Human Disease. 2021, 13, 669490 Inhibition of vascular adhesion protein 1 protects dopamine neurons from the effects of acute inflammation and restores habit learning in the striatum. 2021, 18, 233 Cerebral Vasoreactivity Changes Over Time in Patients With Different Clinical Manifestations of	0 3 1
446 445 444 443	Novel Serum Biomarkers of Neurovascular Unit Associated with Cortical Amyloid Deposition. 2021, 84, 905-914 Connectomics in Brain Aging and Dementia - The Background and Design of a Study of a Connectome Related to Human Disease. 2021, 13, 669490 Inhibition of vascular adhesion protein 1 protects dopamine neurons from the effects of acute inflammation and restores habit learning in the striatum. 2021, 18, 233 Cerebral Vasoreactivity Changes Over Time in Patients With Different Clinical Manifestations of Cerebral Small Vessel Disease. 2021, 13, 727832 Bilobalide inhibits inflammation and promotes the expression of Aldegrading enzymes in	0 3 1
446 445 444 443	Novel Serum Biomarkers of Neurovascular Unit Associated with Cortical Amyloid Deposition. 2021, 84, 905-914 Connectomics in Brain Aging and Dementia - The Background and Design of a Study of a Connectome Related to Human Disease. 2021, 13, 669490 Inhibition of vascular adhesion protein 1 protects dopamine neurons from the effects of acute inflammation and restores habit learning in the striatum. 2021, 18, 233 Cerebral Vasoreactivity Changes Over Time in Patients With Different Clinical Manifestations of Cerebral Small Vessel Disease. 2021, 13, 727832 Bilobalide inhibits inflammation and promotes the expression of Aldegrading enzymes in astrocytes to rescue neuronal deficiency in AD models. 2021, 11, 542 Digoxin Ameliorates Glymphatic Transport and Cognitive Impairment in a Mouse Model of Chronic	0 3 1 0

438	Nitric Oxide Pathways in Neurovascular Coupling Under Normal and Stress Conditions in the Brain: Strategies to Rescue Aberrant Coupling and Improve Cerebral Blood Flow. 2021 , 12, 729201	5
437	From Neurodevelopmental to Neurodegenerative Disorders: The Vascular Continuum. 2021, 13, 749026	5
436	Emerging Roles of Microglia in Neuro-vascular Unit: Implications of Microglia-Neurons Interactions. 2021 , 15, 706025	1
435	Cooperation of cell adhesion and autophagy in the brain: Functional roles in development and neurodegenerative disease. 2021 , 12, 100089	1
434	The pericyte: A critical cell in the pathogenesis of CADASIL 2021 , 2, 100031	1
433	Expanding the horizon of research into the pathogenesis of the white matter diseases: Proceedings of the 2021 Annual Workshop of the Albert Research Institute for White Matter and Cognition. 2021 , 1	O
432	Relationship between Cerebrospinal Fluid Matrix Metalloproteinases Levels and Brain Amyloid Deposition in Mild Cognitive Impairment. 2021 , 11,	О
431	F-domain valency determines outcome of signaling through the angiopoietin pathway. 2021 , 22, e53471	4
430	Les dinences vasculaires. 2012 , 196, 409-430	O
429	Pathophysiologie Enzephalopathien Pathophysiologie von Enzephalopathien. 2013 , 129-138	
428	Pharmacogenomics and Personalized Medicine in Alzheimer Disease. 2013, 289-308	1
427	Oxygen Distribution in Cortical Microvasculature Reveals a Novel Mechanism for Maintaining a Safe Tissue Oxygenation. 2014 ,	
427 426		
	Tissue Oxygenation. 2014,	
426	Tissue Oxygenation. 2014, BloodBrain Barrier. 2014, 434-440	
426 425	Tissue Oxygenation. 2014, BloodBrain Barrier. 2014, 434-440 Linking Molecular Neurobiology to Therapeutic Approaches for Alzheimer Disease with PET. 2014, 451-478	
426 425 424	Tissue Oxygenation. 2014, BloodBrain Barrier. 2014, 434-440 Linking Molecular Neurobiology to Therapeutic Approaches for Alzheimer Disease with PET. 2014, 451-478 Alzheimer Disease. 2015, 223-261	

420	Why should we focus on pericyte?Importance of pericyte in pathophysiology of ischemic stroke□ 2016 , 27, 271-275	
419	Diet, Epigenetics, and Alzheimer∄ Disease. 2017 , 1-17	
418	Can Exposure to Volatile Anesthetics Be a Tipping Point for AD Susceptible Populations?. 2017 , 1, 007-012	
417	Promising role of Carob (Ceratonia siliqua L) phytochemical components against neurotoxicity induced by monosodium glutamate. 2017 , 2, 024-032	2
416	Functions and Dysfunctions of Neuroplastin65 in the Nervous System. 2017, 3,	
415	A histone acetylome-wide association study of Alzheimer disease: neuropathology-associated regulatory variation in the human entorhinal cortex.	1
414	Early-Onset Alzheimer Disease and Metabolic Dysfunction, a Comparative Review. 2018, 07, 1-11	1
413	Human pluripotent stem cell-derived brain pericyte-like cells induce blood-brain barrier properties.	
412	Homogenization of capillary flow and oxygenation in deeper cortical layers correlates with increased oxygen extraction.	
411	Vascular physiology drives functional brain networks.	3
411	Vascular physiology drives functional brain networks. Relationship of Cancer to Brain Aging Markers of Alzheimer's Disease: The Framingham Heart Study. 2019 , 1,	3
	Relationship of Cancer to Brain Aging Markers of Alzheimer's Disease: The Framingham Heart	3
410	Relationship of Cancer to Brain Aging Markers of Alzheimer's Disease: The Framingham Heart Study. 2019 , 1,	3 0
410	Relationship of Cancer to Brain Aging Markers of Alzheimer's Disease: The Framingham Heart Study. 2019 , 1, Nanotechnology at the Rescue of Neurodegenerative Diseases: Tools for Early Diagnostic. 2019 , 19-48 [The role of arterial, venous blood and cerebrospinal fluid flow disturbances in forming cognitive	
410	Relationship of Cancer to Brain Aging Markers of Alzheimer's Disease: The Framingham Heart Study. 2019, 1, Nanotechnology at the Rescue of Neurodegenerative Diseases: Tools for Early Diagnostic. 2019, 19-48 [The role of arterial, venous blood and cerebrospinal fluid flow disturbances in forming cognitive impairment types in age-related cerebral microangiophathy]. 2019, 119, 81-88	
410 409 408 407	Relationship of Cancer to Brain Aging Markers of Alzheimer's Disease: The Framingham Heart Study. 2019, 1, Nanotechnology at the Rescue of Neurodegenerative Diseases: Tools for Early Diagnostic. 2019, 19-48 [The role of arterial, venous blood and cerebrospinal fluid flow disturbances in forming cognitive impairment types in age-related cerebral microangiophathy]. 2019, 119, 81-88 Functional ultrasound speckle decorrelation-based velocimetry of the brain.	O
410 409 408 407 406	Relationship of Cancer to Brain Aging Markers of Alzheimer's Disease: The Framingham Heart Study. 2019, 1, Nanotechnology at the Rescue of Neurodegenerative Diseases: Tools for Early Diagnostic. 2019, 19-48 [The role of arterial, venous blood and cerebrospinal fluid flow disturbances in forming cognitive impairment types in age-related cerebral microangiophathy]. 2019, 119, 81-88 Functional ultrasound speckle decorrelation-based velocimetry of the brain. Arterial hypertension and Alzheimer® disease. Prologue to neurodegeneration. 2019, 25, 122-133 TRA2A-induced upregulation of LINC00662 regulates blood-brain barrier permeability by affecting	0

