Guojun Bu

List of Publications by Year
in descending order

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215 papers	24,109 citations	5126 86 h-index	10129 145 g-index
231 all docs	231 docs citations	231 times ranked	27450 citing authors

#	Article	IF	Citations
1	Associations of amyloid and neurodegeneration plasma biomarkers with comorbidities. Alzheimer's and Dementia, 2022, 18, 1128-1140.	0.4	88
2	ApoE4 reduction: An emerging and promising therapeutic strategy for Alzheimer's disease. Neurobiology of Aging, 2022, 115, 20-28.	1.5	20
3	Clinicopathologic Factors Associated With Reversion to Normal Cognition in Patients With Mild Cognitive Impairment. Neurology, 2022, 98, .	1.5	7
4	Lipoproteins in the Central Nervous System: From Biology to Pathobiology. Annual Review of Biochemistry, 2022, 91, 731-759.	5.0	13
5	ApoE Cascade Hypothesis in the pathogenesis of Alzheimerâ€™s disease and related dementias. Neuron, 2022, 110, 1304-1317.	3.8	120
6	Solving neurodegeneration: common mechanisms and strategies for new treatments. Molecular Neurodegeneration, 2022, 17, 23.	4.4	83
7	TREM2 interacts with TDP-43 and mediates microglial neuroprotection against TDP-43-related neurodegeneration. Nature Neuroscience, 2022, 25, 26-38.	7.1	52
8	Brain integrity is altered by hepatic APOE Îµ4 in humanized-liver mice. Molecular Psychiatry, 2022, 27, 3533-3543.	4.1	22
9	APOE4 exacerbates Î±-synuclein seeding activity and contributes to neurotoxicity in Alzheimerâ€™s disease with Lewy body pathology. Acta Neuropathologica, 2022, 143, 641-662.	3.9	24
10	Efficacy and Safety of MSC Cell Therapies for Hospitalized Patients with COVID-19: A Systematic Review and Meta-Analysis. Stem Cells Translational Medicine, 2022, 11, 688-703.	1.6	13
11	Performance of plasma phosphorylated tau 181 and 217 in the community. Nature Medicine, 2022, 28, 1398-1405.	15.2	114
12	Sensitive ELISA-based detection method for the mitophagy marker p-S65-Ub in human cells, autopsy brain, and blood samples. Autophagy, 2021, 17, 2613-2628.	4.3	29
13	Mitophagy alterations in Alzheimer's disease are associated with granulovacuolar degeneration and early tau pathology. Alzheimer's and Dementia, 2021, 17, 417-430.	0.4	34
14	Vascular ApoE4 Impairs Behavior by Modulating Gliovascular Function. Neuron, 2021, 109, 438-447.e6.	3.8	42
15	Loss of Tmem106b leads to cerebellum Purkinje cell death and motor deficits. Brain Pathology, 2021, 31, e12945.	2.1	8
16	ABCA7 Regulates Brain Fatty Acid Metabolism During LPS-Induced Acute Inflammation. Frontiers in Neuroscience, 2021, 15, 647974.	1.4	12
17	Genome-wide analysis identifies a novel LINC-PINT splice variant associated with vascular amyloid pathology in Alzheimerâ€™s disease. Acta Neuropathologica Communications, 2021, 9, 93.	2.4	9
18	Generation and validation of APOE knockout human iPSC-derived cerebral organoids. STAR Protocols, 2021, 2, 100571.	0.5	4

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19	Interaction Between APOE Genotype and Diabetes in Longevity. Journal of Alzheimer's Disease, 2021, 82, 719-726.	1.2	4
20	Apolipoprotein E regulates lipid metabolism and Î±-synuclein pathology in human iPSC-derived cerebral organoids. Acta Neuropathologica, 2021, 142, 807-825.	3.9	25
21	Comparison of Plasma Phosphorylated Tau Species With Amyloid and Tau Positron Emission Tomography, Neurodegeneration, Vascular Pathology, and Cognitive Outcomes. JAMA Neurology, 2021, 78, 1108.	4.5	114
22	APOE3 Jacksonville (V236E) variant reduces self-aggregation and risk of dementia. Science Translational Medicine, 2021, 13, eabc9375.	5.8	37
23	Preparation of single cell suspensions enriched in mouse brain vascular cells for single-cell RNA sequencing. STAR Protocols, 2021, 2, 100715.	0.5	2
24	Identification of the minimal active soluble TREM2 sequence for modulating microglial phenotypes and amyloid pathology. Journal of Neuroinflammation, 2021, 18, 286.	3.1	8
25	TDP-43 Pathology in Alzheimerâ€™s Disease. Molecular Neurodegeneration, 2021, 16, 84.	4.4	92
26	Counteracting Alzheimerâ€™s disease via somatic TERT activation. Nature Aging, 2021, 1, 1081-1082.	5.3	1
27	ApoE (Apolipoprotein E) in Brain Pericytes Regulates Endothelial Function in an Isoform-Dependent Manner by Modulating Basement Membrane Components. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 128-144.	1.1	45
