A mutation in APP protects against Alzheimerâ€⁵\disea

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Citation Report

| # | Article | IF | CITATIONS |
|----|--|-------------|-----------|
| 3 | Driving $\hat{A^2}$ into reverse. Nature Reviews Neuroscience, 2012, 13, 601-601. | 4.9 | 3 |
| 4 | \hat{l}^2 -Site Amyloid Precursor Protein (APP)-cleaving Enzyme 1 (BACE1)-deficient Mice Exhibit a Close Homolog of L1 (CHL1) Loss-of-function Phenotype Involving Axon Guidance Defects. Journal of Biological Chemistry, 2012, 287, 38408-38425. | 1.6 | 134 |
| 5 | Are Retinoids a Promise for Alzheimer's Disease Management?. Current Medicinal Chemistry, 2012, 19, 6119-6125. | 1.2 | 6 |
| 6 | Clinical and Biomarker Changes in Alzheimer's Disease. New England Journal of Medicine, 2012, 367, 2050-2052. | 13.9 | 5 |
| 7 | Lifelong Management of Amyloid-Beta Metabolism to Prevent Alzheimer's Disease. New England Journal of Medicine, 2012, 367, 864-866. | 13.9 | 38 |
| 8 | A protective mutation against Alzheimer disease?. Communicative and Integrative Biology, 2012, 5, 301-303. | 0.6 | 5 |
| 9 | The secreted Alzheimer-related amyloid precursor protein fragment has an essential role in <i>C. elegans</i> . Prion, 2012, 6, 433-436. | 0.9 | 2 |
| 10 | Down's syndrome and Alzheimer's disease: towards secondary prevention. Nature Reviews Drug Discovery, 2012, 11, 655-656. | 21.5 | 41 |
| 11 | Developing an international network for Alzheimer's research: the Dominantly Inherited Alzheimer Network. Clinical Investigation, 2012, 2, 975-984. | 0.0 | 180 |
| 12 | Exome sequencing and complex disease: practical aspects of rare variant association studies. Human Molecular Genetics, 2012, 21, R1-R9. | 1.4 | 114 |
| 13 | Aging, Protein Aggregation, Chaperones and Neurodegenerative Disorders: Mechanisms of Coupling and Therapeutic Opportunities. Rambam Maimonides Medical Journal, 2012, 3, e0021. | 0.4 | 13 |
| 14 | The Genetics of Alzheimer's Disease. Scientifica, 2012, 2012, 1-14. | 0.6 | 63 |
| 16 | Pharmacogenomics in clinical practice and drug development. Nature Biotechnology, 2012, 30, 1117-1124. | 9.4 | 91 |
| 17 | Discovery of a Novel Pharmacological and Structural Class of Gamma Secretase Modulators Derived from the Extract of Actaea racemosa. ACS Chemical Neuroscience, 2012, 3, 941-951. | 1.7 | 58 |
| 18 | Energy Intake and Exercise as Determinants of Brain Health and Vulnerability to Injury and Disease. Cell Metabolism, 2012, 16, 706-722. | 7. 2 | 340 |
| 19 | Discovery of AZD3839, a Potent and Selective BACE1 Inhibitor Clinical Candidate for the Treatment of Alzheimer Disease. Journal of Biological Chemistry, 2012, 287, 41245-41257. | 1.6 | 108 |
| 20 | Hypothesis-driven genomics pays off. Genome Biology, 2012, 13, . | 3.8 | 0 |
| 21 | HSV, axonal transport and Alzheimer's disease: <i>in vitro</i> and <i>in vivo</i> evidence for causal relationships. Future Virology, 2012, 7, 885-899. | 0.9 | 48 |

| # | Article | IF | CITATIONS |
|----|---|------------------|-------------------|
| 22 | Intraneuronal $\hat{l}^2 \hat{a} \in \mathbf{n}$ myloid and its interactions with proteins and subcellular organelles. Electrophoresis, 2012, 33, 3608-3616. | 1.3 | 23 |
| 23 | The genetics and neuropathology of neurodegenerative disorders: perspectives and implications for research and clinical practice. Acta Neuropathologica, 2012, 124, 297-303. | 3.9 | 12 |
| 24 | Genetics of Alzheimer's Disease. Archives of Medical Research, 2012, 43, 622-631. | 1.5 | 104 |
| 25 | Mild Cognitive Impairment: A Subset of Minor Neurocognitive Disorder?. American Journal of Geriatric Psychiatry, 2012, 20, 821-826. | 0.6 | 18 |
| 26 | Synthesis optimization of pittsburgh compound B by the captive solvent method., 2012,,. | | 1 |
| 27 | Next frontiers in the genetic epidemiology of Alzheimer's disease. European Journal of Epidemiology, 2012, 27, 831-836. | 2.5 | 4 |
| 28 | "lt Ain't Over 'til It's Overâ€ ^{<i>a</i>} â€"The Search for Treatments and Cures for Alz Disease. ACS Medicinal Chemistry Letters, 2012, 3, 862-866. | rheimerâ€ 1.3 | TMS ₁₃ |
| 29 | Prions: A Piece of the Puzzle?. Science, 2012, 337, 1172-1172. | 6.0 | 36 |
| 30 | Advances in the pathogenesis of Alzheimer's disease: a re-evaluation of amyloid cascade hypothesis. Translational Neurodegeneration, 2012, 1, 18. | 3.6 | 94 |
| 31 | Current status of vaccination therapies in Alzheimer's disease. Journal of Neurochemistry, 2012, 123, 647-651. | 2.1 | 14 |
| 32 | Active DNA A 2 42 vaccination as immunotherapy for Alzheimer disease. Translational Neuroscience, 2012, 3, 307-313. | 0.7 | 20 |
| 33 | A protective mutation. Nature, 2012, 488, 38-39. | 13.7 | 20 |
| 34 | Current application of neurochemical biomarkers in the prediction and differential diagnosis of Alzheimer's disease and other neurodegenerative dementias. European Archives of Psychiatry and Clinical Neuroscience, 2012, 262, 71-77. | 1.8 | 24 |
| 36 | Strongly interacting photons. Nature, 2012, 488, 39-40. | 13.7 | 7 |
| 37 | Caspase-9 mediates synaptic plasticity and memory deficits of Danish dementia knock-in mice: caspase-9 inhibition provides therapeutic protection. Molecular Neurodegeneration, 2012, 7, 60. | 4.4 | 19 |
| 38 | BACE1 is at the crossroad of a toxic vicious cycle involving cellular stress and β-amyloid production in Alzheimer's disease. Molecular Neurodegeneration, 2012, 7, 52. | 4.4 | 131 |
| 39 | Sex and gonadal hormones in mouse models of Alzheimer's disease: what is relevant to the human condition?. Biology of Sex Differences, 2012, 3, 24. | 1.8 | 45 |
| 40 | Galactic Cosmic Radiation Leads to Cognitive Impairment and Increased AÎ ² Plaque Accumulation in a Mouse Model of Alzheimer's Disease. PLoS ONE, 2012, 7, e53275. | 1.1 | 171 |

| # | Article | IF | CITATIONS |
|----|--|-----------------|-----------|
| 41 | Gene mutation defends against Alzheimer's disease. Nature, 2012, 487, 153-153. | 13.7 | 23 |
| 42 | The role of amyloidogenic protein oligomerization in neurodegenerative disease. Journal of Molecular Medicine, 2013, 91, 653-664. | 1.7 | 35 |
| 43 | Genetic Determinants of Osteoporosis. , 2013, , 563-604. | | 1 |
| 44 | AZ-4217: A High Potency BACE Inhibitor Displaying Acute Central Efficacy in Different In Vivo Models and Reduced Amyloid Deposition in Tg2576 Mice. Journal of Neuroscience, 2013, 33, 10075-10084. | 1.7 | 39 |
| 45 | Validating therapeutic targets through human genetics. Nature Reviews Drug Discovery, 2013, 12, 581-594. | 21.5 | 548 |
| 46 | Genetic Susceptibility for Alzheimer Disease Neuritic Plaque Pathology. JAMA Neurology, 2013, 70, 1150. | 4.5 | 143 |
| 47 | Decoding Alzheimer's disease from perturbed cerebral glucose metabolism: Implications for diagnostic and therapeutic strategies. Progress in Neurobiology, 2013, 108, 21-43. | 2.8 | 499 |
| 48 | Striking reduction of amyloid plaque burden in an Alzheimer's mouse model after chronic administration of carmustine. BMC Medicine, 2013, 11, 81. | 2.3 | 40 |
| 49 | Amyloidâ€Î² protein (Aβ) Glu11 is the major βâ€secretase site of βâ€site amyloidâ€Î² precursor proteinâ€cleaving 1(BACE1), and shifting the cleavage site to Aβ Asp1 contributes to Alzheimer pathogenesis. European Journal of Neuroscience, 2013, 37, 1962-1969. | g enzyme 1.2 | 68 |
| 50 | Inhibitors of BACE for treating Alzheimer's disease: a fragment-based drug discovery story. Current Opinion in Chemical Biology, 2013, 17, 320-328. | 2.8 | 56 |
| 51 | AÎ ² PP-Selective BACE Inhibitors (ASBI): Novel Class of Therapeutic Agents for Alzheimer's Disease. Journal of Alzheimer's Disease, 2013, 37, 343-355. | 1.2 | 19 |
| 52 | BACE1 as a Therapeutic Target in Alzheimer's Disease: Rationale and Current Status. Drugs and Aging, 2013, 30, 755-764. | 1.3 | 46 |
| 53 | The therapeutics of Alzheimer's disease: Where we stand and where we are heading. Annals of Neurology, 2013, 74, 328-336. | 2.8 | 101 |
| 54 | Metabotropic Glutamate Receptor 5 Is a Coreceptor for Alzheimer $\hat{Al^2}$ Oligomer Bound to Cellular Prion Protein. Neuron, 2013, 79, 887-902. | 3.8 | 485 |
| 55 | A quantitative analysis of spontaneous isoaspartate formation from N-terminal asparaginyl and aspartyl residues. Amino Acids, 2013, 44, 1205-1214. | 1.2 | 13 |
| 56 | FDG PET and the genetics of dementia. Clinical and Translational Imaging, 2013, 1, 235-246. | 1.1 | 2 |
| 57 | Constitutive \hat{l}_{\pm} - and \hat{l}^2 -secretase cleavages of the amyloid precursor protein are partially coupled in neurons, but not in frequently used cell lines. Neurobiology of Disease, 2013, 49, 137-147. | 2.1 | 58 |
| 58 | Absence of A673T amyloid- \hat{l}^2 precursor protein variant in Alzheimer's disease and other neurological diseases. Neurobiology of Aging, 2013, 34, 2441.e7-2441.e8. | 1.5 | 24 |

| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 59 | A Paired RNAi and RabGAP Overexpression Screen Identifies Rab11 as a Regulator of \hat{l}^2 -Amyloid Production. Cell Reports, 2013, 5, 1536-1551. | 2.9 | 120 |
| 60 | A Function for EHD Family Proteins in Unidirectional Retrograde Dendritic Transport of BACE1 and Alzheimer's Disease Áβ Production. Cell Reports, 2013, 5, 1552-1563. | 2.9 | 65 |
| 61 | Hydroxyethylamine-based inhibitors of BACE1: P1–P3 macrocyclization can improve potency, selectivity, and cell activity. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 4459-4464. | 1.0 | 17 |
| 62 | Fibrillar seeds alleviate amyloid- \hat{l}^2 cytotoxicity by omitting formation of higher-molecular-weight oligomers. Biochemical and Biophysical Research Communications, 2013, 439, 321-326. | 1.0 | 13 |
| 63 | SnapShot: Genetics of Alzheimer's Disease. Cell, 2013, 155, 968-968.e1. | 13.5 | 86 |
| 64 | Differential processing of amyloid precursor protein in brain and in peripheral blood leukocytes. Neurobiology of Aging, 2013, 34, 1680-1686. | 1.5 | 14 |
| 65 | Biology and Genetics of Prions Causing Neurodegeneration. Annual Review of Genetics, 2013, 47, 601-623. | 3.2 | 384 |
| 66 | An Involvement of Oxidative Stress in Endoplasmic Reticulum Stress and Its Associated Diseases. International Journal of Molecular Sciences, 2013, 14, 434-456. | 1.8 | 324 |
| 67 | Pharmacologic Inhibition of ROCK2 Suppresses Amyloid- \hat{l}^2 Production in an Alzheimer's Disease Mouse Model. Journal of Neuroscience, 2013, 33, 19086-19098. | 1.7 | 118 |
| 68 | Epigenetics and Complex Traits. , 2013, , . | | 1 |
| 69 | Tracking pathophysiological processes in Alzheimer's disease: an updated hypothetical model of dynamic biomarkers. Lancet Neurology, The, 2013, 12, 207-216. | 4.9 | 3,378 |
| 70 | The airbag problem–a potential culprit for bench-to-bedside translational efforts: relevance for Alzheimer's disease. Acta Neuropathologica Communications, 2013, 1, 62. | 2.4 | 31 |
| 71 | Accelerated tau pathology with synaptic and neuronal loss in a novel triple transgenic mouse model of Alzheimer's disease. Neurobiology of Aging, 2013, 34, 2564-2573. | 1.5 | 55 |
| 72 | Ibuprofen Inhibits the Synaptic Failure Induced by the Amyloid-β Peptide in Hippocampal Neurons. Journal of Alzheimer's Disease, 2013, 35, 463-473. | 1.2 | 16 |
| 73 | The Senescence Hypothesis of Disease Progression in Alzheimer Disease: an Integrated Matrix of Disease Pathways for FAD and SAD. Molecular Neurobiology, 2013, 48, 556-570. | 1.9 | 41 |
| 74 | Caspaseâ $€6$ as a novel early target in the treatment of Alzheimer's disease. European Journal of Neuroscience, 2013, 37, 2005-2018. | 1.2 | 49 |
| 75 | Have we learnt all we need to know from genetic studies - is genetics over in Alzheimer's disease?. Alzheimer's Research and Therapy, 2013, 5, 11. | 3.0 | 4 |
| 76 | Advances in catheter-ablation treatment of AF. Nature Reviews Cardiology, 2013, 10, 63-64. | 6.1 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 77 | Histone acetylation: molecular mnemonics on the chromatin. Nature Reviews Neuroscience, 2013, 14, 97-111. | 4.9 | 512 |
| 78 | 2012: the year in dementia. Lancet Neurology, The, 2013, 12, 4-6. | 4.9 | 7 |
| 79 | Core Refinement toward Permeable \hat{l}^2 -Secretase (BACE-1) Inhibitors with Low hERG Activity. Journal of Medicinal Chemistry, 2013, 56, 4181-4205. | 2.9 | 39 |
| 80 | Microglia: Scapegoat, Saboteur, or Something Else?. Science, 2013, 339, 156-161. | 6.0 | 726 |
| 81 | Variant of < i>TREM2 < /i> Associated with the Risk of Alzheimer's Disease. New England Journal of Medicine, 2013, 368, 107-116. | 13.9 | 2,085 |
| 82 | Resting State Functional Connectivity in Preclinical Alzheimer's Disease. Biological Psychiatry, 2013, 74, 340-347. | 0.7 | 413 |
| 83 | Downregulation of Al ² PP Enhances Both Calcium Content of Endoplasmic Reticulum and Acidic Stores and the Dynamics of Store Operated Calcium Channel Activity. Journal of Alzheimer's Disease, 2013, 34, 407-415. | 1.2 | 14 |
| 84 | Amyloid precursor protein (APP) A673T mutation in the elderly Finnish population. Neurobiology of Aging, 2013, 34, 1518.e1-1518.e3. | 1.5 | 62 |
| 85 | Mitochondrial glutathione: Features, regulation and role in disease. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 3317-3328. | 1.1 | 160 |
| 86 | Further insights into Alzheimer disease pathogenesis. Nature Reviews Neurology, 2013, 9, 65-66. | 4.9 | 27 |
| 87 | ADAM10 Prodomain Mutations Cause Late-Onset Alzheimer's Disease: Not Just the Latest FAD. Neuron, 2013, 80, 250-253. | 3.8 | 26 |
| 88 | From genetic discovery to future personalized health research. New Biotechnology, 2013, 30, 291-295. | 2.4 | 24 |
| 89 | Structure activity relationship studies of tricyclic bispyran sulfone \hat{I}^3 -secretase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 844-849. | 1.0 | 15 |
| 90 | Toward the structure of presenilin/ \hat{l}^3 -secretase and presenilin homologs. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 2886-2897. | 1.4 | 37 |
| 91 | Hereditary vulnerabilities to post-operative cognitive dysfunction and dementia. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2013, 47, 128-134. | 2.5 | 8 |
| 92 | NLRP3 polymorphisms are associated with late-onset Alzheimer's disease in Han Chinese. Journal of Neuroimmunology, 2013, 265, 91-95. | 1.1 | 74 |
| 93 | Discrete Molecular Dynamics Study of Oligomer Formation by N-Terminally Truncated Amyloid β-Protein. Journal of Molecular Biology, 2013, 425, 2260-2275. | 2.0 | 47 |
| 94 | Modeling Human Disease with Pluripotent Stem Cells: from Genome Association to Function. Cell Stem Cell, 2013, 12, 656-668. | 5.2 | 176 |

| # | Article | IF | CITATIONS |
|-----|---|------|-----------|
| 95 | Does the Framingham cardiovascular disease risk score also have predictive utility for dementia death? An individual participant meta-analysis of 11,887 men and women. Atherosclerosis, 2013, 228, 256-258. | 0.4 | 21 |
| 96 | Headache: the changing migraine brain. Lancet Neurology, The, 2013, 12, 6-8. | 4.9 | 10 |
| 97 | Moving towards early clinical trials for amyloid-targeted therapy in Alzheimer's disease. Nature Reviews Drug Discovery, 2013, 12, 324-324. | 21.5 | 63 |
| 98 | Toward the Treatment and Prevention of Alzheimer's Disease: Rational Strategies and Recent Progress. Annual Review of Medicine, 2013, 64, 367-383. | 5.0 | 89 |
| 99 | Inhibition of Glycogen Synthase Kinase-3 Ameliorates β-Amyloid Pathology and Restores Lysosomal Acidification and Mammalian Target of Rapamycin Activity in the Alzheimer Disease Mouse Model. Journal of Biological Chemistry, 2013, 288, 1295-1306. | 1.6 | 193 |
| 100 | Pharmacodynamics of Selective Inhibition of $\langle i \rangle \hat{l}^3 \langle j \rangle$ -Secretase by Avagacestat. Journal of Pharmacology and Experimental Therapeutics, 2013, 344, 686-695. | 1.3 | 59 |
| 101 | BACE2 as a new diabetes target: a patent review (2010 – 2012). Expert Opinion on Therapeutic Patents, 2013, 23, 649-663. | 2.4 | 19 |
| 102 | The missing link in the amyloid cascade of Alzheimer's disease – Metal ions. Neurochemistry International, 2013, 62, 367-378. | 1.9 | 72 |
| 103 | Tau degradation: The ubiquitin–proteasome system versus the autophagy-lysosome system. Progress in Neurobiology, 2013, 105, 49-59. | 2.8 | 280 |
| 104 | Spirocyclic \hat{l}^2 -Site Amyloid Precursor Protein Cleaving Enzyme 1 (BACE1) Inhibitors: From Hit to Lowering of Cerebrospinal Fluid (CSF) Amyloid \hat{l}^2 in a Higher Species. Journal of Medicinal Chemistry, 2013, 56, 3379-3403. | 2.9 | 50 |
| 105 | Developing Therapeutic Antibodies for Neurodegenerative Disease. Neurotherapeutics, 2013, 10, 459-472. | 2.1 | 166 |
| 106 | From synaptic spines to nuclear signaling: nuclear and synaptic actions of the amyloid precursor protein. Journal of Neurochemistry, 2013, 126, 183-190. | 2.1 | 44 |
| 107 | Integrated Systems Approach Identifies Genetic Nodes and Networks in Late-Onset Alzheimer's Disease. Cell, 2013, 153, 707-720. | 13.5 | 1,505 |
| 108 | Structure-Based Design of β-Site APP Cleaving Enzyme 1 (BACE1) Inhibitors for the Treatment of Alzheimer's Disease. Journal of Medicinal Chemistry, 2013, 56, 4156-4180. | 2.9 | 126 |
| 109 | 2012: A watershed year for Alzheimer's disease research. Journal of Nutrition, Health and Aging, 2013, 17, 51-53. | 1.5 | 27 |
| 110 | <scp>A</scp> lzheimer's Disease Biomarkers: More Than Molecular Diagnostics. Drug Development Research, 2013, 74, 92-111. | 1.4 | 6 |
| 111 | Alzheimer's therapeutics: Continued clinical failures question the validity of the amyloid hypothesisâ€"but what lies beyond?. Biochemical Pharmacology, 2013, 85, 289-305. | 2.0 | 181 |
| 112 | Progress in Alzheimer's disease research circa 2013: Is the glass half empty or half full?. Alzheimer's Research and Therapy, 2013, 5, 26. | 3.0 | 1 |