402	Multi-Parametric Profiling of Endothelial Cell Networks Reveals Functional Role of Glutamate Receptors in Angiogenesis.	
401	Recycling old drugs: cardiac glycosides as therapeutics to target barrier inflammation of the vasculature, meninges and choroid plexus.	
400	Association of gut microbiota with cerebral cortex and cerebrovascular abnormality in human mild traumatic brain injury.	O
399	Assessment of Neurovascular Coupling & Cortical Spreading Depression in Mixed Models of Atherosclerosis & Alzheimer Disease.	O
398	Blood Pressure and T-Tau in Spinal Fluid Are Associated With Delayed Recall in Participants With Memory Complaints and Dementia of the Alzheimer's Type. 2021 , 13, 652510	1
397	Age-related immune alterations and cerebrovascular inflammation. 2021,	4
396	Removal of blood amyloid-las an effective and safe therapeutic strategy for Alzheimer's disease. 2020 , 647-662	
395	The Role of P-Glycoprotein at the Blood $m{B}$ rain Barrier in Neurological and Psychiatric Disease. $m{2021}$, 45-81	
394	Characterisation of microvessel blood velocity and segment length in the brain using multi-diffusion-time diffusion-weighted MRI. 2021 , 41, 1939-1953	1
393	Modeling the Blood B rain Barrier to Understand Drug Delivery in Alzheimer∃ Disease. 117-134	1
392	Preliminary Study of Subclinical Brain Alterations in Patients With Asymptomatic Carotid Vulnerable Plaques Using Intravoxel Incoherent Motion Imaging by Voxelwise Comparison: A Study of Whole-Brain Imaging Measures. 2020 , 14, 562830	
391	Toward an integrative understanding of the neuroinflammatory molecular milieu in Alzheimer disease neurodegeneration. 2020 , 163-176	
390	The Blood-Brain Barrier in Alzheimer's Disease. 2021 , 1	O
389	Measurement of Endothelial Barrier Function in Mouse Models of Cerebral Cavernous Malformations Using Intravital Microscopy. 2020 , 2152, 387-400	
388	Neurovascular Function in a Novel Model of Experimental Atherosclerosis.	
387	Neuroinflammation in Alzheimer's disease continuum. 2020 , 37, 155	1
386	Molecular Aspects of Hippocampal Aging. 2020 , 43-63	
385	The role of blood pressure and hypertension in dementia. 2020 , 111-126	

384	Vascular burden is associated with a decline in default-mode and global resting-state functional connectivity in individuals at risk for Alzheimer disease.	
383	Early-life stress facilitates the development of Alzheimer disease pathology via angiopathy.	
382	Evolutive immunologic and toxicologic approach in some neuroinflammatory and degenerative disease like SM, DA, PD: Imaging and Brain Wasting System clearance efficacy. 2020 , 4, 005-013	
381	Multiple Causes of Dementia as Engineered Senescence. 2020 , 2,	
380	Mild repetitive head impacts alter perivascular flow in the midbrain dopaminergic system in awake rats. 2021 , 3, fcab265	2
379	Lipids as early and minimally invasive biomarkers for Alzheimer disease. 2021,	O
378	Cortical atrophy mediates the accumulating effects of vascular risk factors on cognitive decline in the Alzheimer's disease spectrum. 2020 , 12, 15058-15076	O
377	Neurovascular coupling is not influenced by lower body negative pressure in humans. 2020 , 319, H22-H31	1
376	Polyphenols as Potential Therapeutic Drugs in Neurodegeneration.	О
375	Endothelial iron homeostasis regulates BBB integrity via the HIF2#Ve-cadherin pathway.	
374	Reduction of neuronal activity mediated by blood-vessel regression in the brain.	2
373	PET Imaging of ABC Transporters at the Blood-Brain Barrier. 2021 , 809-850	O
372	Liposomes as Brain Targeted Delivery Systems. 2021 , 29-59	3
371	Regulation of Proinflammatory Activation of Cells RBL-2H3 by Activated Protein C and PAR1 Agonist Peptide. 2020 , 14, 279-288	
370	Metabolic Dysfunction of Astrocyte: An Initiating Factor in Beta-amyloid Pathology?. 2013, 1, 7-14	19
369	Vascular factors in neurodegenerative diseases: a path towards treatment and prevention. 2014 , 29, 85-6	4
368	Vascular risk factors and clinical progression in spinocerebellar ataxias. 2015 , 5, 287	5
367	Impaired Cerebral Autoregulation-A Common Neurovascular Pathway in Diabetes may Play a Critical Role in Diabetes-Related Alzheimer's Disease. 2017 , 2,	14

366	Alcohol, inflammation, and blood-brain barrier function in health and disease across development. 2022 , 161, 209-249	3
365	The blood-brain barrier models to study apolipoprotein E genotypes in Alzheimer's disease 2022 , 17, 1973-1974	O
364	Imaging of Glymphatic Flow and Neurodegeneration. 2022, 849-860	
363	Efficacy of Probucol on cognitive function in Alzheimer disease: Study protocol for a double-blind, placebo-controlled, randomised phase II trial (PIA Study).	
362	Dynamic 3D On-Chip BBB Model Design, Development, and Applications in Neurological Diseases. 2021 , 10,	5
361	A comprehensive review on RAGE-facilitated pathological pathways connecting Alzheimer disease, diabetes mellitus, and cardiovascular diseases. 2021 , 33,	0
360	Engagement of vascular early response genes typifies mild cognitive impairment. 2021,	1
359	The Selective Loss of Purkinje Cells Induces Specific Peripheral Immune Alterations 2021 , 15, 773696	O
358	Common pathways in dementia and diabetic retinopathy: understanding the mechanisms of diabetes-related cognitive decline. 2021 ,	5
357	Neurovascular Reactivity in the Aging Mouse Brain Assessed by Laser Speckle Contrast Imaging and 2-Photon Microscopy: Quantification by an Investigator-Independent Analysis Tool. 2021 , 12, 745770	2
356	3D convolutional neural networks for stalled brain capillary detection 2021, 141, 105089	4
355	Role of the Extracellular Traps in Central Nervous System. 2021 , 12, 783882	2
354	Dementia in Southeast Asia: influence of onset-type, education, and cerebrovascular disease. 2021 , 13, 195	0
353	Cerebral blood flow predicts multiple demand network activity and fluid intelligence across the lifespan.	1
352	Plasma amyloid beta, neurofilament light chain, and total tau in the Systolic Blood Pressure Intervention Trial (SPRINT). 2021 ,	O
351	Reproducibility of cerebrovascular reactivity measurements: A systematic review of neuroimaging techniques. 2021 , 271678X211056702	1
350	Arterial spin labeling demonstrates preserved regional cerebral blood flow in the P301L mouse model of tauopathy. 2021 , 271678X211062274	3
349	Neuroprotective potential of flavonoid rich Ascophyllum nodosum (FRAN) fraction from the brown seaweed on an Alınduced Alzheimer's model of Drosophila 2021 , 95, 153872	2