28	Cyclin-Dependent Kinase 5â€“Dependent BAG3 Degradation Modulates Synaptic Protein Turnover. Biological Psychiatry, 2020, 87, 756-769.	0.7	23
29	Toward allele-specific targeting therapy and pharmacodynamic marker for spinocerebellar ataxia type 3. Science Translational Medicine, 2020, 12, .	5.8	32
30	Astrocyte-derived clusterin suppresses amyloid formation in vivo. Molecular Neurodegeneration, 2020, 15, 71.	4.4	26
31	Clearance of interstitial fluid (ISF) and CSF (CLIC) groupâ€”part of Vascular Professional Interest Area (PIA). Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2020, 12, e12053.	1.2	53
32	APOE4 exacerbates synapse loss and neurodegeneration in Alzheimerâ€™s disease patient iPSC-derived cerebral organoids. Nature Communications, 2020, 11, 5540.	5.8	172
33	Tau and apolipoprotein E modulate cerebrovascular tight junction integrity independent of cerebral amyloid angiopathy in Alzheimer's disease. Alzheimer's and Dementia, 2020, 16, 1372-1383.	0.4	34
34	APOE2: protective mechanism and therapeutic implications for Alzheimerâ€™s disease. Molecular Neurodegeneration, 2020, 15, 63.	4.4	110
35	Cell-based therapy to reduce mortality from COVID-19: Systematic review and meta-analysis of human studies on acute respiratory distress syndrome. Stem Cells Translational Medicine, 2020, 9, 1007-1022.	1.6	85
36	Loss of TMEM106B leads to myelination deficits: implications for frontotemporal dementia treatment strategies. Brain, 2020, 143, 1905-1919.	3.7	44

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37	Alzheimerâ€™s Risk Factors Age, APOE Genotype, and Sex Drive Distinct Molecular Pathways. Neuron, 2020, 106, 727-742.e6.	3.8	152
38	An agnostic reevaluation of the amyloid cascade hypothesis of Alzheimer's disease pathogenesis: The role of APP homeostasis. Alzheimer's and Dementia, 2020, 16, 1582-1590.	0.4	18
39	APOE4 exacerbates Î±-synuclein pathology and related toxicity independent of amyloid. Science Translational Medicine, 2020, 12, .	5.8	90
40	Interaction between APOE genotype and diabetes in cognitive decline. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2020, 12, e12006.	1.2	25
41	Loss of Tmem106b exacerbates <scp>FTLD</scp> pathologies and causes motor deficits in progranulinâ€deficient mice. EMBO Reports, 2020, 21, e50197.	2.0	35
42	APOE2 is associated with longevity independent of Alzheimerâ€™s disease. ELife, 2020, 9, .	2.8	33
43	RPS23RG1 Is Required for Synaptic Integrity andÂRescues Alzheimerâ€™s Diseaseâ€“Associated CognitiveÂDeficits. Biological Psychiatry, 2019, 86, 171-184.	0.7	38
44	Apolipoprotein E and Alzheimer disease: pathobiology and targeting strategies. Nature Reviews Neurology, 2019, 15, 501-518.	4.9	734
45	A brain somatic RHEB doublet mutation causes focal cortical dysplasia type II. Experimental and Molecular Medicine, 2019, 51, 1-11.	3.2	46
46	ABCA7 haplodeficiency disturbs microglial immune responses in the mouse brain. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23790-23796.	3.3	43
47	Differential Effects of Extracellular Vesicles of Lineage-Specific Human Pluripotent Stem Cells on the Cellular Behaviors of Isogenic Cortical Spheroids. Cells, 2019, 8, 993.	1.8	29
48	Miro1 Marks Parkinsonâ€™s Disease Subset and Miro1 Reducer Rescues Neuron Loss in Parkinsonâ€™s Models. Cell Metabolism, 2019, 30, 1131-1140.e7.	7.2	96
49	Soluble TREM2 ameliorates pathological phenotypes by modulating microglial functions in an Alzheimerâ€™s disease model. Nature Communications, 2019, 10, 1365.	5.8	217
50	5-HT3 Antagonist Ondansetron Increases apoE Secretion by Modulating the LXR-ABCA1 Pathway. International Journal of Molecular Sciences, 2019, 20, 1488.	1.8	14
51	Selective loss of cortical endothelial tight junction proteins during Alzheimerâ€™s disease progression. Brain, 2019, 142, 1077-1092.	3.7	120
52	APOE4-mediated amyloid-Î² pathology depends on its neuronal receptor LRP1. Journal of Clinical Investigation, 2019, 129, 1272-1277.	3.9	96
53	TREM2 Is a Receptor for Î²-Amyloid that Mediates Microglial Function. Neuron, 2018, 97, 1023-1031.e7.	3.8	462
54	Multiple system atrophy and apolipoprotein E. Movement Disorders, 2018, 33, 647-650.	2.2	15

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55	Modeling Neurodegenerative Microenvironment Using Cortical Organoids Derived from Human Stem Cells. Tissue Engineering - Part A, 2018, 24, 1125-1137.	1.6	55
56	Amyloid-beta modulates microglial responses by binding to the triggering receptor expressed on myeloid cells 2 (TREM2). Molecular Neurodegeneration, 2018, 13, 15.	4.4	124
