

Takaomi C Saido

List of Publications by Year in descending order

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Version: 2024-02-01

382
papers

32,668
citations

3721

89
h-index

5806

161
g-index

427
all docs

427
docs citations

427
times ranked

28595
citing authors

#	ARTICLE	IF	CITATIONS
1	Presubiculum principal cells are preserved from degeneration in knock-in APP/TAU mouse models of Alzheimer's disease. <i>Seminars in Cell and Developmental Biology</i> , 2023, 139, 55-72.	2.3	8
2	¹¹ C-PiB and ¹²⁴ I-Antibody PET Provide Differing Estimates of Brain Amyloid- β After Therapeutic Intervention. <i>Journal of Nuclear Medicine</i> , 2022, 63, 302-309.	2.8	19
3	Somatostatin-evoked A β catabolism in the brain: Mechanistic involvement of β -endosulfine-KATP channel pathway. <i>Molecular Psychiatry</i> , 2022, 27, 1816-1828.	4.1	11
4	Deficiency of MTH1 and/or OGG1 increases the accumulation of 8-oxoguanine in the brain of the AppNL-G-F/NL-G-F knock-in mouse model of Alzheimer's disease, accompanied by accelerated microgliosis and reduced anxiety-like behavior. <i>Neuroscience Research</i> , 2022, 177, 118-134.	1.0	3
5	Therapeutic effects of anti-amyloid β antibody after intravenous injection and efficient nose-to-brain delivery in Alzheimer's disease mouse model. <i>Drug Delivery and Translational Research</i> , 2022, , 1.	3.0	2
6	Disrupted neural correlates of anesthesia and sleep reveal early circuit dysfunctions in Alzheimer models. <i>Cell Reports</i> , 2022, 38, 110268.	2.9	13
7	Assessing Sex-Specific Circadian, Metabolic, and Cognitive Phenotypes in the A β PP/PS1 and APPNL-F/NL-F Models of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2022, 85, 1077-1093.	1.2	5
8	Periodontal Infection Aggravates C1q-Mediated Microglial Activation and Synapse Pruning in Alzheimer's Mice. <i>Frontiers in Immunology</i> , 2022, 13, 816640.	2.2	15
9	Astrocytes deficient in circadian clock gene <i>Bmal1</i> show enhanced activation responses to amyloid-beta pathology without changing plaque burden. <i>Scientific Reports</i> , 2022, 12, 1796.	1.6	22
10	Lipid flippase dysfunction as a therapeutic target for endosomal anomalies in Alzheimer's disease. <i>IScience</i> , 2022, 25, 103869.	1.9	7
11	Recent Advances in the Modeling of Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2022, 16, 807473.	1.4	55
12	AAV-mediated delivery of an anti-BACE1 VHH alleviates pathology in an Alzheimer's disease model. <i>EMBO Molecular Medicine</i> , 2022, 14, e09824.	3.3	13
13	Epigenetic repression of Wnt receptors in AD: a role for Sirtuin2-induced H4K16ac deacetylation of Frizzled1 and Frizzled7 promoters. <i>Molecular Psychiatry</i> , 2022, 27, 3024-3033.	4.1	16
14	Endothelial expression of human amyloid precursor protein leads to amyloid β in the blood and induces cerebral amyloid angiopathy in knock-in mice. <i>Journal of Biological Chemistry</i> , 2022, 298, 101880.	1.6	8
15	Assessments of prolonged effects of desflurane and sevoflurane on motor learning deficits in aged AppNL-G-F/NL-G-F mice. <i>Molecular Brain</i> , 2022, 15, 32.	1.3	2
16	Amelioration of Alzheimer's Disease by Gut-Pancreas-Liver-Brain Interaction in an App Knock-In Mouse Model. <i>Life</i> , 2022, 12, 34.	1.1	3
17	Impairment of ciliary dynamics in an APP knock-in mouse model of Alzheimer's disease. <i>Biochemical and Biophysical Research Communications</i> , 2022, 610, 85-91.	1.0	4
18	Expression of Olfactory-Related Genes in the Olfactory Epithelium of an Alzheimer's Disease Mouse Model. <i>Journal of Alzheimer's Disease</i> , 2022, , 1-7.	1.2	1