348	Drug delivery to the central nervous system.	8
347	Development of Lipid Nanoparticles for the Delivery of Macromolecules Based on the Molecular Design of pH-Sensitive Cationic Lipids. 2021 , 69, 1141-1159	2
346	Vascular risk is not associated with PET measures of Alzheimer's disease neuropathology among cognitively normal older adults 2021 , 1, 100068-100068	1
345	Cerebrovascular stiffness and flow dynamics in the presence of amyloid and tau biomarkers 2021 , 13, e12253	
344	Altered Blood Oxygenation Level Dependent (BOLD) Cerebrovascular Reactivity in Multiple Sclerosis: Evidence for Restoration with Immunomodulation.	
343	Generation of Vascularized Brain Organoids to Study Neurovascular Interactions.	
342	Saikosaponin-D Mitigates Oxidation in SH-SY5Y Cells Stimulated by Glutamate Through Activation of Nrf2 Pathway: Involvement of PI3K 2022 , 40, 230-240	2
341	Assessment of neurovascular coupling and cortical spreading depression in mixed mouse models of atherosclerosis and Alzheimer's disease 2022 , 11,	O
340	Impacts of oxidants and antioxidants on the emergence and progression of Alzheimer's disease 2021 , 105268	2
339	The molecular mechanism, targets, and novel molecules in the treatment of Alzheimer's disease 2021 , 119, 105562	4
338	Bioenergetic Impairment in the Neuro-Glia-Vascular Unit: An Emerging Physiopathology during Aging. 2021 , 12, 2080-2095	1
337	Principal component analysis to identify the major contributors to task-activated neurovascular responses. 2022 , 3, 100039	
336	Fighting fire with fire: the immune system might be key in our fight against Alzheimer's disease 2022 ,	1
335	Overview of Polyamines as Nutrients for Human Healthy Long Life and Effect of Increased Polyamine Intake on DNA Methylation 2022 , 11,	1
334	Recent Advances in RNA Therapy and Its Carriers to Treat the Single-Gene Neurological Disorders 2022 , 10,	0
333	Specificity of Adaptive Immune Responses in Central Nervous System Health, Aging and Diseases 2021 , 15, 806260	3
332	Interplay of Ferritin Accumulation and Ferroportin Loss in Ageing Brain: Implication for Protein Aggregation in Down Syndrome Dementia, Alzheimer's, and Parkinson's Diseases 2022 , 23,	3
331	GLUT3 inhibitor discovery through in silico ligand screening and in vivo validation in eukaryotic expression systems 2022 , 12, 1429	1

330	Chronic effects of blast injury on the microvasculature in a transgenic mouse model of Alzheimer's disease related Alamyloidosis 2022 , 19, 5	О
329	Gadolinium: pharmacokinetics and toxicity in humans and laboratory animals following contrast agent administration 2022 , 96, 403	2
328	Multifocal Cerebral Microinfarcts Modulate Early Alzheimer's Disease Pathology in a Sex-Dependent Manner 2021 , 12, 813536	О
327	Ihmunity, Vascular Aging, and Stroke 2022,	1
326	Prevalence of Specific Multimorbidity Combinations and Association with Medical Expenditures and Perceived Health among U.S. Adults, 2016-2019.	
325	Assessment of microvascular rarefaction in human brain disorders using physiological magnetic resonance imaging 2022 , 271678X221076557	O
324	Heterochronic parabiosis reprograms the mouse brain transcriptome by shifting aging signatures in multiple cell types.	1
323	Construction and imaging of a neurovascular unit model 2022 , 17, 1685-1694	2
322	Endothelial Progenitor Cells and Vascular Alterations in Alzheimer's Disease 2021 , 13, 811210	2
321	Poor Sleep Quality Associated With Enlarged Perivascular Spaces in Patients With Lacunar Stroke 2021 , 12, 809217	O
320	Cerebral microinfarct is emergency consequence of Alzheimer's disease: a new insight into development of neurodegenerative diseases 2022 , 18, 1569-1579	O
319	Remote Ischemic Conditioning: A Potential Treatment for Chronic Cerebral Hypoperfusion 2022, 1-7	O
318	Brain H /CO sensing and control by glial cells 2022,	1
317	Selective vulnerability of medial temporal regions to short-term blood pressure variability and cerebral hypoperfusion in older adults. 2022 , 2, 100080	O
316	Relation of middle cerebral artery flow velocity and risk of cognitive decline: A prospective community-based study 2022 , 97, 56-61	О
315	Dementia in Diabetes mellitus and Atherosclerosis; Two Interrelated Systemic Diseases 2022 , 181, 87-87	
314	Blood-Brain Barrier Transporters: Opportunities for Therapeutic Development in Ischemic Stroke 2022 , 23,	2
313	Brain single-nucleus transcriptomics highlights that polystyrene nanoplastics potentially induce Parkinson Disease-like neurodegeneration by causing energy metabolism disorders in mice. 2022 , 128459	1

312	Prostacyclin Promotes Degenerative Pathology in a Model of Alzheimer's Disease 2022, 16, 769347	О
311	Effects of white matter hyperintensities distribution and clustering on late-life cognitive impairment 2022 , 12, 1955	O
310	Stage-Dependent Cerebral Blood Flow and Leukoaraiosis Couplings in Subcortical Ischemic Vascular Disease and Alzheimer's Disease 2022 ,	0
309	White Matter Free Water Outperforms Cerebral Small Vessel Disease Total Score in Predicting Cognitive Decline in Persons with Mild Cognitive Impairment 2022 ,	
308	Single-cell multi-region dissection of brain vasculature in Alzheimer⊠ Disease.	O
307	Murine Beta-Amyloid (1-42) Oligomers Disrupt Endothelial Barrier Integrity and VEGFR Signaling via Activating Astrocytes to Release Deleterious Soluble Factors 2022 , 23,	1
306	Visit-to-Visit Blood Pressure Variability and Longitudinal Tau Accumulation in Older Adults 2021 , HYPEF	RTENSIONAHA1
305	Network-driven anomalous transport is a fundamental component of brain microvascular dysfunction 2021 , 12, 7295	4
304	Anodal transcranial direct current stimulation alleviates cognitive impairment in an APP/PS1 model of Alzheimer's disease in the preclinical stage 2022 , 17, 2278-2285	0
303	Moyamoya disease: A human model for chronic hypoperfusion and intervention in Alzheimer's disease 2022 , 8, e12285	
302	Role of Antioxidant Nutraceuticals in Neurodegenerative Diseases. 2022, 281-300	
301	Capillary function progressively deteriorates in prodromal Alzheimer disease: A longitudinal MRI perfusion study. 2022 , 2, 100035	O
300	Near-Lifespan Tracking of Cerebral Microvascular Degeneration in Aging to Alzheimer's Continuum 2022 , 4,	
299	Improving mouse models for the study of Alzheimer's disease 2022 , 148, 79-113	
298	The Viability of Treatment Conditioned to the Pathophysiology of Alzheimer Disease. 2022, 31-52	
297	The pathogenic effects of particulate matter on neurodegeneration: a review 2022 , 29, 15	3
296	Nanoparticles as Powerful Tools for Crossing the Blood-Brain Barrier 2022,	2
295	Alzheimer's Disease Seen through the Eye: Ocular Alterations and Neurodegeneration 2022 , 23,	2