57	Apolipoprotein E, Receptors, and Modulation of Alzheimerâ€™s Disease. Biological Psychiatry, 2018, 83, 347-357.	0.7	265
58	Behavioral and transcriptomic analysis of Trem2-null mice: not all knockout mice are created equal. Human Molecular Genetics, 2018, 27, 211-223.	1.4	50
59	Pericyte implantation in the brain enhances cerebral blood flow and reduces amyloid-Î² pathology in amyloid model mice. Experimental Neurology, 2018, 300, 13-21.	2.0	53
60	PL-04-01: PATHOBIOLOGY OF APOE IN ALZHEIMER'S DISEASE. , 2018, 14, P1399-P1399.		0
61	The relevance of cerebrospinal fluid Î±-synuclein levels to sporadic and familial Alzheimerâ€™s disease. Acta Neuropathologica Communications, 2018, 6, 130.	2.4	44
62	Association study between multiple system atrophy and TREM2 p.R47H. Neurology: Genetics, 2018, 4, e257.	0.9	9
63	Regenerative Medicine in the State of Florida: Letter Outlining the Florida Organization for Regenerative Medicine. Stem Cells Translational Medicine, 2018, 7, 511-512.	1.6	0
64	Cyclin-dependent kinase 5-mediated phosphorylation of chloride intracellular channel 4 promotes oxidative stress-induced neuronal death. Cell Death and Disease, 2018, 9, 951.	2.7	17
65	APOE Îµ2 is associated with increased tau pathology in primary tauopathy. Nature Communications, 2018, 9, 4388.	5.8	100
66	AMPA-ergic regulation of amyloid-Î² levels in an Alzheimerâ€™s disease mouse model. Molecular Neurodegeneration, 2018, 13, 22.	4.4	41
67	Menin Deficiency Leads to Depressive-like Behaviors in Mice by Modulating Astrocyte-Mediated Neuroinflammation. Neuron, 2018, 100, 551-563.e7.	3.8	144
68	Compensatory Mechanisms Modulate the Neuronal Excitability in a Kainic Acid-Induced Epilepsy Mouse Model. Frontiers in Neural Circuits, 2018, 12, 48.	1.4	13
69	Neuron-Specific Menin Deletion Leads to Synaptic Dysfunction and Cognitive Impairment by Modulating p35 Expression. Cell Reports, 2018, 24, 701-712.	2.9	18
70	APOE Îµ4 is associated with severity of Lewy body pathology independent of Alzheimer pathology. Neurology, 2018, 91, e1182-e1195.	1.5	122
71	A novel link between trafficking and Lewy body disorders. Lancet Neurology, The, 2018, 17, 571-573.	4.9	1
72	The Neuron-Specific Protein TMEM59L Mediates Oxidative Stress-Induced Cell Death. Molecular Neurobiology, 2017, 54, 4189-4200.	1.9	27

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73	Peripheral apoE isoform levels in cognitively normal APOE Îµ3/Îµ4 individuals are associated with regional gray matter volume and cerebral glucose metabolism. Alzheimer's Research and Therapy, 2017, 9, 5.	3.0	29
74	TREM2 Promotes Microglial Survival by Activating Wnt/Î²-Catenin Pathway. Journal of Neuroscience, 2017, 37, 1772-1784.	1.7	242
75	Soluble TREM2 induces inflammatory responses and enhances microglial survival. Journal of Experimental Medicine, 2017, 214, 597-607.	4.2	258
76	Astrocytic LRP1 Mediates Brain AÎ² Clearance and Impacts Amyloid Deposition. Journal of Neuroscience, 2017, 37, 4023-4031.	1.7	175
77	Subacute ibuprofen treatment rescues the synaptic and cognitive deficits in advanced-aged mice. Neurobiology of Aging, 2017, 53, 112-121.	1.5	26
78	APOE Îµ4/Îµ4 diminishes neurotrophic function of human iPSC-derived astrocytes. Human Molecular Genetics, 2017, 26, 2690-2700.	1.4	162
79	Multivalent bi-specific nanobioconjugate engager for targeted cancer immunotherapy. Nature Nanotechnology, 2017, 12, 763-769.	15.6	136
80	The PINK1 p.I368N mutation affects protein stability and ubiquitin kinase activity. Molecular Neurodegeneration, 2017, 12, 32.	4.4	62
81	Role of LRP1 in the pathogenesis of Alzheimer's disease: evidence from clinical and preclinical studies. Journal of Lipid Research, 2017, 58, 1267-1281.	2.0	174
82	Apolipoprotein E4 Impairs Neuronal Insulin Signaling by Trapping Insulin Receptor in the Endosomes. Neuron, 2017, 96, 115-129.e5.	3.8	217
83	Progranulin-mediated deficiency of cathepsin D results in FTD and NCL-like phenotypes in neurons derived from FTD patients. Human Molecular Genetics, 2017, 26, 4861-4872.	1.4	100
84	Synaptic Adhesion Molecule Pcdh-Î³C5 Mediates Synaptic Dysfunction in Alzheimer's Disease. Journal of Neuroscience, 2017, 37, 9259-9268.	1.7	24
85	ApoE4 Accelerates Early Seeding of Amyloid Pathology. Neuron, 2017, 96, 1024-1032.e3.	3.8	258