| # | Article | IF | CITATIONS |
|-----|---|-----|-----------|
| 113 | Tau pathology and neurodegeneration. Lancet Neurology, The, 2013, 12, 609-622. | 4.9 | 893 |
| 114 | Origins of amyloid- \hat{l}^2 . BMC Genomics, 2013, 14, 290. | 1.2 | 66 |
| 115 | Development and Mechanism of γ-Secretase Modulators for Alzheimer's Disease. Biochemistry, 2013, 52, 3197-3216. | 1.2 | 158 |
| 116 | Rational heterodoxy: Cholesterol reformation of the amyloid doctrine. Ageing Research Reviews, 2013, 12, 282-288. | 5.0 | 33 |
| 117 | Can tauopathy shake the amyloid cascade hypothesis?. Nature Reviews Neurology, 2013, 9, 356-356. | 4.9 | 7 |
| 118 | Model Peptides Uncover the Role of the \hat{l}^2 -Secretase Transmembrane Sequence in Metal Ion Mediated Oligomerization. Journal of the American Chemical Society, 2013, 135, 19354-19361. | 6.6 | 15 |
| 119 | A conceptual framework and ethics analysis for prevention trials of Alzheimer Disease. Progress in Neurobiology, 2013, 110, 114-123. | 2.8 | 26 |
| 120 | How next-generation sequencing is transforming complex disease genetics. Trends in Genetics, 2013, 29, 23-30. | 2.9 | 70 |
| 121 | COPS5 (Jab1) Protein Increases \hat{l}^2 Site Processing of Amyloid Precursor Protein and Amyloid \hat{l}^2 Peptide Generation by Stabilizing RanBP9 Protein Levels. Journal of Biological Chemistry, 2013, 288, 26688-26677. | 1.6 | 19 |
| 122 | Cognitive Enhancers (Nootropics). Part 2: Drugs Interacting with Enzymes. Journal of Alzheimer's Disease, 2013, 33, 547-658. | 1.2 | 21 |
| 123 | The Arctic AÎ ² PP mutation leads to Alzheimerâ \in TM s disease pathology with highly variable topographic deposition of differentially truncated AÎ ² . Acta Neuropathologica Communications, 2013, 1, 60. | 2.4 | 38 |
| 124 | Editorial (Progress of "Current Alzheimer Research―and Future Direction). Current Alzheimer Research, 2013, 10, 1-3. | 0.7 | 3 |
| 125 | Immunological Aspects and Anti-Amyloid Strategy for Alzheimer's Dementia. Arhiv Za Higijenu Rada I Toksikologiju, 2013, 64, 603-608. | 0.4 | 2 |
| 126 | Improving the Accuracy and Efficiency of Identity-by-Descent Detection in Population Data. Genetics, 2013, 194, 459-471. | 1.2 | 536 |
| 127 | An Expanded Role for Neuroimaging in the Evaluation of Memory Impairment. American Journal of Neuroradiology, 2013, 34, 2075-2082. | 1.2 | 24 |
| 128 | Clinical, Biological, and Imaging Features of Monogenic Alzheimer's Disease. BioMed Research International, 2013, 2013, 1-9. | 0.9 | 27 |
| 129 | Genetic Architecture of Vitamin B12 and Folate Levels Uncovered Applying Deeply Sequenced Large Datasets. PLoS Genetics, 2013, 9, e1003530. | 1.5 | 112 |
| 130 | Assessing association between protein truncating variants and quantitative traits. Bioinformatics, 2013, 29, 2419-2426. | 1.8 | 12 |

| # | Article | IF | CITATIONS |
|-----|---|-----|-----------|
| 131 | A Profile of Residents in Prairie Nursing Homes. Canadian Journal on Aging, 2013, 32, 223-231. | 0.6 | 31 |
| 132 | Structure-activity relationship of memapsin 2: implications on physiological functions and Alzheimer's disease. Acta Biochimica Et Biophysica Sinica, 2013, 45, 613-621. | 0.9 | 2 |
| 133 | Targeting ApoE4/ApoE receptor LRP1 in Alzheimer's disease. Expert Opinion on Therapeutic Targets, 2013, 17, 781-794. | 1.5 | 34 |
| 134 | Targeting ubiquilin-1 in Alzheimer's disease . Expert Opinion on Therapeutic Targets, 2013, 17, 795-810. | 1.5 | 13 |
| 135 | New Genes and New Insights from Old Genes. CONTINUUM Lifelong Learning in Neurology, 2013, 19, 358-371. | 0.4 | 15 |
| 136 | In search of low-frequency and rare variants affecting complex traits. Human Molecular Genetics, 2013, 22, R16-R21. | 1.4 | 70 |
| 138 | Increased in Vivo Amyloid- \hat{l}^2 42 Production, Exchange, and Loss in Presenilin Mutation Carriers. Science Translational Medicine, 2013, 5, 189ra77. | 5.8 | 196 |
| 139 | Epigenome-Wide Association Studies: Potential Insights into Human Disease. , 2013, , 287-317. | | 3 |
| 140 | Genetics of Alzheimer's Disease. BioMed Research International, 2013, 2013, 1-13. | 0.9 | 75 |
| 141 | Advantageous Uses of Mass Spectrometry for the Quantification of Proteins. International Journal of Proteomics, 2013, 2013, 1-6. | 2.0 | 24 |
| 142 | Advances in the identification of \hat{l}^2 -secretase inhibitors. Expert Opinion on Drug Discovery, 2013, 8, 709-731. | 2.5 | 29 |
| 143 | Family history of psychosis moderates early auditory cortical response abnormalities in nonâ€psychotic bipolar disorder. Bipolar Disorders, 2013, 15, 774-786. | 1.1 | 18 |
| 144 | Amgen punts on deCODE's genetics know-how. Nature Biotechnology, 2013, 31, 87-88. | 9.4 | 4 |
| 145 | Molecular Pathology of Alzheimer's Disease. Colloquium Series on Neurobiology of Alzheimer S Disease, 2013, 1, 1-91. | 0.0 | 4 |
| 146 | Next generation therapeutics for Alzheimer's disease. EMBO Molecular Medicine, 2013, 5, 795-798. | 3.3 | 21 |
| 147 | Diseaseâ€modifying therapy for Alzheimer's disease: Challenges and hopes. Neurology and Clinical Neuroscience, 2013, 1, 49-54. | 0.2 | 9 |
| 148 | Coalition Against Major Diseases: Precompetitive Collaborations and Regulatory Paths to Accelerating Drug Development for Neurodegenerative Diseases. Therapeutic Innovation and Regulatory Science, 2013, 47, 632-638. | 0.8 | 7 |
| 149 | Genetic and Nongenetic Variation Revealed for the Principal Components of Human Gene Expression. Genetics, 2013, 195, 1117-1128. | 1.2 | 23 |