294	Blood Biomarkers in Brain Injury Medicine 2022 , 2022, 1	1
293	Development of cognition decline in non-acute symptomatic patients with cerebral small vessel disease: Non-Acute Symptomatic Cerebral Ischemia Registration study (NASCIR)-rationale and protocol for a prospective multicentre observational study 2022 , 12, e050294	O
292	Efficacy of probucol on cognitive function in Alzheimer's disease: study protocol for a double-blind, placebo-controlled, randomised phase II trial (PIA study) 2022 , 12, e058826	Ο
291	Transcriptomic Analysis of Rat Cerebral Cortex Reveals the Potential Mechanism of Electroacupuncture Opening Blood Brain Barrier 2022 , 16, 834683	O
290	Brain and Retinal Organoids for Disease Modeling: The Importance of In Vitro Blood-Brain and Retinal Barriers Studies 2022 , 11,	0
289	Longitudinal analysis of the retina and choroid in cognitively normal individuals at higher genetic risk for Alzheimer disease 2022 ,	1
288	Small Vessel Disease: Ancient Description, Novel Biomarkers 2022 , 23,	2
287	Neuroimaging within the Dominantly Inherited Alzheimer Network (DIAN): PET and MRI.	1
286	Increased Susceptibility to Cerebral Microhemorrhages Is Associated With Imaging Signs of Microvascular Degeneration in the Retina in an Insulin-Like Growth Factor 1 Deficient Mouse Model of Accelerated Aging 2022 , 14, 788296	О
285	Inclusion of people with dementia in oral health research. 2022 , 35, 24-26	
284	Recent advances in Bio-conjugated nanocarriers for crossing the Blood-Brain Barrier in (pre-)clinical studies with an emphasis on vesicles 2022 ,	5
283	Dementia Risk and Dynamic Response to Exercise: A non-randomized clinical trial.	
282	Increased fatty acid metabolism and decreased glycolysis are hallmarks of metabolic reprogramming in the brain during recovery from experimental stroke.	1
281	Neurofilament light chain and retinal layers' determinants and association: A population-based study 2022 ,	1
280	Cerebral blood flow in bipolar disorder. 2022 , 106-128	
279	Altered Cerebral Blood Flow in Older Adults with Alzheimer Disease: A Systematic Review.	O
278	Dynamics of brain-fluid circulation are altered in the mature-onset Tet-off APP mouse model of amyloidosis.	
277	Addressing Blood-Brain Barrier Impairment in Alzheimer's Disease 2022 , 10,	1

276	Non-coding RNAs in the regulation of blood-brain barrier functions in central nervous system disorders 2022 , 19, 27	1
275	Oleuropein-Rich Olive Leaf Extract Attenuates Neuroinflammation in the Alzheimer's Disease Mouse Model 2022 ,	2
274	Decreased CSF clearance and increased brain amyloid in Alzheimer's disease 2022 , 19, 21	4
273	Brain Metabolic Alterations in Alzheimer's Disease 2022 , 23,	1
272	Characterisation of PDGF-BB:PDGFRIsignalling pathways in human brain pericytes: evidence of disruption in Alzheimer's disease 2022 , 5, 235	0
271	The impairment of the hippocampal neuro-vascular unit precedes changes in spatial cognition in naturally aged rats 2022 , 136580	
270	Alcohol-Induced Alterations in the Vascular Basement Membrane in the of the Adult Human Brain 2022 , 10,	
269	Advances in studying whole mouse brain vasculature using high-resolution 3D light microscopy imaging 2022 , 9, 021902	
268	Gut Microbiome Signatures Are Predictive of Cognitive Impairment in Hypertension Patients-A Cohort Study 2022 , 13, 841614	1
267	Effects of transcranial ultrasound stimulation pulsed at 40 Hz on Alplaques and brain rhythms in 5BAD mice. 2021 , 10, 48	3
266	Ocular Vascular Changes: Choroidal Thickness as an Early Biomarker for Alzheimer's Disease?. 2021 , 11,	
265	Single Nuclei Transcriptome Reveals Perturbed Brain Vascular Molecules in Alzheimer Disease.	1
264	A Leaky Blood-Brain Barrier to Fibrinogen Contributes to Oxidative Damage in Alzheimer's Disease 2021 , 11,	1
263	Impaired Folate-Mediated One-Carbon Metabolism in Type 2 Diabetes, Late-Onset Alzheimer's Disease and Long COVID 2021 , 58,	3
262	The effects of locomotion on sensory-evoked haemodynamic responses in the cortex of awake mice.	
261	Basal lamina changes in neurodegenerative disorders. 2021 , 16, 81	2
260	A Critical Review and Meta-Analysis of Impacts of Per- and Polyfluorinated Substances on the Brain and Behavior 2022 , 4, 881584	3
259	Peripheral Pathways to Neurovascular Unit Dysfunction, Cognitive Impairment, and Alzheimer's Disease 2022 , 14, 858429	O

258	The blood-brain barrier and the neurovascular unit in subarachnoid hemorrhage: molecular events and potential treatments 2022 , 19, 29	3
257	Post-Stroke Cognitive Impairment and Dementia 2022, 130, 1252-1271	9
256	The effects of locomotion on sensory-evoked haemodynamic responses in the cortex of awake mice 2022 , 12, 6236	О
255	Lipocalin-2 and Cerebral Stroke 2022 , 15, 850849	1
254	Altered peripheral factors affecting the absorption, distribution, metabolism, and excretion of oral medicines in Alzheimer's disease 2022 , 114282	1
253	Visit-to-Visit Blood Pressure Variability and CSF Alzheimer Disease Biomarkers in Cognitively Unimpaired and Mildly Impaired Older Adults 2022 ,	1
252	Bidirectional alterations in brain temperature profoundly modulate spatiotemporal neurovascular responses in-vivo: Implications for theragnostics.	
251	Transcranial Direct Current Stimulation Alleviates Neurovascular Unit Dysfunction in Mice With Preclinical Alzheimer's Disease 2022 , 14, 857415	O
250	image_1.tif. 2018 ,	
249	DataSheet_1.docx. 2019 ,	
248	Table_1.xlsx. 2019 ,	
247	Table_2.xlsx. 2019 ,	
246	Data_Sheet_1.docx. 2020 ,	
245	Table_1.DOCX. 2019 ,	
244	Data_Sheet_1.docx. 2019 ,	
243	Image_1.JPEG. 2019 ,	
242	Image_2.JPEG. 2019 ,	
241	Data_Sheet_1.docx. 2020 ,	

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Presentation_1.PPTX. 2020, 240 Presentation_1.pdf. 2019, 239 Table_1.DOCX. 2020, 238 Data_Sheet_1.docx. 2018, 237 Table_1.DOC. 2020, 236 Data_Sheet_1.pdf. 2020, 235 Image_1.TIFF. 2020, 234 Image_2.TIFF. 2020, 233 Image_3.TIFF. 2020, 232 Image_4.TIFF. 2020, 231 Table_1.XLSX. **2020**, 230 Table_2.XLSX. 2020, 229 228 Table_1.DOC. 2019, Data_Sheet_1.pdf. 2020, 227 Trajectories of Cognitive Decline in Brain Donors With Autopsy-Confirmed Alzheimer Disease and 226 3 Cerebrovascular Disease.. 2022, Claudin-5 relieves cognitive decline in Alzheimer's disease mice through suppression of inhibitory 225 GABAergic neurotransmission.. 2022, 14, TOR-dependent cerebrovascular aging in Alzheimer's disease.. 2014, 8, 31-38 224 Regional changes with global brain hypometabolism indicates a physiological triage phenomenon and can explain shared pathophysiological events in Alzheimer's & small vessel diseases and 223 delirium.. 2021, 11, 492-506