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19	Effects of high-fat diet on nutrient metabolism and cognitive functions in young APPKI mice. <i>Neuropsychopharmacology Reports</i> , 2022, .	1.1	1
20	Propolis Promotes Memantine-Dependent Rescue of Cognitive Deficits in APP-KI Mice. <i>Molecular Neurobiology</i> , 2022, 59, 4630-4646.	1.9	4
21	Mouse models of Alzheimer's disease for preclinical research. <i>Neurochemistry International</i> , 2022, 158, 105361.	1.9	9
22	Early memory deficits and extensive brain network disorganization in the App/MAPT double knock-in mouse model of familial Alzheimer's disease. <i>Aging Brain</i> , 2022, 2, 100042.	0.7	5
23	An isogenic panel of App knock-in mouse models: Profiling β -secretase inhibition and endosomal abnormalities. <i>Science Advances</i> , 2022, 8, .	4.7	6
24	Terminal complement pathway activation drives synaptic loss in Alzheimer's disease models. <i>Acta Neuropathologica Communications</i> , 2022, 10, .	2.4	19
25	Hippocampal neural circuit connectivity alterations in an Alzheimer's disease mouse model revealed by monosynaptic rabies virus tracing. <i>Neurobiology of Disease</i> , 2022, 172, 105820.	2.1	8
26	Increased CSF-decorin predicts brain pathological changes driven by Alzheimer's A β amyloidosis. <i>Acta Neuropathologica Communications</i> , 2022, 10, .	2.4	8
27	Genetic Mapping of APP and Amyloid- β Biology Modulation by Trisomy 21. <i>Journal of Neuroscience</i> , 2022, 42, 6453-6468.	1.7	6
28	Early-life stress induces the development of Alzheimer's disease pathology via angiopathy. <i>Experimental Neurology</i> , 2021, 337, 113552.	2.0	17
29	Pulse-Chase Proteomics of the App Knockin Mouse Models of Alzheimer's Disease Reveals that Synaptic Dysfunction Originates in Presynaptic Terminals. <i>Cell Systems</i> , 2021, 12, 141-158.e9.	2.9	32
30	A potential defense mechanism against amyloid deposition in cerebellum. <i>Biochemical and Biophysical Research Communications</i> , 2021, 535, 25-32.	1.0	7
31	Microglial gene signature reveals loss of homeostatic microglia associated with neurodegeneration of Alzheimer's disease. <i>Acta Neuropathologica Communications</i> , 2021, 9, 1.	2.4	172
32	Integrated analysis of behavioral, epigenetic, and gut microbiome analyses in AppNL-G-F, AppNL-F, and wild type mice. <i>Scientific Reports</i> , 2021, 11, 4678.	1.6	38
33	Extracellular Release of ILEI/FAM3C and Amyloid- β Is Associated with the Activation of Distinct Synapse Subpopulations. <i>Journal of Alzheimer's Disease</i> , 2021, 80, 159-174.	1.2	5
34	PET imaging of colony-stimulating factor 1 receptor: A head-to-head comparison of a novel radioligand, ¹¹ C-GW2580, and ¹¹ C-CPPC, in mouse models of acute and chronic neuroinflammation and a rhesus monkey. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 2410-2422.	2.4	36
35	Enhancing calmodulin binding to ryanodine receptor is crucial to limit neuronal cell loss in Alzheimer disease. <i>Scientific Reports</i> , 2021, 11, 7289.	1.6	14
36	Early identification of Alzheimer's disease in mouse models: Application of deep neural network algorithm to cognitive behavioral parameters. <i>IScience</i> , 2021, 24, 102198.	1.9	14