| # | Article | IF | Citations |
|-----|---|------|-----------|
| 150 | Semagacestat's fall: where next for AD therapies?. Nature Medicine, 2013, 19, 1214-1215. | 15.2 | 18 |
| 151 | Cerebrospinal Aβ11-x and 17-x levels as indicators of mild cognitive impairment and patients' stratification in Alzheimer's disease. Translational Psychiatry, 2013, 3, e281-e281. | 2.4 | 13 |
| 152 | Aftins Increase Amyloid- \hat{l}^2 42, Lower Amyloid- \hat{l}^2 38, and Do Not Alter Amyloid- \hat{l}^2 40 Extracellular Production in vitro: Toward a Chemical Model of Alzheimer's Disease?. Journal of Alzheimer's Disease, 2013, 35, 107-120. | 1,2 | 18 |
| 155 | Nutrition and ageing: knowledge, gaps and research priorities. Proceedings of the Nutrition Society, 2013, 72, 246-250. | 0.4 | 50 |
| 156 | Is Sporadic Alzheimer's Disease Associated with Diphtheria Toxin?. Journal of Alzheimer's Disease, 2013, 34, 595-600. | 1.2 | 6 |
| 157 | Anti-amyloid-beta to tau-based immunization: developments in immunotherapy for Alzheimer's disease. ImmunoTargets and Therapy, 2013, 2013, 105. | 2.7 | 32 |
| 158 | Prevention of Alzheimer's Disease: Intervention Studies. , 0, , . | | 1 |
| 159 | Modulators of \hat{l}^3 -Secretase Activity Can Facilitate the Toxic Side-Effects and Pathogenesis of Alzheimer's Disease. PLoS ONE, 2013, 8, e50759. | 1.1 | 31 |
| 160 | GPR3 Stimulates A \hat{l}^2 Production via Interactions with APP and \hat{l}^2 -Arrestin2. PLoS ONE, 2013, 8, e74680. | 1.1 | 32 |
| 161 | Alzheimer's Disease: Analyzing the Missing Heritability. PLoS ONE, 2013, 8, e79771. | 1.1 | 257 |
| 162 | A tale of two drug targets: the evolutionary history of BACE1 and BACE2. Frontiers in Genetics, 2013, 4, 293. | 1.1 | 17 |
| 163 | β-Amyloid oligomers in aging and Alzheimer's disease. Frontiers in Aging Neuroscience, 2013, 5, 28. | 1.7 | 54 |
| 164 | Genomic and Epigenomic Insights into Nutrition and Brain Disorders. Nutrients, 2013, 5, 887-914. | 1.7 | 68 |
| 165 | Metal Dyshomeostasis and Inflammation in Alzheimer's and Parkinson's Diseases: Possible Impact of Environmental Exposures. Oxidative Medicine and Cellular Longevity, 2013, 2013, 1-19. | 1.9 | 99 |
| 166 | Emerging Therapeutic Strategies in Alzheimer's Disease. , 0, , . | | 1 |
| 167 | Genetic Inhibition of Phosphorylation of the Translation Initiation Factor eIF2α Does Not Block Aβ-Dependent Elevation of BACE1 and APP Levels or Reduce Amyloid Pathology in a Mouse Model of Alzheimer's Disease. PLoS ONE, 2014, 9, e101643. | 1.1 | 31 |
| 168 | The TRiC/CCT Chaperone Is Implicated in Alzheimer's Disease Based on Patient GWAS and an RNAi Screen in $\hat{Al^2}$ -Expressing Caenorhabditis elegans. PLoS ONE, 2014, 9, e102985. | 1.1 | 34 |
| 169 | APP Is Cleaved by Bace1 in Pre-Synaptic Vesicles and Establishes a Pre-Synaptic Interactome, via Its Intracellular Domain, with Molecular Complexes that Regulate Pre-Synaptic Vesicles Functions. PLoS ONE, 2014, 9, e108576. | 1.1 | 54 |

| # | Article | IF | CITATIONS |
|-----|---|-----|-----------|
| 170 | Clinical Genetics of Alzheimer's Disease. BioMed Research International, 2014, 2014, 1-10. | 0.9 | 39 |
| 171 | Glutathione and mitochondria. Frontiers in Pharmacology, 2014, 5, 151. | 1.6 | 401 |
| 172 | Genomic insights into the etiology of Alzheimer's disease: a review. Advances in Genomics and Genetics, 0, , 59. | 0.8 | 1 |
| 174 | Genomics in Neurological Disorders. Genomics, Proteomics and Bioinformatics, 2014, 12, 156-163. | 3.0 | 23 |
| 175 | Biomarkers of Alzheimer's disease. , 2014, , 801-815. | | 0 |
| 176 | The central molecular clock is robust in the face of behavioural arrhythmia in a <i>Drosophila</i> model of Alzheimer's disease. DMM Disease Models and Mechanisms, 2014, 7, 445-58. | 1.2 | 44 |
| 178 | Alzheimer's Disease Genetics. Current Behavioral Neuroscience Reports, 2014, 1, 191-196. | 0.6 | 8 |
| 179 | PLD3 is accumulated on neuritic plaques in Alzheimer's disease brains. Alzheimer's Research and Therapy, 2014, 6, 70. | 3.0 | 37 |
| 180 | Atg16L1 T300A variant decreases selective autophagy resulting in altered cytokine signaling and decreased antibacterial defense. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7741-7746. | 3.3 | 298 |
| 181 | Inconsistencies and Controversies Surrounding the Amyloid Hypothesis of Alzheimer's Disease. Acta Neuropathologica Communications, 2014, 2, 135. | 2.4 | 246 |
| 182 | Clearing the amyloid in Alzheimer's: progress towards earlier diagnosis and effective treatments $\hat{a} \in \text{``an}$ update for clinicians. Neurodegenerative Disease Management, 2014, 4, 363-378. | 1.2 | 20 |
| 183 | <i>N</i> -(3-(2-amino-6,6-difluoro-4,4a,5,6,7,7a-hexahydro-cyclopenta[e][1,3]oxazin-4-yl)-phenyl)-amides as BACE1 inhibitors: a patent evaluation of WO2013041499. Expert Opinion on Therapeutic Patents, 2014, 24, 239-242. | 2.4 | 3 |
| 184 | The Hippocampus in Neurodegenerative Disease. Frontiers of Neurology and Neuroscience, 2014, 34, 95-108. | 3.0 | 100 |
| 185 | Specific antibody binding to the APP672–699 region shifts APP processing from α- to β-cleavage. Cell Death and Disease, 2014, 5, e1374-e1374. | 2.7 | 9 |
| 186 | Personalized sequencing and the future of medicine: discovery, diagnosis and defeat of disease. Pharmacogenomics, 2014, 15, 1771-1790. | 0.6 | 66 |
| 187 | The Epidemiology and Prevention of Alzheimer's Disease and Projected Burden of Disease. , 2014, , 3-20. | | 0 |
| 188 | Identification of rare variants in Alzheimerââ,¬â"¢s disease. Frontiers in Genetics, 2014, 5, 369. | 1.1 | 30 |
| 189 | Axonal BACE1 dynamics and targeting in hippocampal neurons: a role for Rab11 GTPase. Molecular Neurodegeneration, 2014, 9, 1. | 4.4 | 130 |

| # | Article | IF | CITATIONS |
|-----|---|------|-----------|
| 190 | An effective treatment for Alzheimer's disease must consider both amyloid and tau. Bioscience Horizons, 2014, 7, hzu002-hzu002. | 0.6 | 28 |
| 191 | Towards Small Molecules as Therapies for Alzheimer's Disease and Other Neurodegenerative Disorders. , 2014, , 199-290. | | 2 |
| 192 | BACE1 Inhibitors: Attractive Therapeutics for Alzheimer's Disease. , 2014, , 518-546. | | 0 |
| 193 | RNA-Seq Data Mining: Downregulation of NeuroD6 Serves as a Possible Biomarker for Alzheimer's Disease Brains. Disease Markers, 2014, 2014, 1-10. | 0.6 | 36 |
| 194 | Derailed Intraneuronal Signalling Drives Pathogenesis in Sporadic and Familial Alzheimer's Disease. BioMed Research International, 2014, 2014, 1-14. | 0.9 | 8 |
| 195 | Genomic View of Bipolar Disorder Revealed by Whole Genome Sequencing in a Genetic Isolate. PLoS Genetics, 2014, 10, e1004229. | 1.5 | 69 |
| 196 | Distribution and Medical Impact of Loss-of-Function Variants in the Finnish Founder Population. PLoS Genetics, 2014, 10, e1004494. | 1.5 | 351 |
| 197 | ABCC5, a Gene That Influences the Anterior Chamber Depth, Is Associated with Primary Angle Closure Glaucoma. PLoS Genetics, 2014, 10, e1004089. | 1.5 | 68 |
| 198 | Use of Caenorhabditis elegans as a model to study Alzheimer \tilde{A} ¢ \hat{a} , $\neg \hat{a}$, φ s disease and other neurodegenerative diseases. Frontiers in Genetics, 2014, 5, 279. | 1.1 | 242 |
| 199 | Unlocking truths of \hat{l}^3 -secretase in Alzheimer's disease: what is the translational potential?. Future Neurology, 2014, 9, 419-429. | 0.9 | 12 |
| 200 | Genetic characterization of Greek population isolates reveals strong genetic drift at missense and trait-associated variants. Nature Communications, 2014, 5, 5345. | 5.8 | 60 |
| 201 | Function, therapeutic potential and cell biology of <scp>BACE</scp> proteases: current status and future prospects. Journal of Neurochemistry, 2014, 130, 4-28. | 2.1 | 269 |
| 202 | New genetic and epigenetic approaches in gerontology. Advances in Gerontology, 2014, 4, 238-246. | 0.1 | 4 |
| 203 | The Spleen Tyrosine Kinase (Syk) Regulates Alzheimer Amyloid-β Production and Tau Hyperphosphorylation. Journal of Biological Chemistry, 2014, 289, 33927-33944. | 1.6 | 84 |
| 204 | Rare variants and autoimmune disease. Briefings in Functional Genomics, 2014, 13, 392-397. | 1.3 | 5 |
| 205 | Potential novel targets for Alzheimer pharmacotherapy: II. Update on secretase inhibitors and related approaches. Journal of Clinical Pharmacy and Therapeutics, 2014, 39, 25-37. | 0.7 | 58 |
| 206 | A rare mutation in UNC5C predisposes to late-onset Alzheimer's disease and increases neuronal cell death. Nature Medicine, 2014, 20, 1452-1457. | 15.2 | 116 |
| 207 | 8-Tetrahydropyran-2-yl Chromans: Highly Selective Beta-Site Amyloid Precursor Protein Cleaving Enzyme 1 (BACE1) Inhibitors. Journal of Medicinal Chemistry, 2014, 57, 10112-10129. | 2.9 | 17 |