222	Retinal Biomarkers for Alzheimer Disease: The Facts and the Future 2022, 11, 140-148	2
221	Vascular Health Is Associated With Functional Connectivity Decline in Higher-Order Networks of Older Adults 2022 , 16, 847824	
220	Transferrin decorated-nanostructured lipid carriers (NLCs) are a promising delivery system for rapamycin in Alzheimer's disease: An in vivo study. 2022 , 212827	
219	Bioinformatics Analysis of Publicly Available Single-Nuclei Transcriptomics Alzheimer's Disease Datasets Reveals Genotype-Specific Changes Across Cell Types in Two Brain Regions 2022 , 14, 749991	O
218	Aquaporin 4 is differentially increased and depolarized in association with tau and amyloid-beta.	O
217	Selenium Heals the Chlorpyrifos-Induced Oxidative Damage and Antioxidant Enzyme Levels in the Rat Tissues 2022 , 1	
216	Generation of vascularized brain organoids to study neurovascular interactions 2022, 11,	5
215	Recent Advances Towards Diagnosis and Therapeutic Fingerprinting for Alzheimer's Disease 2022 , 1	1
214	Mechanisms of hypoxia in the hippocampal CA3 region in postoperative cognitive dysfunction after cardiopulmonary bypass 2022 , 17, 106	O
213	Exploring the Therapeutic Potential of Phytochemicals in Alzheimer Disease: Focus on Polyphenols and Monoterpenes. 2022 , 13,	1
212	The cross-sectional and longitudinal relationship of diabetic retinopathy to cognitive impairment: a systematic review and meta-analysis 2022 ,	
211	Cerebral small vessel disease alters neurovascular unit regulation of microcirculation integrity involved in vascular cognitive impairment 2022 , 105750	1
210	Neurovascular coupling mechanisms in health and neurovascular uncoupling in Alzheimer's disease 2022 ,	O
209	Disease Influence on BBB Transport in Neurodegeneration. 2022 , 657-698	
208	Association between Cerebral Small Vessel and Alzheimer Disease. 2022, 83, 486	
207	Cerebral hemorrhages in traumatic brain injury. 2022 , 87-99	
206	Molecular docking and molecular dynamics approach to identify potential compounds in Huperzia squarrosa for treating Alzheimer disease. 2022 ,	
205	The Molecular Mechanisms of Ferroptosis and Its Role in Blood-Brain Barrier Dysfunction. 16,	1

204	Intraoperative Hypothermia Induces Vascular Dysfunction in the CA1 Region of Rat Hippocampus. 2022 , 12, 692	0
203	Targeting Necroptosis as a Promising Therapy for Alzheimer⊠ Disease.	3
202	Blood B rain barrier: emerging trends on transport models and new-age strategies for therapeutics intervention against neurological disorders. 2022 , 15,	2
201	Multi-perspective label based deep learning framework for cerebral vasculature segmentation in whole-brain fluorescence images. 2022 , 13, 3657	
200	Gut Microbes Regulate Innate Immunity and Epilepsy. 2022 , 16,	1
199	Effects of Interventions on Cerebral Perfusion in the Alzheimer's Disease Spectrum: A Systematic Review. 2022 , 101661	1
198	N-terminally truncated A個-x proteoforms and their relevance for Alzheimer固 pathophysiology. 2022 , 11,	О
197	The Case for Symptom-Specific Neurological Digital Biomarkers. 2022 , 235-255	
196	GLP-1-Receptor Agonists in Neurodegeneration: Neurovascular Unit in the Spotlight. 2022, 11, 2023	3
195	In Alzheimer's disease, amyloid beta accumulation is a protective mechanism that ultimately fails.	1
194	Insights into Cerebral Amyloid Angiopathy Type 1 and Type 2 from Comparisons of the Fibrillar Assembly and Stability of the A월0-Iowa and A월0-Dutch Peptides. 2022 , 61, 1181-1198	1
193	Modulating insulin signaling and trafficking at the blood-brain barrier endothelium using lipid based nanoemulsions. 2022 , 622, 121823	
192	Association of Aortic Stiffness and Pressure Pulsatility With Global Amyloid-land Regional Tau Burden Among Framingham Heart Study Participants Without Dementia.	2
191	Clinical, Radiological and Pathological Characteristics Between Cerebral Small Vessel Disease and Multiple Sclerosis: A Review. 13,	O
190	Historical and current perspectives on blood endothelial cell heterogeneity in the brain. 2022, 79,	1
189	Increased regional white matter hyperin tensity volume in objectively-defined subtle cognitive decline and mild cognitive impairment. 2022 ,	O
188	Study of BBB Dysregulation in Neuropathogenicity Using Integrative Human Model of Blood ${f B}$ rain Barrier. 16,	О
187	Partial Endothelial Nitric Oxide Synthase Deficiency Exacerbates Cognitive Deficit and Amyloid Pathology in the APPswe/PS1 E 9 Mouse Model of Alzheimer Disease. 2022 , 23, 7316	O

186	Neurovascular Dysfunction in Diverse Communities With Health DisparitiesContributions to Dementia and Alzheimer Disease. 16,	O
185	Differential Expression and Correlation Analysis of Global Transcriptome for Hemorrhagic Transformation After Acute Ischemic Stroke. 16,	О
184	Profiling the neurovascular unit unveils detrimental effects of osteopontin on the bloodBrain barrier in acute ischemic stroke. 2022 , 144, 305-337	3
183	Protective effects of omega-3 fatty acids in a bloodBrain barrier-on-chip model and on postoperative delirium-like behaviour in mice. 2022 ,	o
182	An IL1RL1 genetic variant lowers soluble ST2 levels and the risk effects of APOE- A in female patients with Alzheimer B disease.	1
181	Age-dependent cognitive impairment, hydrocephalus and leukocyte infiltration in transgenic mice with endothelial expression of human EPHX2. 2022 , 8,	1
180	Unveiling Leukocyte Extracellular Traps in Inflammatory Responses of the Central Nervous System. 13,	
179	The Key Role of Magnetic Resonance Imaging in the Detection of Neurodegenerative Diseases-Associated Biomarkers: A Review.	
178	Vascular Endothelial Growth Factor Receptor-1 Modulates Hypoxia-Mediated Endothelial Senescence and Cellular Membrane Stiffness via YAP-1 Pathways. 10,	0
177	Optical molecular imaging and theranostics in neurological diseases based on aggregation-induced emission luminogens.	1
176	The Use of Digital Technology to Assess Cognitive Function in Tunisian Adults. 2022, 1-8	0
175	Blood circulating miR-28-5p and let-7d-5p associate with premature ageing in Down syndrome. 2022 , 206, 111691	o
174	Cognitive and neuroimaging correlates of financial exploitation vulnerability in older adults without dementia: Implications for early detection of Alzheimer disease. 2022 , 140, 104773	0
173	Potential Diagnostic Applications of Multi-Delay Arterial Spin Labeling in Early Alzheimer Disease: The Chinese Imaging, Biomarkers, and Lifestyle Study. 16,	o
172	Longitudinal Intraindividual Cognitive Variability Is Associated With Reduction in Regional Cerebral Blood Flow Among Alzheimer Disease Biomarker-Positive Older Adults. 14,	1
171	A functional connectome signature of blood pressure in >30 000 participants from the UK biobank.	
170	Tau mediates synergistic influence of vascular risk and Albn cognitive decline.	
169	Brain Energy Metabolism in Ischemic Stroke: Effects of Smoking and Diabetes. 2022 , 23, 8512	1