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37	Plaque associated microglia hyper-secrete extracellular vesicles and accelerate tau propagation in a humanized APP mouse model. <i>Molecular Neurodegeneration</i> , 2021, 16, 18.	4.4	97
38	Tooth Loss Induces Memory Impairment and Gliosis in App Knock-In Mouse Models of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2021, 80, 1687-1704.	1.2	11
39	Modality-Specific Impairment of Hippocampal CA1 Neurons of Alzheimer's Disease Model Mice. <i>Journal of Neuroscience</i> , 2021, 41, 5315-5329.	1.7	11
40	Multi-scale network imaging in a mouse model of amyloidosis. <i>Cell Calcium</i> , 2021, 95, 102365.	1.1	9
41	Knock-in models related to Alzheimer's disease: synaptic transmission, plaques and the role of microglia. <i>Molecular Neurodegeneration</i> , 2021, 16, 47.	4.4	27
42	Accumulation of saposin in dystrophic neurites is linked to impaired lysosomal functions in Alzheimer's disease brains. <i>Molecular Neurodegeneration</i> , 2021, 16, 45.	4.4	26
43	A high-fat diet exacerbates the Alzheimer's disease pathology in the hippocampus of the <i>App</i> ^{NL^G/NL^G knock-in mouse model. <i>Aging Cell</i>, 2021, 20, e13429.}	3.0	19
44	Suppression of amyloid β secretion from neurons by <i>cis</i> ⁹ , <i>trans</i> ¹¹ -octadecadienoic acid, an isomer of conjugated linoleic acid. <i>Journal of Neurochemistry</i> , 2021, 159, 603-617.	2.1	3
45	Casein Kinase 2 dependent phosphorylation of eIF4B regulates BACE1 expression in Alzheimer's disease. <i>Cell Death and Disease</i> , 2021, 12, 769.	2.7	8
46	Neuronal Cell Cycle Re-Entry Enhances Neuropathological Features in AppNLF Knock-In Mice. <i>Journal of Alzheimer's Disease</i> , 2021, 82, 1683-1702.	1.2	7
47	Widespread Reduced Density of Noradrenergic Locus Coeruleus Axons in the App Knock-In Mouse Model of Amyloid β Amyloidosis. <i>Journal of Alzheimer's Disease</i> , 2021, 82, 1513-1530.	1.2	7
48	A third-generation mouse model of Alzheimer's disease shows early and increased cored plaque pathology composed of wild-type human amyloid β peptide. <i>Journal of Biological Chemistry</i> , 2021, 297, 101004.	1.6	16
49	The AppNL-G-F mouse retina is a site for preclinical Alzheimer's disease diagnosis and research. <i>Acta Neuropathologica Communications</i> , 2021, 9, 6.	2.4	22
50	Distinct microglial response against Alzheimer's amyloid and tau pathologies characterized by P2Y12 receptor. <i>Brain Communications</i> , 2021, 3, fcab011.	1.5	41
51	HMGB1 signaling phosphorylates Ku70 and impairs DNA damage repair in Alzheimer's disease pathology. <i>Communications Biology</i> , 2021, 4, 1175.	2.0	14
52	Microglia and CD206+ border-associated mouse macrophages maintain their embryonic origin during Alzheimer's disease. <i>ELife</i> , 2021, 10, .	2.8	16
53	Identification and drug-induced reversion of molecular signatures of Alzheimer's disease onset and progression in AppNL-G-F, AppNL-F, and 3xTg-AD mouse models. <i>Genome Medicine</i> , 2021, 13, 168.	3.6	7
54	NHE6 depletion corrects ApoE4-mediated synaptic impairments and reduces amyloid plaque load. <i>ELife</i> , 2021, 10, .	2.8	12