86	Loss of clusterin shifts amyloid deposition to the cerebrovasculature via disruption of perivascular drainage pathways. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6962-E6971.	3.3	96
87	Distinct spatiotemporal accumulation of N-truncated and full-length amyloid-Î²42 in Alzheimerâ€™s disease. Brain, 2017, 140, 3301-3316.	3.7	14
88	Intracellular trafficking of TREM2 is regulated by presenilin 1. Experimental and Molecular Medicine, 2017, 49, e405-e405.	3.2	17
89	TREM2/DAP12 Complex Regulates Inflammatory Responses in Microglia via the JNK Signaling Pathway. Frontiers in Aging Neuroscience, 2017, 9, 204.	1.7	53
90	Implications of GABAergic Neurotransmission in Alzheimerâ€™s Disease. Frontiers in Aging Neuroscience, 2016, 8, 31.	1.7	196

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91	APOE2 eases cognitive decline during Aging: Clinical and preclinical evaluations. Annals of Neurology, 2016, 79, 758-774.	2.8	77
92	Identification of plexin A4 as a novel clusterin receptor links two Alzheimerâ€™s disease risk genes. Human Molecular Genetics, 2016, 25, 3467-3475.	1.4	21
93	LRP1 modulates the microglial immune response via regulation of JNK and NF-ÎºB signaling pathways. Journal of Neuroinflammation, 2016, 13, 304.	3.1	101
94	SNX27 Deletion Causes Hydrocephalus by Impairing Ependymal Cell Differentiation and Ciliogenesis. Journal of Neuroscience, 2016, 36, 12586-12597.	1.7	27
95	P4â€149: Peripheral Apoe Levels are Associated with Regional Gray Matter Volume, Cerebral Glucose Metabolism and Cognitive Performance in Cognitively Normal APOE E3/4 Carriers. Alzheimer's and Dementia, 2016, 12, P1071.	0.4	0
96	ABCA7 Deficiency Accelerates Amyloid-Î² Generation and Alzheimer's Neuronal Pathology. Journal of Neuroscience, 2016, 36, 3848-3859.	1.7	109
97	Impact of sex and APOE4 on cerebral amyloid angiopathy in Alzheimerâ€™s disease. Acta Neuropathologica, 2016, 132, 225-234.	3.9	73
98	Rapid in vivo measurement of Î²-amyloid reveals biphasic clearance kinetics in an Alzheimerâ€™s mouse model. Journal of Experimental Medicine, 2016, 213, 677-685.	4.2	44
99	Quercetin stabilizes apolipoprotein E and reduces brain AÎ² levels in amyloid model mice. Neuropharmacology, 2016, 108, 179-192.	2.0	52
100	TYROBP genetic variants in early-onset Alzheimer's disease. Neurobiology of Aging, 2016, 48, 222.e9-222.e15.	1.5	69
101	Prosaposin is a regulator of progranulin levels and oligomerization. Nature Communications, 2016, 7, 11992.	5.8	68
102	VPS35 regulates cell surface recycling and signaling of dopamine receptor D1. Neurobiology of Aging, 2016, 46, 22-31.	1.5	40
103	Apolipoprotein E epsilon 2 allele and low serum cholesterol as risk factors for gastric cancer in a Chinese Han population. Scientific Reports, 2016, 6, 19930.	1.6	29
104	TREMs in Alzheimer's disease: Genetic and clinical investigations. Clinica Chimica Acta, 2016, 463, 88-95.	0.5	20
105	Neuronal heparan sulfates promote amyloid pathology by modulating brain amyloid-Î² clearance and aggregation in Alzheimerâ€™s disease. Science Translational Medicine, 2016, 8, 332ra44.	5.8	115
106	A rapid and cost-effective method for genotyping apolipoprotein E gene polymorphism. Molecular Neurodegeneration, 2016, 11, 2.	4.4	58
107	Apolipoprotein E as a Therapeutic Target in Alzheimerâ€™s Disease: A Review of Basic Research and Clinical Evidence. CNS Drugs, 2016, 30, 773-789.	2.7	93
108	Heparan sulfate proteoglycans mediate AÎ²-induced oxidative stress and hypercontractility in cultured vascular smooth muscle cells. Molecular Neurodegeneration, 2016, 11, 9.	4.4	25

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109	Apolipoprotein E lipoprotein particles inhibit amyloid-Î² uptake through cell surface heparan sulphate proteoglycan. Molecular Neurodegeneration, 2016, 11, 37.	4.4	45
110	Appoptosin interacts with mitochondrial outer-membrane fusion proteins and regulates mitochondrial morphology. Journal of Cell Science, 2016, 129, 994-1002.	1.2	23
111	C9ORF72 poly(GA) aggregates sequester and impair HR23 and nucleocytoplasmic transport proteins. Nature Neuroscience, 2016, 19, 668-677.	7.1	268
112	Rescuing effects of RXR agonist bexarotene on aging-related synapse loss depend on neuronal LRP1. Experimental Neurology, 2016, 277, 1-9.	2.0	50
113	Opposing roles of the triggering receptor expressed on myeloid cells 2 and triggering receptor expressed on myeloid cells-like transcript 2 in microglia activation. Neurobiology of Aging, 2016, 42, 132-141.	1.5	89