168	The Role of Blood B rain Barrier Dysfunction in Mild Cognitive Impairment: a Scientometric and Visualization Analysis from 2000 to 2021. 2022 , 72, 1977-1989	
167	FDA-approved carbonic anhydrase inhibitors reduce Amyloid [pathology and improve cognition, by ameliorating cerebrovascular health and glial fitness.	
166	Exploring links between 2-oxoglutarate-dependent oxygenases and Alzheimer's disease.	
165	Age-dependent effects of gut microbiota metabolites on brain resident macrophages. 16,	O
164	Therapeutic roles of plants for 15 hypothesised causal bases of Alzheimer disease. 2022, 12,	0
163	Physical activity in leisure time and at work and risk of dementia: A prospective cohort study of 117,616 individuals. 2022 ,	O
162	Current progress of cerebral organoids for modeling Alzheimer's disease origins and mechanisms.	
161	When the infectious environment meets the AD brain. 2022 , 17,	O
160	Lithium Benzoate Exerts Neuroprotective Effect by Improving Mitochondrial Function, Attenuating Reactive Oxygen Species, and Protecting Cognition and Memory in an Animal Model of Alzheimer Disease. 1-19	
159	Peripheral apoE4 enhances Alzheimer pathology and impairs cognition by compromising cerebrovascular function. 2022 , 25, 1020-1033	1
158	Altered dynamics of glymphatic flow in a mature-onset Tet-off APP mouse model of amyloidosis.	
157	Contribution of blood-brain barrier-related blood-borne factors for Alzheimer disease vs. vascular dementia diagnosis: A pilot study. 16,	1
156	Signature Effects of Vector-Guided Systemic Nano Bioconjugate Delivery Across Blood-Brain Barrier of Normal, Alzheimer, and Tumor Mouse Models. 2022 , 16, 11815-11832	1
155	Single-Cell Transcriptional Profiling and Gene Regulatory Network Modeling in Tg2576 Mice Reveal Gender-Dependent Molecular Features Preceding Alzheimer-Like Pathologies.	
154	Accelerated aging-related transcriptome alterations in neurovascular unit cells in the brain of Alzheimer disease. 14,	1
153	Tanshinone IIA regulates expression of glucose transporter´1 via activation of the HIF-1묩ignaling pathway. 2022 , 26,	o
152	The Impairment of Blood-Brain Barrier in Alzheimer Disease: Challenges and Opportunities with Stem Cells. 2022 , 23, 10136	1
151	Structural dynamics and catalytic modulations of Alregulating enzymes as future outlook for Alzheimer's. 2022 , 631, 1-8	0

150	The role of LRP1 in Alæfflux transport across the blood-brain barrier and cognitive dysfunction in diabetes mellitus. 2022 , 160, 105417	O
149	Blood B rain barrier (BBB)-on-a-chip: a promising breakthrough in brain disease research. 2022 , 22, 3579-3602	1
148	The Fly Blood-Brain Barrier Fights Against Nutritional Stress. 2022 , 17, 263310552211202	О
147	Discerning the Role of Blood Brain Barrier Dysfunction in Alzheimer Disease. 2022, 13, 1391	О
146	Based on molecular structures: Amyloid-Igeneration, clearance, toxicity and therapeutic strategies. 15,	2
145	Cerebral blood flow, amyloid burden, and cognition in cognitively normal individuals.	O
144	Amyloid and Tau Pathology are Associated with Cerebral Blood Flow in Nondemented Older Adults with and without Vascular Risk Factors for Alzheimer Disease.	0
143	Cerebral blood flow predicts multiple demand network activity and fluid intelligence across the adult lifespan. 2022 ,	1
142	Dissecting genetic links between Alzheimer disease and type 2 diabetes mellitus in a systems biology way. 13,	O
141	Elevated Cerebrospinal Fluid Proteins and Albumin Determine a Poor Prognosis for Spinal Amyotrophic Lateral Sclerosis. 2022 , 23, 11063	O
140	Introduction of a pharmacological neurovascular uncoupling model in rats based on results of mice. 2022 ,	Ο
139	Microvasculopathy in SMA is driven by a reversible autonomous endothelial cell defect.	O
138	Dual role of brain endothelial Gpr126 in blood-brain barrier development and ischemic stroke.	О
137	Therapeutic approaches of nutraceuticals in the prevention of Alzheimer's disease.	1
136	Perivascular macrophages in the CNS : From health to neurovascular diseases.	2
135	Macular Microvascular Density as a Diagnostic Biomarker for Alzheimer∃ Disease. 2022 , 1-11	О
134	The Role of Extracellular Matrix in Human Neurodegenerative Diseases. 2022 , 23, 11085	2
133	Gliovascular alterations in sporadic and familial Alzheimer's disease: APOE3 Christchurch homozygote glioprotection.	O

132	Microfluidics-assisted blood B rain barrier device: a powerful tool to study perioperative neurocognitive disorder. 2022 ,	0
131	Older adults with higher blood pressure variability exhibit cerebrovascular reactivity deficits.	О
130	Pericytes control vascular stability and auditory spiral ganglion neuron survival.	О
129	Alzheimer disease related single nucleotide polymorphisms and correlation with intracerebral hemorrhage incidence. 2022 , 101, e30782	0
128	Increased Type I interferon signaling and brain endothelial barrier dysfunction in an experimental model of Alzheimer disease. 2022 , 12,	О
127	Altered CD8+ T cell associated aging gene signature in the peripheral blood of patients with Alzheimer disease []	O
126	Mesenchymal stromal cells for the treatment of Alzheimer disease: Strategies and limitations. 15,	1
125	Glial functions in the blood-brain communication at the circumventricular organs. 16,	О
124	Altered glucose metabolism in Alzheimer's disease: Role of mitochondrial dysfunction and oxidative stress. 2022 ,	3
123	Soluble LRP-1 in Parkinson disease: clues for paradoxical effects. 1-12	O
123	Soluble LRP-1 in Parkinson disease: clues for paradoxical effects. 1-12 Dynamic contrast enhanced MRI for characterization of blood-brain-barrier dysfunction after traumatic brain injury. 2022, 36, 103236	0
	Dynamic contrast enhanced MRI for characterization of blood-brain-barrier dysfunction after	
122	Dynamic contrast enhanced MRI for characterization of blood-brain-barrier dysfunction after traumatic brain injury. 2022 , 36, 103236	О
122	Dynamic contrast enhanced MRI for characterization of blood-brain-barrier dysfunction after traumatic brain injury. 2022, 36, 103236 Theranostic Nanomaterials for Brain Injury. 2022, 307-350 Cerebral blood flow, tau imaging, and memory associations in cognitively unimpaired older adults.	0
122 121 120	Dynamic contrast enhanced MRI for characterization of blood-brain-barrier dysfunction after traumatic brain injury. 2022, 36, 103236 Theranostic Nanomaterials for Brain Injury. 2022, 307-350 Cerebral blood flow, tau imaging, and memory associations in cognitively unimpaired older adults. 2022, 3, 100153	0 0
122 121 120	Dynamic contrast enhanced MRI for characterization of blood-brain-barrier dysfunction after traumatic brain injury. 2022, 36, 103236 Theranostic Nanomaterials for Brain Injury. 2022, 307-350 Cerebral blood flow, tau imaging, and memory associations in cognitively unimpaired older adults. 2022, 3, 100153 Advances in the roles and mechanisms of lignans against Alzheimer disease. 13, Amyloid []Lipid Metabolism, Basal Cholinergic System, and Therapeutics in Alzheimer Disease.	o o o
122 121 120 119	Dynamic contrast enhanced MRI for characterization of blood-brain-barrier dysfunction after traumatic brain injury. 2022, 36, 103236 Theranostic Nanomaterials for Brain Injury. 2022, 307-350 Cerebral blood flow, tau imaging, and memory associations in cognitively unimpaired older adults. 2022, 3, 100153 Advances in the roles and mechanisms of lignans against Alzheimer disease. 13, Amyloid [ILipid Metabolism, Basal Cholinergic System, and Therapeutics in Alzheimer Disease. 2022, 23, 12092 New Perspective of the Beneficial Effect of Exercise on Alzheimer Disease: Vascular Theory. 2022,	0 0 0