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55	Microglia-Based Sex-Biased Neuropathology in Early-Stage Alzheimer's Disease Model Mice and the Potential Pharmacologic Efficacy of Dioscin. <i>Cells</i> , 2021, 10, 3261.	1.8	5
56	MUTYH Actively Contributes to Microglial Activation and Impaired Neurogenesis in the Pathogenesis of Alzheimer's Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-30.	1.9	17
57	Contribution of GABAergic interneurons to amyloid- β plaque pathology in an APP knock-in mouse model. <i>Molecular Neurodegeneration</i> , 2020, 15, 3.	4.4	26
58	Increased levels of A β 242 decrease the lifespan of ob/ob mice with dysregulation of microglia and astrocytes. <i>FASEB Journal</i> , 2020, 34, 2425-2435.	0.2	15
59	Gene-environment interaction promotes Alzheimer's risk as revealed by synergy of repeated mild traumatic brain injury and mouse App knock-in. <i>Neurobiology of Disease</i> , 2020, 145, 105059.	2.1	2
60	Disrupted Place Cell Remapping and Impaired Grid Cells in a Knockin Model of Alzheimer's Disease. <i>Neuron</i> , 2020, 107, 1095-1112.e6.	3.8	82
61	Spatial Transcriptomics and In Situ Sequencing to Study Alzheimer's Disease. <i>Cell</i> , 2020, 182, 976-991.e19.	13.5	491
62	Touchscreen-based location discrimination and paired associate learning tasks detect cognitive impairment at an early stage in an App knock-in mouse model of Alzheimer's disease. <i>Molecular Brain</i> , 2020, 13, 147.	1.3	13
63	Prodromal Alzheimer's Disease: Constitutive Upregulation of Neuroglobin Prevents the Initiation of Alzheimer's Pathology. <i>Frontiers in Neuroscience</i> , 2020, 14, 562581.	1.4	8
64	Impact of Hyperhomocysteinemia and Different Dietary Interventions on Cognitive Performance in a Knock-in Mouse Model for Alzheimer's Disease. <i>Nutrients</i> , 2020, 12, 3248.	1.7	8
65	The two faces of synaptic failure in AppNL-G-F knock-in mice. <i>Alzheimer's Research and Therapy</i> , 2020, 12, 100.	3.0	25
66	Amyloid- β 1-43 cerebrospinal fluid levels and the interpretation of APP, PSEN1 and PSEN2 mutations. <i>Alzheimer's Research and Therapy</i> , 2020, 12, 108.	3.0	17
67	Astaxanthin Ameliorated Parvalbumin-Positive Neuron Deficits and Alzheimer's Disease-Related Pathological Progression in the Hippocampus of AppNL-G-F/NL-G-F Mice. <i>Frontiers in Pharmacology</i> , 2020, 11, 307.	1.6	27
68	Amyloid β 2 induces interneuron-specific changes in the hippocampus of APPNL-F mice. <i>PLoS ONE</i> , 2020, 15, e0233700.	1.1	17
69	Oral glutathione administration inhibits the oxidative stress and the inflammatory responses in AppNL ^{G-F} /NL ^{G-F} knock-in mice. <i>Neuropharmacology</i> , 2020, 168, 108026.	2.0	26
70	Analysis of Taste Sensitivities in App Knock-In Mouse Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2020, 76, 997-1004.	1.2	5
71	β -amyloid redirects norepinephrine signaling to activate the pathogenic GSK3 β /tau cascade. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	86
72	Nrf2 Suppresses Oxidative Stress and Inflammation in App Knock-In Alzheimer's Disease Model Mice. <i>Molecular and Cellular Biology</i> , 2020, 40, .	1.1	98

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73	YAP-dependent necrosis occurs in early stages of Alzheimer's disease and regulates mouse model pathology. <i>Nature Communications</i> , 2020, 11, 507.	5.8	62
74	Versatile whole-organ/body staining and imaging based on electrolyte-gel properties of biological tissues. <i>Nature Communications</i> , 2020, 11, 1982.	5.8	134
75	Proteomics Time-Course Study of App Knock-In Mice Reveals Novel Presymptomatic A β 42-Induced Pathways to Alzheimer's Disease Pathology. <i>Journal of Alzheimer's Disease</i> , 2020, 75, 321-335.	1.2	9
76	Retinal Thickness Changes Over Time in a Murine AD Model APPNL-F/NL-F. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 625642.	1.7	10
77	Progressive Changes in Sleep and Its Relations to Amyloid- β Distribution and Learning in Single App Knock-In Mice. <i>ENeuro</i> , 2020, 7, ENEURO.0093-20.2020.	0.9	9
78	Fibrillar A β triggers microglial proteome alterations and dysfunction in Alzheimer mouse models. <i>ELife</i> , 2020, 9, .	2.8	80
79	Looking beyond the standard version of the Morris water task in the assessment of mouse models of cognitive deficits. <i>Hippocampus</i> , 2019, 29, 3-14.	0.9	12
80	Longitudinal PET Monitoring of Amyloidosis and Microglial Activation in a Second-Generation Amyloid- β Mouse Model. <i>Journal of Nuclear Medicine</i> , 2019, 60, 1787-1793.	2.8	41
81	Humanization of the entire murine Mapt gene provides a murine model of pathological human tau propagation. <i>Journal of Biological Chemistry</i> , 2019, 294, 12754-12765.	1.6	114
82	Serine Phosphorylation of IRS1 Correlates with A β -Unrelated Memory Deficits and Elevation in A β Level Prior to the Onset of Memory Decline in AD. <i>Nutrients</i> , 2019, 11, 1942.	1.7	13
83	ABCA7 haplodeficiency disturbs microglial immune responses in the mouse brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 23790-23796.	3.3	43
84	Inhibition of p38 MAPK in the brain through nasal administration of p38 inhibitor loaded in chitosan nanocapsules. <i>Nanomedicine</i> , 2019, 14, 2409-2422.	1.7	11
85	Network-guided analysis of hippocampal proteome identifies novel proteins that colocalize with A β in a mice model of early-stage Alzheimer's disease. <i>Neurobiology of Disease</i> , 2019, 132, 104603.	2.1	13
86	An impaired intrinsic microglial clock system induces neuroinflammatory alterations in the early stage of amyloid precursor protein knock-in mouse brain. <i>Journal of Neuroinflammation</i> , 2019, 16, 173.	3.1	33
87	Amyloid β oligomers constrict human capillaries in Alzheimer's disease via signaling to pericytes. <i>Science</i> , 2019, 365, .	6.0	436
88	App mice overall do not show impaired motivation, but cored amyloid plaques in the striatum are inversely correlated with motivation. <i>Neurochemistry International</i> , 2019, 129, 104470.	1.9	5
89	An App knock-in mouse inducing the formation of a toxic conformer of A β as a model for evaluating only oligomer-induced cognitive decline in Alzheimer's disease. <i>Biochemical and Biophysical Research Communications</i> , 2019, 515, 462-467.	1.0	14
90	Tau binding protein CAPON induces tau aggregation and neurodegeneration. <i>Nature Communications</i> , 2019, 10, 2394.	5.8	59