114	The role of APOE in cerebrovascular dysfunction. Acta Neuropathologica, 2016, 131, 709-723.	3.9	161
115	Vascular Cell Senescence Contributes to Bloodâ€“Brain Barrier Breakdown. Stroke, 2016, 47, 1068-1077.	1.0	167
116	Apolipoprotein E and Amyloid-Î²-Independent Mechanisms in Alzheimerâ€™s Disease. , 2016, , 171-196.		2
117	SNX15 Regulates Cell Surface Recycling of APP and AÎ² Generation. Molecular Neurobiology, 2016, 53, 3690-3701.	1.9	13
118	MiR-219 Protects Against Seizure in the Kainic Acid Model of Epilepsy. Molecular Neurobiology, 2016, 53, 1-7.	1.9	93
119	Frontotemporal dementia-associated N279K tau mutant disrupts subcellular vesicle trafficking and induces cellular stress in iPSC-derived neural stem cells. Molecular Neurodegeneration, 2015, 10, 46.	4.4	58
120	Genetics ignite focus on microglial inflammation in Alzheimerâ€™s disease. Molecular Neurodegeneration, 2015, 10, 52.	4.4	128
121	Opposing effects of viral mediated brain expression of apolipoprotein E2 (apoE2) and apoE4 on apoE lipidation and AÎ² metabolism in apoE4-targeted replacement mice. Molecular Neurodegeneration, 2015, 10, 6.	4.4	114
122	Central role for PICALM in amyloid-Î² blood-brain barrier transcytosis and clearance. Nature Neuroscience, 2015, 18, 978-987.	7.1	334
123	TREM2 in CNS homeostasis and neurodegenerative disease. Molecular Neurodegeneration, 2015, 10, 43.	4.4	115
124	Tau deposition drives neuropathological, inflammatory and behavioral abnormalities independently of neuronal loss in a novel mouse model. Human Molecular Genetics, 2015, 24, 6198-6212.	1.4	52
125	O3-06-04: Apolipoprotein e affects neuronal alpha-synuclein uptake in an isoform-dependent manner. , 2015, 11, P231-P231.		1
126	The Roles of Cdk5-Mediated Subcellular Localization of FOXO1 in Neuronal Death. Journal of Neuroscience, 2015, 35, 2624-2635.	1.7	22

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127	Apolipoprotein E Inhibits Cerebrovascular Pericyte Mobility through a RhoA Protein-mediated Pathway. Journal of Biological Chemistry, 2015, 290, 14208-14217.	1.6	49
128	The role of copper and the copper-related protein CUTA in mediating APP processing and AÎ² generation. Neurobiology of Aging, 2015, 36, 1310-1315.	1.5	25
129	Very low density lipoprotein receptor regulates dendritic spine formation in a RasGRF1/CaMKII dependent manner. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 904-917.	1.9	25
130	Modulation of Mitochondrial Complex I Activity Averts Cognitive Decline in Multiple Animal Models of Familial Alzheimer's Disease. EBioMedicine, 2015, 2, 294-305.	2.7	87
131	DAP12 Stabilizes the C-terminal Fragment of the Triggering Receptor Expressed on Myeloid Cells-2 (TREM2) and Protects against LPS-induced Pro-inflammatory Response. Journal of Biological Chemistry, 2015, 290, 15866-15877.	1.6	119
132	Cyclin-Dependent Kinase 5 Decreases in Gastric Cancer and Its Nuclear Accumulation Suppresses Gastric Tumorigenesis. Clinical Cancer Research, 2015, 21, 1419-1428.	3.2	34
133	Neuronal LRP1 Regulates Glucose Metabolism and Insulin Signaling in the Brain. Journal of Neuroscience, 2015, 35, 5851-5859.	1.7	110
134	Appoptosin-Mediated Caspase Cleavage of Tau Contributes to Progressive Supranuclear Palsy Pathogenesis. Neuron, 2015, 87, 963-975.	3.8	87
135	Apolipoprotein E Is a Ligand for Triggering Receptor Expressed on Myeloid Cells 2 (TREM2). Journal of Biological Chemistry, 2015, 290, 26043-26050.	1.6	395
136	The Resveratrol Trimer Miyabenol C Inhibits Î²-Secretase Activity and Î²-Amyloid Generation. PLoS ONE, 2015, 10, e0115973.	1.1	26
137	Demographic and Lifestyle Characteristics, but Not Apolipoprotein E Genotype, Are Associated with Intelligence among Young Chinese College Students. PLoS ONE, 2015, 10, e0143157.	1.1	5
138	Detection and enumeration of circulating tumor cells based on their invasive property. Oncotarget, 2015, 6, 27304-27311.	0.8	7
139	Low-Density Lipoprotein Receptor-Related Protein 1 (LRP1) Regulates the Stability and Function of GluA1 Î±-Amino-3-Hydroxy-5-Methyl-4-Isoxazole Propionic Acid (AMPA) Receptor in Neurons. PLoS ONE, 2014, 9, e113237.	1.1	28
140	The low-density lipoprotein receptor-related protein 1 and amyloid-ÃŽÂ² clearance in AlzheimerÃ¢â‚¬â„¢s disease. Frontiers in Aging Neuroscience, 2014, 6, 93.	1.7	199
141	Tyrosine-based Signal Mediates LRP6 Receptor Endocytosis and Desensitization of Wnt/Î²-Catenin Pathway Signaling. Journal of Biological Chemistry, 2014, 289, 27562-27570.	1.6	33