| # | Article | IF | CITATIONS |
|-----|---|-----------|------------|
| 208 | Investigating the role of rare coding variability in Mendelian dementia genes (APP, PSEN1, PSEN2, GRN) Tj ETQc | 0.00 rgBT | Qverlock 1 |
| 209 | Coding variants in TREM2 increase risk for Alzheimer's disease. Human Molecular Genetics, 2014, 23, 5838-5846. | 1.4 | 263 |
| 210 | Assembly of Amyloid β-Protein Variants Containing Familial Alzheimer's Disease-Linked Amino Acid Substitutions. , 2014, , 429-442. | | 9 |
| 211 | Amyloidâ€ÃŸâ€directed immunotherapy for Alzheimer's disease. Journal of Internal Medicine, 2014, 275, 284-295. | 2.7 | 129 |
| 212 | Failure analysis of clinical trials to test the amyloid hypothesis. Annals of Neurology, 2014, 76, 159-161. | 2.8 | 14 |
| 213 | Effect of Potent γ-Secretase Modulator in Human Neurons Derived From Multiple Presenilin 1–Induced Pluripotent Stem Cell Mutant Carriers. JAMA Neurology, 2014, 71, 1481. | 4.5 | 84 |
| 214 | Decreased CALM expression reduces AÎ 2 42 to total AÎ 2 ratio through clathrin-mediated endocytosis of Î 3 -secretase. Nature Communications, 2014, 5, 3386. | 5.8 | 78 |
| 215 | Î ³ -Secretase Modulators. Progress in Medicinal Chemistry, 2014, 53, 101-145. | 4.1 | 44 |
| 216 | BACE1 inhibitor drugs in clinical trials for Alzheimer's disease. Alzheimer's Research and Therapy, 2014, 6, 89. | 3.0 | 322 |
| 217 | Triptolide treatment reduces Alzheimer's disease (AD)-like pathology through inhibition of BACE1 in a transgenic mouse model of AD. DMM Disease Models and Mechanisms, 2014, 7, 1385-1395. | 1.2 | 50 |
| 218 | An Antidepressant Decreases CSF $\hat{Al^2}$ Production in Healthy Individuals and in Transgenic AD Mice. Science Translational Medicine, 2014, 6, 236re4. | 5.8 | 142 |
| 219 | A Death Receptor 6-Amyloid Precursor Protein Pathway Regulates Synapse Density in the Mature CNS But Does Not Contribute to Alzheimer's Disease-Related Pathophysiology in Murine Models. Journal of Neuroscience, 2014, 34, 6425-6437. | 1.7 | 48 |
| 220 | $\tilde{A}\check{Z}\hat{A}^2$ -secretase inhibitor; a promising novel therapeutic drug in Alzheimer $\tilde{A}^{\hat{\varphi}}$, $\tilde{A}^{\hat{\varphi}}$, disease. Frontiers in Aging Neuroscience, 2014, 6, 165. | 1.7 | 118 |
| 222 | Communication is the key Journal of Cell Communication and Signaling, 2014, 8, 275-287. | 1.8 | 4 |
| 223 | Insulin resistance, neuroinflammation, and Alzheimer's disease. Reviews in the Neurosciences, 2014, 25, 509-25. | 1.4 | 51 |
| 224 | Reducing Pervasive False-Positive Identical-by-Descent Segments Detected by Large-Scale Pedigree Analysis. Molecular Biology and Evolution, 2014, 31, 2212-2222. | 3.5 | 44 |
| 225 | Critical analysis of the use of β-site amyloid precursor protein-cleaving enzyme 1 inhibitors in the treatment of Alzheimer's disease. Degenerative Neurological and Neuromuscular Disease, 2014, 4, 1. | 0.7 | 7 |
| 226 | Biomarkers in pharmacology and drug discovery. Biochemical Pharmacology, 2014, 87, 172-188. | 2.0 | 56 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 227 | Amyloid- \hat{l}^2 diurnal pattern: possible role of sleep in Alzheimer's disease pathogenesis. Neurobiology of Aging, 2014, 35, S29-S34. | 1.5 | 124 |
| 228 | Absence of A673T variant in APP gene indicates an alternative protective mechanism contributing to longevity in Chinese individuals. Neurobiology of Aging, 2014, 35, 935.e11-935.e12. | 1.5 | 27 |
| 230 | Genetics of dementia. Lancet, The, 2014, 383, 828-840. | 6.3 | 253 |
| 231 | Considering a new paradigm for Alzheimer's disease research. Drug Discovery Today, 2014, 19, 1114-1124. | 3.2 | 33 |
| 232 | The dendritic hypothesis for Alzheimer's disease pathophysiology. Brain Research Bulletin, 2014, 103, 18-28. | 1.4 | 89 |
| 233 | Population PKPD Modeling of BACE1 Inhibitor-Induced Reduction in $\hat{Al^2}$ Levels In Vivo and Correlation to In Vitro Potency in Primary Cortical Neurons from Mouse and Guinea Pig. Pharmaceutical Research, 2014, 31, 670-683. | 1.7 | 9 |
| 234 | Genetic analysis of quantitative phenotypes in AD and MCI: imaging, cognition and biomarkers. Brain Imaging and Behavior, 2014, 8, 183-207. | 1.1 | 161 |
| 235 | Neurodegenerative Diseases. , 2014, , . | | 3 |
| 236 | A mutation protective against Alzheimer's disease renders amyloid \hat{l}^2 precursor protein incapable of mediating neurotoxicity. Journal of Neurochemistry, 2014, 130, 291-300. | 2.1 | 17 |
| 237 | Investigation of an amyloid precursor protein protective mutation (A673T) in a North American case-control sample of late-onset Alzheimer's disease. Neurobiology of Aging, 2014, 35, 1779.e15-1779.e16. | 1.5 | 28 |
| 238 | iPS cells: a game changer for future medicine. EMBO Journal, 2014, 33, 409-417. | 3.5 | 374 |
| 239 | Calcium dysregulation, and lithium treatment to forestall Alzheimer's disease – a merging of hypotheses. Cell Calcium, 2014, 55, 175-181. | 1.1 | 19 |
| 240 | Pharmacological chaperones stabilize retromer to limit APP processing. Nature Chemical Biology, 2014, 10, 443-449. | 3.9 | 189 |
| 241 | Genetic markers for diagnosis and pathogenesis of Alzheimer's disease. Gene, 2014, 545, 185-193. | 1.0 | 109 |
| 242 | Understanding the cause of sporadic Alzheimer's disease. Expert Review of Neurotherapeutics, 2014, 14, 621-630. | 1.4 | 47 |
| 243 | New Mouse Model of Alzheimer's. ACS Chemical Neuroscience, 2014, 5, 499-502. | 1.7 | 70 |
| 244 | Genome-scale neurogenetics: methodology and meaning. Nature Neuroscience, 2014, 17, 756-763. | 7.1 | 82 |
| 245 | The evolution of amidine-based brain penetrant BACE1 inhibitors. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 2033-2045. | 1.0 | 138 |

| # | Article | IF | CITATIONS |
|-----|--|----------------------|-------------------------|
| 246 | Revitalizing Psychiatric Therapeutics. Neuropsychopharmacology, 2014, 39, 220-229. | 2.8 | 76 |
| 247 | Rare coding variants in the phospholipase D3 gene confer risk for Alzheimer's disease. Nature, 2014, 505, 550-554. | 13.7 | 425 |
| 248 | Understanding Amyloid Fibril Nucleation and A \hat{l}^2 Oligomer/Drug Interactions from Computer Simulations. Accounts of Chemical Research, 2014, 47, 603-611. | 7.6 | 118 |
| 249 | Discovery of 7-Tetrahydropyran-2-yl Chromans: \hat{l}^2 -Site Amyloid Precursor Protein Cleaving Enzyme 1 (BACE1) Inhibitors That Reduce Amyloid \hat{l}^2 -Protein (A \hat{l}^2) in the Central Nervous System. Journal of Medicinal Chemistry, 2014, 57, 878-902. | 2.9 | 36 |
| 250 | Integrating the molecular and the population approaches to dementia research to help guide the future development of appropriate therapeutics. Biochemical Pharmacology, 2014, 88, 652-660. | 2.0 | 6 |
| 251 | Common and low-frequency variants associated with genome-wide recombination rate. Nature Genetics, 2014, 46, 11-16. | 9.4 | 116 |
| 252 | Familial Alzheimer A2 V Mutation Reduces the Intrinsic Disorder and Completely Changes the Free Energy Landscape of the Aβ1–28 Monomer. Journal of Physical Chemistry B, 2014, 118, 501-510. | 1.2 | 65 |
| 253 | The Inside-Out Amyloid Hypothesis and Synapse Pathology in Alzheimer's Disease. Neurodegenerative Diseases, 2014, 13, 142-146. | 0.8 | 26 |
| 254 | Disease variants in genomes of 44 centenarians. Molecular Genetics & Enomic Medicine, 2014, 2, 438-450. | 0.6 | 58 |
| 255 | The Evolution of Preclinical Alzheimer's Disease: Implications for Prevention Trials. Neuron, 2014, 84, 608-622. | 3.8 | 568 |
| 256 | Pharmacological inhibition of O-GlcNAcase (OGA) prevents cognitive decline and amyloid plaque formation in bigenic tau/APP mutant mice. Molecular Neurodegeneration, 2014, 9, 42. | 4.4 | 114 |
| 257 | Lead Optimization and Modulation of hERG Activity in a Series of Aminooxazoline Xanthene \hat{l}^2 -Site Amyloid Precursor Protein Cleaving Enzyme (BACE1) Inhibitors. Journal of Medicinal Chemistry, 2014, 57, 9796-9810. | 2.9 | 36 |
| 258 | Pedigree Structure and Kinship Measurements of a Mid-Michigan Community: A New North American Population Isolate Identified. Human Biology, 2014, 86, 59-68. | 0.4 | 1 |
| 259 | Crown ethers attenuate aggregation of amyloid beta of Alzheimer's disease. Chemical Communications, 2014, 50, 15792-15795. | 2.2 | 26 |
| 260 | Genetics of Alzheimer's Disease. Advances in Genetics, 2014, 87, 245-294. | 0.8 | 159 |
| 261 | The Alzheimer Disease Protective Mutation A2T Modulates Kinetic and Thermodynamic Properties of Amyloid- \hat{l}^2 (A \hat{l}^2) Aggregation. Journal of Biological Chemistry, 2014, 289, 30977-30989. | 1.6 | 132 |
| 262 | Inhibitors of β-Site Amyloid Precursor Protein Cleaving Enzyme (BACE1): Identification of (<i>S</i>)-7-(2-Fluoropyridin-3-yl)-3-((3-methyloxetan-3-yl)ethynyl)-5′ <i>H</i> -spiro[chromeno[2,3- <i>b</i>)[AMG-8718). Journal of Medicinal Chemistry, 2014, 57, 9811-9831. | yri dia e-5,4 | łâ €34 oxazol]-2 |
| 263 | Rare and low-frequency variants in human common diseases and other complex traits. Journal of Medical Genetics, 2014, 51, 705-714. | 1.5 | 29 |