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91	Temporal progression of Alzheimer's disease in brains and intestines of transgenic mice. <i>Neurobiology of Aging</i> , 2019, 81, 166-176.	1.5	31
92	Aminophospholipids are signal-transducing TREM2 ligands on apoptotic cells. <i>Scientific Reports</i> , 2019, 9, 7508.	1.6	61
93	The Major Risk Factors for Alzheimer's Disease: Age, Sex, and Genes Modulate the Microglia Response to A β Plaques. <i>Cell Reports</i> , 2019, 27, 1293-1306.e6.	2.9	527
94	SIRT3 mediates hippocampal synaptic adaptations to intermittent fasting and ameliorates deficits in APP mutant mice. <i>Nature Communications</i> , 2019, 10, 1886.	5.8	114
95	Amyloid- β plaque formation and reactive gliosis are required for induction of cognitive deficits in App knock-in mouse models of Alzheimer's disease. <i>BMC Neuroscience</i> , 2019, 20, 13.	0.8	37
96	Reducing ADAMTS-3 Inhibits Amyloid β Deposition in <i>App</i> Knock-in Mouse. <i>Biological and Pharmaceutical Bulletin</i> , 2019, 42, 354-356.	0.6	8
97	GABARAPs dysfunction by autophagy deficiency in adolescent brain impairs GABA _A receptor trafficking and social behavior. <i>Science Advances</i> , 2019, 5, eaau8237.	4.7	41
98	Aberrant Excitatory-Inhibitory Synaptic Mechanisms in Entorhinal Cortex Microcircuits During the Pathogenesis of Alzheimer's Disease. <i>Cerebral Cortex</i> , 2019, 29, 1834-1850.	1.6	90
99	Insoluble A β overexpression in an <i>App</i> knock-in mouse model alters microstructure and gamma oscillations in the prefrontal cortex, and impacts on anxiety-related behaviours. <i>DMM Disease Models and Mechanisms</i> , 2019, 12, .	1.2	25
100	Biology of splicing in Alzheimer's disease research. <i>Progress in Molecular Biology and Translational Science</i> , 2019, 168, 79-84.	0.9	0
101	New Insights of a Neuronal Peptidase DINE/ECEL1: Nerve Development, Nerve Regeneration and Neurogenic Pathogenesis. <i>Neurochemical Research</i> , 2019, 44, 1279-1288.	1.6	14
102	Subtle behavioral changes and increased prefrontal-hippocampal network synchronicity in APPNL Δ G Δ F mice before prominent plaque deposition. <i>Behavioural Brain Research</i> , 2019, 364, 431-441.	1.2	63
103	The Disease-modifying Drug Candidate, SAK3 Improves Cognitive Impairment and Inhibits Amyloid beta Deposition in App Knock-in Mice. <i>Neuroscience</i> , 2018, 377, 87-97.	1.1	22
104	Spatial reversal learning defect coincides with hypersynchronous telencephalic BOLD functional connectivity in APPNL-F/NL-F knock-in mice. <i>Scientific Reports</i> , 2018, 8, 6264.	1.6	41
105	Critical review: involvement of endoplasmic reticulum stress in the aetiology of Alzheimer's disease. <i>Open Biology</i> , 2018, 8, 180024.	1.5	106
106	High fat diet treatment impairs hippocampal long-term potentiation without alterations of the core neuropathological features of Alzheimer disease. <i>Neurobiology of Disease</i> , 2018, 113, 82-96.	2.1	34
107	DNA methylation level of the neprilysin promoter in Alzheimer's disease brains. <i>Neuroscience Letters</i> , 2018, 670, 8-13.	1.0	10
108	Dietary lipophilic iron alters amyloidogenesis and microglial morphology in Alzheimer's disease knock-in APP mice. <i>Metallomics</i> , 2018, 10, 426-443.	1.0	33