142	Soluble apoE/AÎ² complex: mechanism and therapeutic target for APOE4-induced AD risk. Molecular Neurodegeneration, 2014, 9, 2.	4.4	98
143	ApoE and AÎ² in Alzheimerâ€™s Disease: Accidental Encounters or Partners?. Neuron, 2014, 81, 740-754.	3.8	460
144	Total apolipoprotein E levels and specific isoform composition in cerebrospinal fluid and plasma from Alzheimerâ€™s disease patients and controls. Acta Neuropathologica, 2014, 127, 633-643.	3.9	120

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145	Retinoic Acid Isomers Facilitate Apolipoprotein E Production and Lipidation in Astrocytes through the Retinoid X Receptor/Retinoic Acid Receptor Pathway. Journal of Biological Chemistry, 2014, 289, 11282-11292.	1.6	62
146	Assessment of Peptide Chemical Modifications on the Development of an Accurate and Precise Multiplex Selected Reaction Monitoring Assay for Apolipoprotein E Isoforms. Journal of Proteome Research, 2014, 13, 1077-1087.	1.8	60
147	Deficiency in LRP6-Mediated Wnt Signaling Contributes to Synaptic Abnormalities and Amyloid Pathology in Alzheimerâ€™s Disease. Neuron, 2014, 84, 63-77.	3.8	168
148	Regional distribution of synaptic markers and APP correlate with distinct clinicopathological features in sporadic and familial Alzheimerâ€™s disease. Brain, 2014, 137, 1533-1549.	3.7	100
149	ApoE variant p.V236E is associated with markedly reduced risk of Alzheimerâ€™s disease. Molecular Neurodegeneration, 2014, 9, 11.	4.4	57
150	P4-024: APOLIPOPROTEIN E: AN UNEXPLORED MODULATOR OF CELLULAR ALPHA-SYNUCLEIN UPTAKE. , 2014, 10, P791-P792.		0
151	Sorting Nexin 17 Regulates ApoER2 Recycling and Reelin Signaling. PLoS ONE, 2014, 9, e93672.	1.1	41
152	A Sorting Nexin 17â€Binding Domain Within the <scp>LRP1</scp> Cytoplasmic Tail Mediates Receptor Recycling Through the Basolateral Sorting Endosome. Traffic, 2013, 14, 823-838.	1.3	41
153	Apolipoprotein E and Alzheimer disease: risk, mechanisms and therapy. Nature Reviews Neurology, 2013, 9, 106-118.	4.9	2,482
154	S1-01-01: APOE and APOE receptors in brain lipid metabolism, synaptic functions and clearance of beta-amyloid. , 2013, 9, P121-P121.		0
155	Levels of Soluble Apolipoprotein E/Amyloid-Î² (AÎ²) Complex Are Reduced and Oligomeric AÎ² Increased with APOE4 and Alzheimer Disease in a Transgenic Mouse Model and Human Samples*. Journal of Biological Chemistry, 2013, 288, 5914-5926.	1.6	136
156	Loss of sorting nexin 27 contributes to excitatory synaptic dysfunction by modulating glutamate receptor recycling in Down's syndrome. Nature Medicine, 2013, 19, 473-480.	15.2	221
157	Brain regional correlation of amyloid-Î² with synapses and apolipoprotein E in non-demented individuals: potential mechanisms underlying regional vulnerability to amyloid-Î² accumulation. Acta Neuropathologica, 2013, 125, 535-547.	3.9	51
158	ApoE influences amyloid-Î² (AÎ²) clearance despite minimal apoE/AÎ² association in physiological conditions. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E1807-16.	3.3	428
159	Neuronal Clearance of Amyloid-Î² by Endocytic Receptor LRP1. Journal of Neuroscience, 2013, 33, 19276-19283.	1.7	206
160	Apolipoprotein E as a Î²-amyloid-independent factor in Alzheimerâ€™s disease. Alzheimer's Research and Therapy, 2013, 5, 38.	3.0	48
161	What can we learn from regional vulnerability to amyloid-Î² accumulation in nondemented individuals?. Neurodegenerative Disease Management, 2013, 3, 187-189.	1.2	2
162	Apolipoprotein E and Apolipoprotein E Receptors: Normal Biology and Roles in Alzheimer Disease. Cold Spring Harbor Perspectives in Medicine, 2012, 2, a006312-a006312.	2.9	637

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163	Differential Regulation of Amyloid-Î² Endocytic Trafficking and Lysosomal Degradation by Apolipoprotein E Isoforms. Journal of Biological Chemistry, 2012, 287, 44593-44601.	1.6	156
164	LRP1 in Brain Vascular Smooth Muscle Cells Mediates Local Clearance of Alzheimer's Amyloid-Î². Journal of Neuroscience, 2012, 32, 16458-16465.	1.7	174
165	APOE4-specific Changes in AÎ² Accumulation in a New Transgenic Mouse Model of Alzheimer Disease. Journal of Biological Chemistry, 2012, 287, 41774-41786.	1.6	213
166	Intraneuronal AÎ² detection in 5xFAD mice by a new AÎ²-specific antibody. Molecular Neurodegeneration, 2012, 7, 8.	4.4	144