114	Endothelial Progenitor Cells in Neurovascular Disorders Comprehensive Overview of the Current State of Knowledge. 2022 , 10, 2616	О
113	Baseline oxygen consumption decreases with cortical depth. 2022 , 20, e3001440	О
112	Role of Caveolin 1 in metabolic programming of fetal brain.	0
111	The convergent and divergent patterns in brain perfusion between Alzheimer's disease and Parkinson's disease with dementia: An ASL MRI study. 16,	O
110	Yeast-derived vacuoles as a novel carrier with enhanced hCMEC/D3 cell monolayer penetration. 2200393	0
109	Cryptotanshinone against vascular dementia through inhibition of Alaggregation and inflammatory responses in cerebrovascular endothelial cells. 2022 , 15, 104328	O
108	Ferroptosis contributes to nickel-induced developmental neurotoxicity in zebrafish. 2023, 858, 160078	0
107	Alzheimer Disease: Treatment Strategies and Their Limitations. 2022, 23, 13954	O
106	Vascular smooth muscle cell dysfunction in neurodegeneration. 16,	0
105	Application of pseudocontinuous arterial spin labeling perfusion imaging in children with autism spectrum disorders. 16,	O
104	Protein Expression of Amino Acid Transporters Is Altered in Isolated Cerebral Microvessels of 5xFAD Mouse Model of Alzheimer Disease.	О
103	Neural Stem Cells in the Treatment of Alzheimer Disease: Current Status, Challenges, and Future Prospects. 2022 , 1-14	O
102	Retinal functional ultrasound imaging (rfUS) for assessing neurovascular alterations: a pilot study on a rat model of dementia. 2022 , 12,	0
101	Proteomic mapping reveals dysregulated angiogenesis in the cerebral arteries of rats with early-onset hypertension.	O
100	Prevalence of multimorbidity combinations and their association with medical costs and poor health: A population-based study of U.S. adults. 10,	0
99	Endothelial LRP1-ICD Accelerates Cognition-Associated Alpha-Synuclein Pathology and Neurodegeneration through PARP1 Activation in a Mouse Model of Parkinson Disease.	O
98	Depth-Resolved Localization Microangiography in the NIR-II Window. 2204782	0
97	Multiple roles of fucoxanthin and astaxanthin against Alzheimer's disease: Their pharmacological potential and therapeutic insights. 2023 , 193, 11-21	1

96	Necroptosis and Alzheimer⊠ Disease: Pathogenic Mechanisms and Therapeutic Opportunities. 2022 , 1-20	0
95	Key brain cell interactions and contributions to the pathogenesis of Alzheimer disease. 10,	O
94	Effect of antioxidant intake patterns on risks of dementia and cognitive decline.	О
93	The divergent effects of astrocyte ceruloplasmin on learning and memory function in young and old mice. 2022 , 13,	O
92	Linking Cerebrovascular Dysfunction to Age-Related Hearing Loss and Alzheimer Disease Are Systemic Approaches for Diagnosis and Therapy Required?. 2022 , 12, 1717	О
91	In vivo methods for imaging blood B rain barrier function and dysfunction.	1
90	Amyloid Beta Peptides Inhibit Glucose Transport at the Blood-brain Barrier by Disrupting Insulin-Akt Pathway in Alzheimer Disease.	О
89	Intermittent Cytomegalovirus Infection Alters Neurobiological Metabolism and Induces Cognitive Deficits in Mice.	Ο
88	Altered cerebral blood flow in older adults with Alzheimer disease: a systematic review.	0
87	Features of Cerebral Small Vessel Disease Contributes to the Differential Diagnosis of Alzheimer Disease. 2022 , 1-10	O
86	High Throughput Detection of Capillary Stalling Events with Bessel Beam Two-Photon Microscopy.	О
85	Associations among hypertension, dementia biomarkers, and cognition: The MEMENTO cohort.	O
84	Microfluidics and Lab-on-a-Chip for Biomedical Applications. 2023 , 263-283	О
83	Emerging Therapeutics Agents and Recent Advances in Drug Repurposing for Alzheimer Disease. 2022 , 101815	Ο
82	Vascular contributions to Alzheimer's disease. 2022 ,	1
81	The Pathology of Primary Familial Brain Calcification: Implications for Treatment.	O
80	Vascular endothelial cells: a fundamental approach for brain waste clearance.	О
79	An in vitro study on probable inhibition of cerebrovascular disease by salidroside as a potent small molecule against Alaggregation and cytotoxicity in cerebrovascular endothelial cells. 2023 , 104548	O

78	Endothelial TFEB signaling-mediated autophagic disturbance initiates microglial activation and cognitive dysfunction. 1-18	0
77	Impairment of attention network function in posterior circulation ischemia-evidence from the Attention Network Test. 16,	O
76	Oral anticoagulants: A plausible new treatment for Alzheimer disease?.	0
75	Blood brain barrier-on-a-chip to model neurological diseases. 2023 , 104174	O
74	Effects of traditional Chinese exercise on vascular function in patients with Alzheimer disease: A protocol for systematic review and network meta-analysis of randomized controlled trials. 2023 , 102, e32517	О
73	Pericytes control vascular stability and auditory spiral ganglion neuron survival. 12,	O
72	Particulate matter and ultrafine particles in urban air pollution and their effect on the nervous system.	1
71	Subcellular analysis of blood-brain barrier function by micro-impalement of vessels in acute brain slices. 2023 , 14,	O
70	Altered dynamics of glymphatic flow in a mature-onset Tet-off APP mouse model of amyloidosis. 2023 , 15,	O
69	Vascular and neural transcriptomics reveal stage-dependent pathways to inflammation and cognitive dysfunction in a rat model of hypertension.	O
68	Immunotherapy targeting the PD-1 pathway alleviates neuroinflammation caused by chronic Toxoplasma infection. 2023 , 13,	O
67	Experimental Models of In Vitro Blood B rain Barrier for CNS Drug Delivery: An Evolutionary Perspective. 2023 , 24, 2710	O
66	Butyrate alleviates cognitive impairment by improving gut mucosal barrier function and blocking neuroinflammatory signaling in LDLR-/- mice.	O
65	Comparison of Oleocanthal-Low EVOO and Oleocanthal against Amyloid-land Related Pathology in a Mouse Model of Alzheimer Disease. 2023 , 28, 1249	O
64	Cell non-autonomous regulation of cerebrovascular aging processes by the somatotropic axis. 14,	О
63	Regional White Matter Hyperintensities and Alzheimer Disease Biomarkers Among Older Adults with Normal Cognition and Mild Cognitive Impairment. 2023 , 1-17	O
62	Amyloid-PET and White Matter Hyperintensities Have Independent Effects on Baseline Cognitive Function and Synergistic Effects on Longitudinal Executive Function. 2023 , 13, 218	0
61	Platinum Drug-Incorporating Polymeric Nanosystems for Precise Cancer Therapy. 2208241	O