| # | Article | IF | CITATIONS |
|---------------------------------|--|--------------------------|-----------------------------|
| 264 | Molecular Mechanisms of Alzheimer Disease Protection by the A673T Allele of Amyloid Precursor Protein. Journal of Biological Chemistry, 2014, 289, 30990-31000. | 1.6 | 153 |
| 265 | Novel APP K724M mutation causes Chinese early-onset familial Alzheimer's disease and increases amyloid-Î ² 42 to amyloid-Î ² 40 ratio. Neurobiology of Aging, 2014, 35, 2657.e1-2657.e6. | 1.5 | 14 |
| 266 | Alzheimer's Disease, Anesthesia, and Surgery: A Clinically Focused Review. Journal of Cardiothoracic and Vascular Anesthesia, 2014, 28, 1609-1623. | 0.6 | 39 |
| 267 | CSF in Alzheimer's Disease. Advances in Clinical Chemistry, 2014, 65, 143-172. | 1.8 | 19 |
| 268 | Rare-Variant Association Analysis: Study Designs and Statistical Tests. American Journal of Human Genetics, 2014, 95, 5-23. | 2.6 | 837 |
| 269 | Insight into the Inhibition Effect of Acidulated Serum Albumin on Amyloid \hat{l}^2 -Protein Fibrillogenesis and Cytotoxicity. Langmuir, 2014, 30, 9789-9796. | 1.6 | 36 |
| 270 | Alzheimer's disease: still a perplexing problem. BMJ, The, 2014, 349, g4433-g4433. | 3.0 | 9 |
| 271 | Using population isolates in genetic association studies. Briefings in Functional Genomics, 2014, 13, 371-377. | 1.3 | 82 |
| 272 | Human stem cell models of dementia. Human Molecular Genetics, 2014, 23, R35-R39. | 1.4 | 23 |
| | | | |
| 273 | Preventing Alzheimer's Disease. , 2014, , 33-46. | | 1 |
| 273 274 | Preventing Alzheimer's Disease. , 2014, , 33-46. CNS Amyloid-Â, Soluble APP-Â and -Â Kinetics during BACE Inhibition. Journal of Neuroscience, 2014, 34, 8336-8346. | 1.7 | 33 |
| | CNS Amyloid-Â, Soluble APP-Â and -Â Kinetics during BACE Inhibition. Journal of Neuroscience, 2014, 34, | 1.7 | |
| 274 | CNS Amyloid-Â, Soluble APP-Â and -Â Kinetics during BACE Inhibition. Journal of Neuroscience, 2014, 34, 8336-8346. Interpreting Alzheimer's disease clinical trials in light of the effects on amyloid-β. Alzheimer's | | 33 |
| 274 276 | CNS Amyloid-Â, Soluble APP-Â and -Â Kinetics during BACE Inhibition. Journal of Neuroscience, 2014, 34, 8336-8346. Interpreting Alzheimer's disease clinical trials in light of the effects on amyloid-β. Alzheimer's Research and Therapy, 2014, 6, 14. Perspectives on future Alzheimer therapies: amyloid-β protofibrils - a new target for immunotherapy | 3.0 | 33 |
| 274 276 277 | CNS Amyloid-Â, Soluble APP-Â and -Â Kinetics during BACE Inhibition. Journal of Neuroscience, 2014, 34, 8336-8346. Interpreting Alzheimer's disease clinical trials in light of the effects on amyloid-β. Alzheimer's Research and Therapy, 2014, 6, 14. Perspectives on future Alzheimer therapies: amyloid-β protofibrils - a new target for immunotherapy with BAN2401 in Alzheimer's disease. Alzheimer's Research and Therapy, 2014, 6, 16. Intracellular amyloid and the neuronal origin of Alzheimer neuritic plaques. Neurobiology of | 3.0 | 33 30 120 |
| 274 276 277 279 | CNS Amyloid-Â, Soluble APP-Â and -Â Kinetics during BACE Inhibition. Journal of Neuroscience, 2014, 34, 8336-8346. Interpreting Alzheimer's disease clinical trials in light of the effects on amyloid-β. Alzheimer's Research and Therapy, 2014, 6, 14. Perspectives on future Alzheimer therapies: amyloid-β protofibrils - a new target for immunotherapy with BAN2401 in Alzheimer's disease. Alzheimer's Research and Therapy, 2014, 6, 16. Intracellular amyloid and the neuronal origin of Alzheimer neuritic plaques. Neurobiology of Disease, 2014, 71, 53-61. The Earlier the Better: Alzheimer's Prevention, Early Detection, and the Quest for Pharmacological | 3.0 3.0 2.1 | 33 30 120 85 |
| 274 276 277 279 280 | CNS Amyloid-Â, Soluble APP-Â and -Â Kinetics during BACE Inhibition. Journal of Neuroscience, 2014, 34, 8336-8346. Interpreting Alzheimer's disease clinical trials in light of the effects on amyloid-β. Alzheimer's Research and Therapy, 2014, 6, 14. Perspectives on future Alzheimer therapies: amyloid-β protofibrils - a new target for immunotherapy with BAN2401 in Alzheimer's disease. Alzheimer's Research and Therapy, 2014, 6, 16. Intracellular amyloid and the neuronal origin of Alzheimer neuritic plaques. Neurobiology of Disease, 2014, 71, 53-61. The Earlier the Better: Alzheimer's Prevention, Early Detection, and the Quest for Pharmacological Interventions. Culture, Medicine and Psychiatry, 2014, 38, 217-236. | 3.0 3.0 2.1 0.7 | 33 30 120 85 23 |

| # | Article | IF | CITATIONS |
|-----|--|------|-----------|
| 284 | A novel Aβ-fibrinogen interaction inhibitor rescues altered thrombosis and cognitive decline in Alzheimer's disease mice. Journal of Experimental Medicine, 2014, 211, 1049-1062. | 4.2 | 94 |
| 285 | Alzheimer's Disease Genetics: From the Bench to the Clinic. Neuron, 2014, 83, 11-26. | 3.8 | 396 |
| 286 | Exome Sequencing: New Insights into Lipoprotein Disorders. Current Cardiology Reports, 2014, 16, 507. | 1.3 | 17 |
| 287 | Cerebrospinal fluid biomarkers of Alzheimer's disease. Neuroscience Bulletin, 2014, 30, 233-242. | 1.5 | 16 |
| 288 | Apolipoprotein E, amyloid-beta, and neuroinflammation in Alzheimer's disease. Neuroscience Bulletin, 2014, 30, 317-330. | 1.5 | 77 |
| 289 | Late-Onset Alzheimer's Disease Genes and the Potentially Implicated Pathways. Current Genetic Medicine Reports, 2014, 2, 85-101. | 1.9 | 134 |
| 290 | Rare Variants and Transcriptomics in Alzheimer disease. Current Genetic Medicine Reports, 2014, 2, 75-84. | 1.9 | 9 |
| 291 | Latest treatment options for Alzheimer's disease, Parkinson's disease dementia and dementia with Lewy bodies. Expert Opinion on Pharmacotherapy, 2014, 15, 1797-1810. | 0.9 | 50 |
| 292 | Soluble amyloid precursor proteins and secretases as Alzheimer's disease biomarkers. Trends in Molecular Medicine, 2014, 20, 8-15. | 3.5 | 35 |
| 293 | Perspective on future role of biological markers in clinical therapy trials of Alzheimer's disease: A long-range point of view beyond 2020. Biochemical Pharmacology, 2014, 88, 426-449. | 2.0 | 105 |
| 294 | Creation of Novel Cores for \hat{l}^2 -Secretase (BACE-1) Inhibitors: A Multiparameter Lead Generation Strategy. ACS Medicinal Chemistry Letters, 2014, 5, 440-445. | 1.3 | 12 |
| 295 | Targeting the \hat{I}^2 secretase BACE1 for Alzheimer's disease therapy. Lancet Neurology, The, 2014, 13, 319-329. | 4.9 | 527 |
| 296 | Simulation of Finnish Population History, Guided by Empirical Genetic Data, to Assess Power of Rare-Variant Tests in Finland. American Journal of Human Genetics, 2014, 94, 710-720. | 2.6 | 24 |
| 297 | Amyloid-beta and Alzheimer \tilde{A} ¢ \hat{a} , \hat{a} , \hat{c} s disease: the role of neprilysin-2 in amyloid-beta clearance. Frontiers in Aging Neuroscience, 2014, 6, 187. | 1.7 | 63 |
| 299 | Pedigree Structure and Kinship Measurements of a Mid-Michigan Community: A New North American Population Isolate Identified. Human Biology, 2014, 86, 59. | 0.4 | 0 |
| 301 | P2-030: INVESTIGATING THE ROLE OF CLU, PICALM, AND CR1 IN ALZHEIMER'S DISEASE., 2014, 10, P481-P481. | | O |
| 304 | Alzheimer's disease. Nature Reviews Disease Primers, 2015, 1, 15056. | 18.1 | 1,210 |
| 305 | Activity-Dependent Neuroprotective Protein (ADNP): A Case Study for Highly Conserved Chordata-Specific Genes Shaping the Brain and Mutated in Cancer. Journal of Alzheimer's Disease, 2015, 45, 57-73. | 1.2 | 44 |