167	Heparan Sulphate Proteoglycan and the Low-Density Lipoprotein Receptor-Related Protein 1 Constitute Major Pathways for Neuronal Amyloid-Î² Uptake. Journal of Neuroscience, 2011, 31, 1644-1651.	1.7	178
168	Amyloid-Î²42 alters apolipoprotein E solubility in brains of mice with five familial AD mutations. Journal of Neuroscience Methods, 2011, 196, 51-59.	1.3	58
169	Premature Ligand-Receptor Interaction during Biosynthesis Limits the Production of Growth Factor Midkine and Its Receptor LDL Receptor-related Protein 1. Journal of Biological Chemistry, 2011, 286, 8405-8413.	1.6	20
170	Apolipoprotein E Regulates the Integrity of Tight Junctions in an Isoform-dependent Manner in an in Vitro Blood-Brain Barrier Model. Journal of Biological Chemistry, 2011, 286, 17536-17542.	1.6	204
171	Lipoprotein Receptor LRP1 Regulates Leptin Signaling and Energy Homeostasis in the Adult Central Nervous System. PLoS Biology, 2011, 9, e1000575.	2.6	70
172	Low-Density Lipoprotein Receptor-Related Protein 1 (LRP1) Mediates Neuronal AÎ²42 Uptake and Lysosomal Trafficking. PLoS ONE, 2010, 5, e11884.	1.1	87
173	LRP6 overexpression defines a class of breast cancer subtype and is a target for therapy. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5136-5141.	3.3	177
174	Neuronal LRP1 Knockout in Adult Mice Leads to Impaired Brain Lipid Metabolism and Progressive, Age-Dependent Synapse Loss and Neurodegeneration. Journal of Neuroscience, 2010, 30, 17068-17078.	1.7	212
175	Amyloid seeds formed by cellular uptake, concentration, and aggregation of the amyloid-beta peptide. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20324-20329.	3.3	361
176	Polarized Traffic of LRP1 Involves AP1B and SNX17 Operating on Y-dependent Sorting Motifs in Different Pathways. Molecular Biology of the Cell, 2009, 20, 481-497.	0.9	60
177	Cooperative Folding and Ligand-binding Properties of LRP6 Î²-Propeller Domains. Journal of Biological Chemistry, 2009, 284, 15299-15307.	1.6	30
178	Interaction of Reelin with Amyloid Precursor Protein Promotes Neurite Outgrowth. Journal of Neuroscience, 2009, 29, 7459-7473.	1.7	182
179	Low Density Lipoprotein Receptor-related Protein 1 Promotes Anti-apoptotic Signaling in Neurons by Activating Akt Survival Pathway. Journal of Biological Chemistry, 2009, 284, 34045-34053.	1.6	92
180	Low-Density Lipoprotein Receptor-Related Protein 1 Promotes Cancer Cell Migration and Invasion by Inducing the Expression of Matrix Metalloproteinases 2 and 9. Cancer Research, 2009, 69, 879-886.	0.4	160

#	Article	IF	Citations
181	Expression of SORL1 and a novel SORL1 splice variant in normal and Alzheimers disease brain. Molecular Neurodegeneration, 2009, 4, 46.	4.4	53
182	Apolipoprotein E and its receptors in Alzheimer's disease: pathways, pathogenesis and therapy. Nature Reviews Neuroscience, 2009, 10, 333-344.	4.9	967
183	MicroRNA-205 inhibits tumor cell migration through down-regulating the expression of the LDL receptor-related protein 1. Biochemical and Biophysical Research Communications, 2009, 388, 400-405.	1.0	61
184	Breast cancerâ€derived Dickkopf1 inhibits osteoblast differentiation and osteoprotegerin expression: Implication for breast cancer osteolytic bone metastases. International Journal of Cancer, 2008, 123, 1034-1042.	2.3	104
185	Adaptor Protein Sorting Nexin 17 Regulates Amyloid Precursor Protein Trafficking and Processing in the Early Endosomes. Journal of Biological Chemistry, 2008, 283, 11501-11508.	1.6	134
186	The Low Density Lipoprotein Receptor-related Protein 1 Mediates Uptake of Amyloid Î² Peptides in an in Vitro Model of the Blood-Brain Barrier Cells. Journal of Biological Chemistry, 2008, 283, 34554-34562.	1.6	99
187	Amyloid Precursor Protein Regulates Brain Apolipoprotein E and Cholesterol Metabolism through Lipoprotein Receptor LRP1. Neuron, 2007, 56, 66-78.	3.8	320
188	A Cytoplasmic PPPSP Motif Determines Megalin's Phosphorylation and Regulates Receptor's Recycling and Surface Expression. Traffic, 2007, 8, 1215-1230.	1.3	54
189	Self-Assembly of HEK Cell-Secreted ApoE Particles Resembles ApoE Enrichment of Lipoproteins as a Ligand for the LDL Receptor-Related Proteinâ€. Biochemistry, 2006, 45, 381-390.	1.2	32
190	LRP in Amyloid-beta Production and Metabolism. Annals of the New York Academy of Sciences, 2006, 1086, 35-53.	1.8	116
191	Apolipoprotein E and Low Density Lipoprotein Receptor-related Protein Facilitate Intraneuronal AÎ²42 Accumulation in Amyloid Model Mice. Journal of Biological Chemistry, 2006, 281, 36180-36186.	1.6	117