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109	Reduced expression of Na ⁺ /Ca ²⁺ exchangers is associated with cognitive deficits seen in Alzheimer's disease model mice. <i>Neuropharmacology</i> , 2018, 131, 291-303.	2.0	23
110	Loss of kallikreinâ€related peptidase 7 exacerbates amyloid pathology in Alzheimer's disease model mice. <i>EMBO Molecular Medicine</i> , 2018, 10, .	3.3	39
111	Endoplasmic reticulum stress responses in mouse models of Alzheimer's disease: Overexpression paradigm versus knockin paradigm. <i>Journal of Biological Chemistry</i> , 2018, 293, 3118-3125.	1.6	53
112	Generation of App knock-in mice reveals deletion mutations protective against Alzheimerâ€™s disease-like pathology. <i>Nature Communications</i> , 2018, 9, 1800.	5.8	33
113	Near-Infrared Photoactivatable Oxygenation Catalysts of Amyloid Peptide. <i>CheM</i> , 2018, 4, 807-820.	5.8	59
114	Reduction in open field activity in the absence of memory deficits in the AppNL ^G F knock-in mouse model of Alzheimerâ€™s disease. <i>Behavioural Brain Research</i> , 2018, 336, 177-181.	1.2	50
115	Istradefylline reduces memory deficits in aging mice with amyloid pathology. <i>Neurobiology of Disease</i> , 2018, 110, 29-36.	2.1	75
116	T-type calcium channel enhancer SAK3 promotes dopamine and serotonin releases in the hippocampus in naive and amyloid precursor protein knock-in mice. <i>PLoS ONE</i> , 2018, 13, e0206986.	1.1	20
117	Transmission of amyloid- β protein pathology from cadaveric pituitary growth hormone. <i>Nature</i> , 2018, 564, 415-419.	13.7	122
118	Neuroinflammation in mouse models of Alzheimer's disease. <i>Clinical and Experimental Neuroimmunology</i> , 2018, 9, 211-218.	0.5	77
119	The intellectual disability gene PQBP1 rescues Alzheimerâ€™s disease pathology. <i>Molecular Psychiatry</i> , 2018, 23, 2090-2110.	4.1	41
120	Increased Insoluble Amyloid- β Induces Negligible Cognitive Deficits in Old AppNL/NL Knock-In Mice. <i>Journal of Alzheimer's Disease</i> , 2018, 66, 801-809.	1.2	8
121	Novel Quantitative Analyses of Spontaneous Synaptic Events in Cortical Pyramidal Cells Reveal Subtle Parvalbumin-Expressing Interneuron Dysfunction in a Knock-In Mouse Model of Alzheimerâ€™s Disease. <i>ENeuro</i> , 2018, 5, ENEURO.0059-18.2018.	0.9	18
122	Cognitive and emotional alterations in App knock-in mouse models of A β amyloidosis. <i>BMC Neuroscience</i> , 2018, 19, 46.	0.8	51
123	Introduction of pathogenic mutations into the mouse Psen1 gene by Base Editor and Target-AID. <i>Nature Communications</i> , 2018, 9, 2892.	5.8	52
124	Concurrent cell typeâ€specific isolation and profiling of mouse brains in inflammation and Alzheimerâ€™s disease. <i>JCI Insight</i> , 2018, 3, .	2.3	39
125	Circadian and Brain State Modulation of Network Hyperexcitability in Alzheimerâ€™s Disease. <i>ENeuro</i> , 2018, 5, ENEURO.0426-17.2018.	0.9	33
126	Systemic insulin resistance induces cognitive and psychiatric symptoms in Alzheimer's disease model mice. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO1-1-38.	0.0	0