60	SM22Deletion Contributes to Neurocognitive Impairment in Mice through Modulating Vascular Smooth Muscle Cell Phenotypes. 2023 , 24, 7117	0
59	Glymphatic pathway in sporadic cerebral small vessel diseases: From bench to bedside. 2023 , 86, 101885	Ο
58	Cognitive reserve moderates the association between cerebral blood flow and language performance in older adults with mild cognitive impairment. 2023 , 125, 83-89	0
57	The Drosophila blood-brain barrier emerges as a model for understanding human brain diseases. 2023 , 180, 106071	Ο
56	Imaging Approach to Concussion. 2023 , 33, 261-269	O
55	Pathways to healing: Plants with therapeutic potential for neurodegenerative diseases. 2023 , 14, 210-234	Ο
54	Dissecting the neurovascular unit in physiology and Alzheimer's disease: Functions, imaging tools and genetic mouse models. 2023 , 181, 106114	0
53	Interleukin-1lbuppresses rabies virus infection by activating cGAS-STING pathway and compromising the blood-brain barrier integrity in mice. 2023 , 280, 109708	O
52	From cells to organoids: The evolution of blood-brain barrier technology for modelling drug delivery in brain cancer. 2023 , 196, 114777	O
51	LPS-induced inflammation alters cerebral oxygenation but not blood flow in a mouse model of Alzheimer disease. 2023 ,	O
50	Rnf-213 knockout induces pericyte reduction and blood-brain barrier impairment in mouse.	O
49	Comparison of Retinal Structural and Neurovascular Changes between Patients with and without Amyloid Pathology. 2023 , 12, 1310	Ο
48	Contributions of bloodBrain barrier imaging to neurovascular unit pathophysiology of AlzheimerB disease and related dementias. 15,	O
47	Activation of aryl hydrocarbon receptor (AhR) in Alzheimer disease: role of tryptophan metabolites generated by gut host-microbiota. 2023 , 101, 201-222	Ο
46	Increased fatty acid metabolism and decreased glycolysis are hallmarks of metabolic reprogramming within microglia in degenerating white matter during recovery from experimental stroke. 0271678X2311572	O
45	Aberrant accumulation of age- and disease-associated factors following neural probe implantation in a mouse model of Alzheimer disease.	Ο
44	Neurodegeneration cell per cell. 2023 , 111, 767-786	0
43	Greater subjective cognitive decline severity is associated with worse memory performance and lower entorhinal cerebral blood flow in healthy older adults. 1-10	Ο

42	Reconsidering the role of blood-brain barrier in Alzheimer disease: From delivery to target. 15,	O
41	Bidirectional alterations in brain temperature profoundly modulate spatiotemporal neurovascular responses in-vivo. 2023 , 6,	o
40	Effects of risk factors on longitudinal changes in brain structure and function in the progression of AD.	0
39	Brain-Penetrating and Disease Site-Targeting Manganese Dioxide-Polymer-Lipid Hybrid Nanoparticles Remodel Microenvironment of Alzheimer's Disease by Regulating Multiple Pathological Pathways. 2207238	O
38	The benefits of regular aerobic exercise training on cerebrovascular function and cognition in older adults.	0
37	Antarctic Krill Oil Exhibited Synergistic Effects with Nobiletin and Theanine on Regulating Ligand-Specific Receptor-Mediated Transcytosis in Blood B rain Barrier by Inhibiting Alkaline Phosphatase in SAMP8 Mice. 2023 , 67,	O
36	BloodBrain barrier endothelial cells in neurodegenerative diseases: Signals from the Barrier[]17,	0
35	Neutrophils as a potential therapeutic target in Alzheimer disease. 14,	О
34	Therapeutic effect of human ApoA-I-Milano variant in aged transgenic mouse model of Alzheimer's disease.	O
33	Decreased functional connectivity is associated with increased levels of Cerebral Spinal Fluid soluble-PDGFR[]a marker of blood brain barrier breakdown, in older adults.	O
32	Neuroinflammation and neuroimmunology in Alzheimer's disease: The role of T-lymphocytes in Alzheimer's disease.	О
31	Beyond the amyloid cascade: An update of Alzheimer's disease pathophysiology. 2023,	О
30	Alzheimer Disease from the Amyloidogenic Theory to the Puzzling Crossroads between Vascular, Metabolic and Energetic Maladaptive Plasticity. 2023 , 11, 861	O
29	Altered cerebral neurovascular coupling in medication-overuse headache: A study combining multi-modal resting-state fMRI with 3D PCASL. 17,	O
28	Aquaporin 4 is differentially increased and dislocated in association with tau and amyloid-beta. 2023 , 321, 121593	0
27	Imaging bloodBrain barrier disruption in neuroinflammation and Alzheimer∃ disease. 15,	O
26	Exercise suppresses neuroinflammation for alleviating Alzheimer disease. 2023, 20,	0
25	Single-cell transcriptomics reveals the interaction between peripheral CD4+ CTLs and mesencephalic endothelial cells mediated by IFNG in Parkinson's disease. 2023 , 158, 106801	O

24	Beyond the amyloid hypothesis: how current research implicates autoimmunity in Alzheimer disease pathogenesis. 1-29	Ο
23	Inhibition of discoidin domain receptor (DDR)-1 with nilotinib induces autophagy and reduces inflammation and vascular fibrosis in Alzheimer disease.	O
22	The Association Between Cardiovascular Disease and Dementia: A Review of Trends in Epidemiology, Risk Factors, Pathophysiologic Mechanisms, and Clinical Implications. Publish Ahead of Print,	0
21	ApoE Mimetic Peptides to Improve the Vicious Cycle of Malnutrition and Enteric Infections by Targeting the Intestinal and Blood-Brain Barriers. 2023 , 15, 1086	O
20	Blood B rain Barrier Integrity Is Perturbed in a Mecp2-Null Mouse Model of Rett Syndrome. 2023 , 13, 606	0
19	White matter changes underlie hypertension-related cognitive decline in older adults. 2023 , 38, 103389	О
18	Review of the Effects of Tremella fuciformis Berk Extract as a Functional Phytochemical. 2023 , 21, 151-164	0
17	Getting closer to modeling the gut-brain axis using induced pluripotent stem cells. 11,	O
16	Cognitive testing following transient ischaemic attack: A systematic review of clinical assessment tools. 2023 , 10,	О
15	Two decades of astrocytes in neurovascular coupling. 3,	O
14	Reproducible Abnormalities and Diagnostic Generalizability of White Matter in Alzheimer Disease.	0
13	Vascular Effects on Cerebrovascular Permeability and Neurodegeneration. 2023 , 13, 648	О
12	Sex modifies the relationship between age and neurovascular coupling in healthy adults. 0271678X2311677	0
12	Sex modifies the relationship between age and neurovascular coupling in healthy adults. 0271678X2311677 Circulating exosomes from Alzheimer disease suppress VE-cadherin expression and induce barrier dysfunction in recipient brain microvascular endothelial cell.	0
	Circulating exosomes from Alzheimer disease suppress VE-cadherin expression and induce barrier	
11	Circulating exosomes from Alzheimer disease suppress VE-cadherin expression and induce barrier dysfunction in recipient brain microvascular endothelial cell.	0
10	Circulating exosomes from Alzheimer disease suppress VE-cadherin expression and induce barrier dysfunction in recipient brain microvascular endothelial cell. Clusterin/apolipoprotein J, its isoforms and Alzheimer's disease. 15,	0

6	Identifying genetic variants for amyloid [in subcortical vascular cognitive impairment. 15,	0
5	MicroRNA expression in extracellular vesicles as a novel blood-based biomarker for Alzheimer's disease.	O
4	FDA-approved carbonic anhydrase inhibitors reduce amyloid [pathology and improve cognition, by ameliorating cerebrovascular health and glial fitness.	O
3	ATP and Zn2+induce folding of ALS-associated hSOD1 with fundamentally distinctive mechanisms.	O
2	An EEG-fNIRS neurovascular coupling analysis method to investigate cognitive-motor interference. 2023 , 160, 106968	O
1	Lipid nanoparticle-mediated drug delivery to the brain. 2023 , 197, 114861	O