192	Genetics and molecular biology: ABCA1 in brain apolipoprotein E metabolism and lipidation â€“ editorial comment. Current Opinion in Lipidology, 2005, 16, 115-117.	1.2	3
193	Sorting nexin 17 facilitates LRP recycling in the early endosome. EMBO Journal, 2005, 24, 2851-2861.	3.5	133
194	The Low Density Lipoprotein Receptor Regulates the Level of CentralNervous System Human and Murine Apolipoprotein E but Does Not Modify AmyloidPlaque Pathology in PDAPPMice. Journal of Biological Chemistry, 2005, 280, 25754-25759.	1.6	121
195	Mesd binds to mature LDL-receptor-related protein-6 and antagonizes ligand binding. Journal of Cell Science, 2005, 118, 5305-5314.	1.2	49
196	Increased soluble amyloid-Â peptide and memory deficits in amyloid model mice overexpressing the low-density lipoprotein receptor-related protein. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 1075-1080.	3.3	128
197	Differential Distribution of Lowâ€Density Lipoproteinâ€Receptorâ€Related Protein (LRP) and Megalin in Polarized Epithelial Cells is Determined by Their Cytoplasmic Domains. Traffic, 2003, 4, 273-288.	1.3	81
198	Essential role of the low density lipoprotein receptor-related protein in vascular smooth muscle cell migration. FEBS Letters, 2003, 555, 346-350.	1.3	35

#	Article	IF	Citations
199	Low Density Lipoprotein Receptor-related Protein Mediates Apolipoprotein E Inhibition of Smooth Muscle Cell Migration. Journal of Biological Chemistry, 2002, 277, 4141-4146.	1.6	62
200	Apolipoprotein E and apolipoprotein E receptors modulate AÎ²-induced glial neuroinflammatory responses. Neurochemistry International, 2001, 39, 427-434.	1.9	112
201	The roles of receptor-associated protein (RAP) as a molecular chaperone for members of the LDL receptor family. International Review of Cytology, 2001, 209, 79-116.	6.2	115
202	Low-Density Lipoprotein Receptor Family. Molecular Neurobiology, 2001, 23, 53-68.	1.9	124
203	High Affinity Binding of Receptor-associated Protein to Heparin and Low Density Lipoprotein Receptor-related Protein Requires Similar Basic Amino Acid Sequence Motifs. Journal of Biological Chemistry, 2001, 276, 29338-29346.	1.6	21
204	Expression of ?2-macroglobulin receptor/low density lipoprotein receptor-related protein (LRP) in rat microglial cells. Journal of Neuroscience Research, 2000, 60, 401-411.	1.3	83
205	Uptake of HIV-1 Tat protein mediated by low-density lipoprotein receptor-related protein disrupts the neuronal metabolic balance of the receptor ligands. Nature Medicine, 2000, 6, 1380-1387.	15.2	360
206	Lipoproteins in the Central Nervous System. Annals of the New York Academy of Sciences, 2000, 903, 167-175.	1.8	182
207	Role of RAP in the Biogenesis of Lipoprotein Receptors. Trends in Cardiovascular Medicine, 2000, 10, 148-155.	2.3	58
208	Apolipoprotein E Receptors Mediate the Effects of Î²-Amyloid on Astrocyte Cultures. Journal of Biological Chemistry, 2000, 275, 33974-33980.	1.6	86
209	The YXXL Motif, but Not the Two NPXY Motifs, Serves as the Dominant Endocytosis Signal for Low Density Lipoprotein Receptor-related Protein. Journal of Biological Chemistry, 2000, 275, 17187-17194.	1.6	202
210	Evidence for Normal Aging of the Septo-Hippocampal Cholinergic System in apoE (â^'/â^') Mice but Impaired Clearance of Axonal Degeneration Products Following Injury. Experimental Neurology, 1998, 151, 314-325.	2.0	110
211	Glial Fibrillary Acidic Proteinâ€“Apolipoprotein E (apoE) Transgenic Mice: Astrocyte-Specific Expression and Differing Biological Effects of Astrocyte-Secreted apoE3 and apoE4 Lipoproteins. Journal of Neuroscience, 1998, 18, 3261-3272.	1.7	211
212	Î±₂â€Macroglobulin Complexes with and Mediates the Endocytosis of Î²â€Amyloid Peptide via Cell Surface Lowâ€Density Lipoprotein Receptorâ€Related Protein. Journal of Neurochemistry, 1997, 69, 1904-1911.	2.1	237
213	Receptor-associated Protein Is a Folding Chaperone for Low Density Lipoprotein Receptor-related Protein. Journal of Biological Chemistry, 1996, 271, 22218-22224.	1.6	145
214	Apolipoprotein E-containing High Density Lipoprotein Promotes Neurite Outgrowth and Is a Ligand for the Low Density Lipoprotein Receptor-related Protein. Journal of Biological Chemistry, 1996, 271, 30121-30125.	1.6	199
215	Binding and endocytosis of 39 kDa protein by mdbk cells. Journal of Cellular Physiology, 1995, 164, 441-447.	2.0	2