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127	T-type calcium channel enhancer SAK3 improves cognition and inhibits amyloid beta accumulation in AppNL-F knock-in mice. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO1-1-61.	0.0	0
128	PLD3 gene and processing of APP. Nature, 2017, 541, E1-E2.	13.7	42
129	Tetraspanin 6: a pivotal protein of the multiple vesicular body determining exosome release and lysosomal degradation of amyloid precursor protein fragments. Molecular Neurodegeneration, 2017, 12, 25.	4.4	70
130	An immunoaffinity-based method for isolating ultrapure adult astrocytes based on ATP1B2 targeting by the ACSA-2 antibody. Journal of Biological Chemistry, 2017, 292, 8874-8891.	1.6	73
131	Neuron-specific methylome analysis reveals epigenetic regulation and tau-related dysfunction of BRCA1 in Alzheimer's disease. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9645-E9654.	3.3	72
132	Alzheimer's-Causing Mutations Shift A β Length by Destabilizing β -Secretase-A β n Interactions. Cell, 2017, 170, 443-456.e14.	13.5	199
133	<scp>APP</scp> mouse models for Alzheimer's disease preclinical studies. EMBO Journal, 2017, 36, 2473-2487.	3.5	530
134	Expression of Concern for Takano et al., "Vital Role of the Calpain-Calpastatin System for Placental-Integrity-Dependent Embryonic Survival". Molecular and Cellular Biology, 2017, 37, .	1.1	0
135	Comparative profiling of cortical gene expression in Alzheimer's disease patients and mouse models demonstrates a link between amyloidosis and neuroinflammation. Scientific Reports, 2017, 7, 17762.	1.6	138
136	Impaired In Vivo Gamma Oscillations in the Medial Entorhinal Cortex of Knock-in Alzheimer Model. Frontiers in Systems Neuroscience, 2017, 11, 48.	1.2	52
137	Distinct functional consequences of ECEL1/DINE missense mutations in the pathogenesis of congenital contracture disorders. Acta Neuropathologica Communications, 2017, 5, 83.	2.4	7
138	Time-course global proteome analyses reveal an inverse correlation between A β burden and immunoglobulin M levels in the APPNL-F mouse model of Alzheimer disease. PLoS ONE, 2017, 12, e0182844.	1.1	6
139	11B NMR/MRI Sensing of Copper(II) Ions In Vitro by the Decomposition of a Hybrid Compound of anido-o-Carborane and a Metal Chelator. European Journal of Inorganic Chemistry, 2016, 2016, 3330-3337.	1.0	8
140	Familial Alzheimer's Disease Mutations in Presenilin Generate Amyloidogenic A β Peptide Seeds. Neuron, 2016, 90, 410-416.	3.8	86
141	Cognitive deficits in single App knock-in mouse models. Neurobiology of Learning and Memory, 2016, 135, 73-82.	1.0	158
142	Calpain Activation in Alzheimer's Model Mice Is an Artifact of APP and Presenilin Overexpression. Journal of Neuroscience, 2016, 36, 9933-9936.	1.7	98
143	Calpain research for drug discovery: challenges and potential. Nature Reviews Drug Discovery, 2016, 15, 854-876.	21.5	216
144	HMGB1, a pathogenic molecule that induces neurite degeneration via TLR4-MARCKS, is a potential therapeutic target for Alzheimer's disease. Scientific Reports, 2016, 6, 31895.	1.6	111

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145	¹¹ B NMR Probes of Copper(II): Finding and Implications of the Cu ²⁺ -Promoted Decomposition of ortho-Carborane Derivatives. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 1819-1834.	1.0	10
146	Bisecting GlcNAc modification stabilizes BACE1 protein under oxidative stress conditions. <i>Biochemical Journal</i> , 2016, 473, 21-30.	1.7	65
147	ECEL1 mutation implicates impaired axonal arborization of motor nerves in the pathogenesis of distal arthrogryposis. <i>Acta Neuropathologica</i> , 2016, 132, 111-126.	3.9	20
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