| # | Article | IF | CITATIONS |
|-----|---|-----|-----------|
| 306 | Upregulation effects of Tanshinone IIA on the expressions of NeuN, Nissl body, and lκB and downregulation effects on the expressions of GFAP and NF-κB in the brain tissues of rat models of Alzheimer's disease. NeuroReport, 2015, 26, 758-766. | 0.6 | 51 |
| 307 | Lamotrigine Reduces \hat{l}^2 -Site A \hat{l}^2 PP-Cleaving Enzyme 1 Protein Levels Through Induction of Autophagy. Journal of Alzheimer's Disease, 2015, 46, 863-876. | 1.2 | 25 |
| 308 | The role of proteotoxic stress in vascular dysfunction in the pathogenesis of Alzheimer's disease. Endoplasmic Reticulum Stress in Diseases, 2015, 2, . | 0.2 | 1 |
| 309 | Models of biobanks and implications for reproductive health innovation. Monash Bioethics Review, 2015, 33, 238-257. | 0.4 | 7 |
| 310 | Commentary on models of biobanks and implications for reproductive health innovation. Monash Bioethics Review, 2015, 33, 258-264. | 0.4 | 1 |
| 311 | Multiple SNP Set Analysis for Genomeâ€Wide Association Studies Through Bayesian Latent Variable Selection. Genetic Epidemiology, 2015, 39, 664-677. | 0.6 | 19 |
| 312 | The age factor in Alzheimer's disease. Genome Medicine, 2015, 7, 106. | 3.6 | 271 |
| 313 | The A673T mutation in the amyloid precursor protein reduces the production of \hat{l}^2 -amyloid protein from its \hat{l}^2 -carboxyl terminal fragment in cells. Acta Neuropathologica Communications, 2015, 3, 66. | 2.4 | 19 |
| 314 | A Versatile Approach to CF ₃ â€Containing 2â€Pyrrolidones by Tandem Michael Addition–Cyclization: Exemplification in the Synthesis of Amidine Class BACE1 Inhibitors. Chemistry - A European Journal, 2015, 21, 11719-11726. | 1.7 | 16 |
| 315 | Significance of transcytosis in Alzheimer's disease: BACE1 takes the scenic route to axons. BioEssays, 2015, 37, 888-898. | 1.2 | 12 |
| 316 | Translation of Pre-Clinical Studies into Successful Clinical Trials for Alzheimer's Disease: What are the Roadblocks and How Can They Be Overcome?1. Journal of Alzheimer's Disease, 2015, 47, 815-843. | 1.2 | 84 |
| 317 | Age and amyloid effects on human central nervous system amyloidâ€beta kinetics. Annals of Neurology, 2015, 78, 439-453. | 2.8 | 148 |
| 318 | Promising Targets for the Treatment of Neurodegenerative Diseases. Clinical Pharmacology and Therapeutics, 2015, 98, 492-501. | 2.3 | 22 |
| 319 | Development of Immunoassays for the Quantitative Assessment of Amyloid- \hat{l}^2 in the Presence of Therapeutic Antibody: Application to Pre-Clinical Studies. Journal of Alzheimer's Disease, 2015, 46, 1091-1101. | 1.2 | 5 |
| 320 | I716F Al̂2PP Mutation Associates with the Deposition of Oligomeric Pyroglutamate Amyloid-l̂2 and l̂±-Synucleinopathy with Lewy Bodies. Journal of Alzheimer's Disease, 2015, 44, 103-114. | 1.2 | 13 |
| 321 | Genomic Discoveries and Personalized Medicine in Neurological Diseases. Pharmaceutics, 2015, 7, 542-553. | 2.0 | 13 |
| 322 | Genomic mosaicism with increased amyloid precursor protein (APP) gene copy number in single neurons from sporadic Alzheimer's disease brains. ELife, 2015, 4, . | 2.8 | 114 |
| 323 | Can insulin signaling pathways be targeted to transport $A\tilde{A}\check{Z}\hat{A}^2$ out of the brain?. Frontiers in Aging Neuroscience, 2015, 7, 114. | 1.7 | 27 |

| # | Article | IF | CITATIONS |
|-----|--|-----|-----------|
| 324 | The 5-lipoxygenase pathway: oxidative and inflammatory contributions to the Alzheimer \tilde{A} \hat{a} , \hat{a} , \hat{a} disease phenotype. Frontiers in Cellular Neuroscience, 2014, 8, 436. | 1.8 | 60 |
| 325 | The Maze of APP Processing in Alzheimerââ,¬â"¢s Disease: Where Did We Go Wrong in Reasoning?. Frontiers in Cellular Neuroscience, 2015, 9, 186. | 1.8 | 35 |
| 326 | Autosomal Dominant Alzheimer Disease: A Unique Resource to Study CSF Biomarker Changes in Preclinical AD. Frontiers in Neurology, 2015, 6, 142. | 1.1 | 25 |
| 327 | Fluid Biomarkers in Clinical Trials of Alzheimer's Disease Therapeutics. Frontiers in Neurology, 2015, 6, 186. | 1.1 | 22 |
| 328 | Misframed ubiquitin and impaired protein quality control: an early event in Alzheimer's disease. Frontiers in Molecular Neuroscience, 2015, 8, 47. | 1.4 | 34 |
| 329 | Free Cholesterol — A Double-Edge Sword in Alzheimer Disease. , 0, , . | | 2 |
| 330 | Neurobiology of Alzheimer's Disease: Integrated Molecular, Physiological, Anatomical, Biomarker, and Cognitive Dimensions. Current Alzheimer Research, 2015, 12, 712-722. | 0.7 | 134 |
| 332 | Pathway-Based Analysis of Genome-Wide siRNA Screens Reveals the Regulatory Landscape of App Processing. PLoS ONE, 2015, 10, e0115369. | 1.1 | 19 |
| 333 | Assessing the Power of Exome Chips. PLoS ONE, 2015, 10, e0139642. | 1.1 | 6 |
| 334 | Inhibition of BACE1 Activity by a DNA Aptamer in an Alzheimer's Disease Cell Model. PLoS ONE, 2015, 10, e0140733. | 1.1 | 27 |
| 335 | Polygenic Analysis of Late-Onset Alzheimer's Disease from Mainland China. PLoS ONE, 2015, 10, e0144898. | 1.1 | 66 |
| 336 | Amyloid-Beta Protein Clearance and Degradation (ABCD) Pathways and their Role in Alzheimer's Disease. Current Alzheimer Research, 2015, 12, 32-46. | 0.7 | 255 |
| 337 | Bridging the Gap between Statistical and Biological Epistasis in Alzheimer's Disease. BioMed Research International, 2015, 2015, 1-7. | 0.9 | 26 |
| 338 | Clinical and Cellular Aspects of Traumatic Brain Injury. , 2015, , 691-708. | | 0 |
| 339 | Prion-Protein-interacting Amyloid- \hat{l}^2 Oligomers of High Molecular Weight Are Tightly Correlated with Memory Impairment in Multiple Alzheimer Mouse Models. Journal of Biological Chemistry, 2015, 290, 17415-17438. | 1.6 | 104 |
| 340 | Alzheimer Disease., 2015,, 753-768. | | 6 |
| 341 | Rarity of the Alzheimer Disease–Protective <i>APP</i> A673T Variant in the United States. JAMA Neurology, 2015, 72, 209. | 4.5 | 41 |
| 342 | Systems biology of neurodegenerative diseases. Integrative Biology (United Kingdom), 2015, 7, 758-775. | 0.6 | 40 |

| # | Article | IF | Citations |
|-----|---|------|-----------|
| 343 | More evidence for association of a rare TREM2 mutation (R47H) with Alzheimer's disease risk. Neurobiology of Aging, 2015, 36, 2443.e21-2443.e26. | 1.5 | 39 |
| 344 | Molecular Genetics of Pediatric Orthopaedic Disorders. , 2015, , . | | 2 |
| 345 | Assessing Cognitive Improvement in People with Down Syndrome: Important Considerations for Drug-Efficacy Trials. Handbook of Experimental Pharmacology, 2015, 228, 335-380. | 0.9 | 8 |
| 346 | Advancing Biological Understanding and Therapeutics Discovery with Small-Molecule Probes. Cell, 2015, 161, 1252-1265. | 13.5 | 135 |
| 347 | A novel method for expression and purification of authentic amyloid- \hat{l}^2 with and without 15N labels. Protein Expression and Purification, 2015, 113, 63-71. | 0.6 | 11 |
| 348 | The case for rejecting the amyloid cascade hypothesis. Nature Neuroscience, 2015, 18, 794-799. | 7.1 | 613 |
| 349 | Three dimensions of the amyloid hypothesis: time, space and 'wingmen'. Nature Neuroscience, 2015, 18, 800-806. | 7.1 | 582 |
| 350 | Toxic Tau Aggregation in AD. Advances in Experimental Medicine and Biology, 2015, 822, 3-9. | 0.8 | 2 |
| 351 | Iron is a specific cofactor for distinct oxidation- and aggregation-dependent $A\hat{I}^2$ toxicity mechanisms. DMM Disease Models and Mechanisms, 2015, 8, 657-67. | 1.2 | 22 |
| 352 | Protein Folding Diseases. , 2015, , 203-224. | | 0 |
| 353 | Catabolism and Anabolism of Amyloid-β. , 2015, , 319-339. | | 0 |
| 354 | Tau missorting and spastin-induced microtubule disruption in neurodegeneration: Alzheimer Disease and Hereditary Spastic Paraplegia. Molecular Neurodegeneration, 2015, 10, 68. | 4.4 | 69 |
| 355 | Genetic Architecture of Complex Human Traits: What Have We Learned from Genome-Wide Association Studies?. Current Genetic Medicine Reports, 2015, 3, 143-150. | 1.9 | 3 |
| 356 | Inhibition of protein aggregation and amyloid formation by small molecules. Current Opinion in Structural Biology, 2015, 30, 50-56. | 2.6 | 259 |
| 357 | Strong Inhibition of Betaâ€Amyloid Peptide Aggregation Realized by Twoâ€Steps Evolved Peptides. Chemical Biology and Drug Design, 2015, 85, 356-368. | 1.5 | 6 |
| 358 | Retinal Toxicity Induced by a Novel \hat{I}^2 -secretase Inhibitor in the Sprague-Dawley Rat. Toxicologic Pathology, 2015, 43, 581-592. | 0.9 | 36 |
| 359 | An Orally Available BACE1 Inhibitor That Affords Robust CNS $\hat{Al^2}$ Reduction without Cardiovascular Liabilities. ACS Medicinal Chemistry Letters, 2015, 6, 210-215. | 1.3 | 30 |
| 360 | Therapeutic genome editing: prospects and challenges. Nature Medicine, 2015, 21, 121-131. | 15.2 | 1,042 |

| # | Article | IF | CITATIONS |
|-----|---|-------------------|-----------|
| 361 | A Food and Drug Administration-approved Asthma Therapeutic Agent Impacts Amyloid \hat{l}^2 in the Brain in a Transgenic Model of Alzheimer Disease. Journal of Biological Chemistry, 2015, 290, 1966-1978. | 1.6 | 65 |
| 362 | The Potent BACE1 Inhibitor LY2886721 Elicits Robust Central Aβ Pharmacodynamic Responses in Mice, Dogs, and Humans. Journal of Neuroscience, 2015, 35, 1199-1210. | 1.7 | 159 |
| 363 | Alzheimer's Protective A2T Mutation Changes the Conformational Landscape of the Aβ1–42 Monomer Differently Than Does the A2V Mutation. Biophysical Journal, 2015, 108, 738-747. | 0.2 | 48 |
| 364 | Genetics and Underlying Pathology of Dementia. Neuropsychology Review, 2015, 25, 113-124. | 2.5 | 38 |
| 365 | Amyloid β oligomers in Alzheimer's disease pathogenesis, treatment, and diagnosis. Acta Neuropathologica, 2015, 129, 183-206. | 3.9 | 490 |
| 366 | Association of Alzheimer's disease GWAS loci with MRI markers of brain aging. Neurobiology of Aging, 2015, 36, 1765.e7-1765.e16. | 1.5 | 82 |
| 367 | On the lag phase in amyloid fibril formation. Physical Chemistry Chemical Physics, 2015, 17, 7606-7618. | 1.3 | 590 |
| 368 | Genetic Association Between APP, ADAM10 Gene Polymorphism, and Sporadic Alzheimer's Disease in the Chinese Population. Neurotoxicity Research, 2015, 27, 284-291. | 1.3 | 11 |
| 369 | Genetic overlap between Alzheimer's disease and Parkinson's disease at the MAPT locus. Molecular Psychiatry, 2015, 20, 1588-1595. | 4.1 | 133 |
| 370 | Discovery of a Series of Efficient, Centrally Efficacious BACE1 Inhibitors through Structure-Based Drug Design. Journal of Medicinal Chemistry, 2015, 58, 2678-2702. | 2.9 | 42 |
| 371 | <scp>F</scp> yn inhibition rescues established memory and synapse loss in <scp>A</scp> lzheimer mice. Annals of Neurology, 2015, 77, 953-971. | 2.8 | 282 |
| 372 | Altered GluN2B NMDA receptor function and synaptic plasticity during early pathology in the PS2APP mouse model of Alzheimer's disease. Neurobiology of Disease, 2015, 74, 254-262. | 2.1 | 35 |
| 373 | Alzheimer's and Parkinson's diseases: The prion concept in relation to assembled Aβ, tau, and α-synuclein Science, 2015, 349, 1255555. | ^{l.} 6.0 | 753 |
| 374 | Decrease in catalytic capacity of \hat{l}^3 -secretase can facilitate pathogenesis in sporadic and Familial Alzheimer's disease. Molecular and Cellular Neurosciences, 2015, 67, 55-65. | 1.0 | 15 |
| 375 | Impact of Amyloid Precursor Protein Hydrophilic Transmembrane Residues on Amyloid-Beta Generation. Biochemistry, 2015, 54, 2777-2784. | 1.2 | 14 |
| 376 | Near-infrared fluorescence molecular imaging of amyloid beta species and monitoring therapy in animal models of Alzheimer's disease. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9734-9739. | 3.3 | 187 |
| 377 | Thermodynamic Description of Beta Amyloid Formation Using Physicochemical Scales and Fractal Bioinformatic Scales. ACS Chemical Neuroscience, 2015, 6, 745-750. | 1.7 | 11 |
| 378 | Massive accumulation of luminal protease-deficient axonal lysosomes at Alzheimer's disease amyloid plaques. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E3699-708. | 3.3 | 313 |

| # | Article | IF | CITATIONS |
|-----|--|-----|-----------|
| 379 | Letters from Iceland. Nature Genetics, 2015, 47, 425-425. | 9.4 | 11 |
| 380 | CALHM1 ion channel elicits amyloid- \hat{l}^2 clearance by insulin-degrading enzyme in cell lines and <i>in vivo</i> in the mouse brain. Journal of Cell Science, 2015, 128, 2330-2338. | 1.2 | 32 |
| 381 | Structural Conversion of A $\hat{1}^2$ 17 $\hat{1}^{*}$ 42 Peptides from Disordered Oligomers to U-Shape Protofilaments via Multiple Kinetic Pathways. PLoS Computational Biology, 2015, 11, e1004258. | 1.5 | 41 |
| 382 | The amyloid precursor protein (APP) intracellular domain regulates translation of p44, a short isoform of p53, through an IRES-dependent mechanism. Neurobiology of Aging, 2015, 36, 2725-2736. | 1.5 | 18 |
| 383 | COPS5 Protein Overexpression Increases Amyloid Plaque Burden, Decreases Spinophilin-immunoreactive Puncta, and Exacerbates Learning and Memory Deficits in the Mouse Brain. Journal of Biological Chemistry, 2015, 290, 9299-9309. | 1.6 | 12 |
| 384 | Neuronal hyperactivity – A key defect in Alzheimer's disease?. BioEssays, 2015, 37, 624-632. | 1.2 | 182 |
| 385 | Prenatal Infection., 2015,, 67-87. | | 0 |
| 386 | Alzheimer's disease clinical trials: past failures and future opportunities. Clinical Investigation, 2015, 5, 297-309. | 0.0 | 15 |
| 387 | Utilizing Structures of CYP2D6 and BACE1 Complexes To Reduce Risk of Drugâ€"Drug Interactions with a Novel Series of Centrally Efficacious BACE1 Inhibitors. Journal of Medicinal Chemistry, 2015, 58, 3223-3252. | 2.9 | 62 |
| 388 | Immunotherapeutic Approaches for Alzheimer's Disease. Neuron, 2015, 85, 1162-1176. | 3.8 | 241 |
| 389 | Active Immunization with DNA Vaccine Reduced Cerebral Inflammation and Improved Cognitive Ability in APP/PS1 Transgenic Mice by In Vivo Electroporation. Neurochemical Research, 2015, 40, 1032-1041. | 1.6 | 4 |
| 390 | Genetic Variants and Related Biomarkers in Sporadic Alzheimer's Disease. Current Genetic Medicine Reports, 2015, 3, 19-25. | 1.9 | 3 |
| 391 | Advances in Alzheimer's Disease Drug Development. BMC Medicine, 2015, 13, 62. | 2.3 | 78 |
| 392 | Synaptic dysfunction and septin protein family members in neurodegenerative diseases. Molecular Neurodegeneration, 2015, 10, 16. | 4.4 | 95 |
| 393 | Rare variant association studies: considerations, challenges and opportunities. Genome Medicine, 2015, 7, 16. | 3.6 | 176 |
| 394 | Additional mechanisms conferring genetic susceptibility to Alzheimer $	ilde{A}$ ¢ \hat{a} , $\neg \hat{a}$,,¢s disease. Frontiers in Cellular Neuroscience, 2015, 9, 138. | 1.8 | 27 |
| 395 | Immune attack: the role of inflammation in Alzheimer disease. Nature Reviews Neuroscience, 2015, 16, 358-372. | 4.9 | 1,677 |
| 396 | Cognitive Enhancement. Handbook of Experimental Pharmacology, 2015, , . | 0.9 | 0 |

| # | Article | IF | CITATIONS |
|-----|--|------|-----------|
| 397 | Longevity Genes. Advances in Experimental Medicine and Biology, 2015, , . | 0.8 | 5 |
| 398 | Centrally Delivered BACE1 Inhibitor Activates Microglia, and Reverses Amyloid Pathology and Cognitive Deficit in Aged Tg2576 Mice. Journal of Neuroscience, 2015, 35, 6931-6936. | 1.7 | 29 |
| 399 | Exome and Whole Genome Sequencing in Aging and Longevity. Advances in Experimental Medicine and Biology, 2015, 847, 127-139. | 0.8 | 5 |
| 400 | The role and therapeutic targeting of \hat{l}_{\pm} -, \hat{l}^{2} - and \hat{l}^{3} -secretase in Alzheimer's disease. Future Science OA, 2015, 1, FSO11. | 0.9 | 75 |
| 401 | Pharmacological Inhibition of BACE1 Impairs Synaptic Plasticity and Cognitive Functions. Biological Psychiatry, 2015, 77, 729-739. | 0.7 | 109 |
| 402 | Cellular Functions of the Amyloid Precursor Protein from Development to Dementia. Developmental Cell, 2015, 32, 502-515. | 3.1 | 191 |
| 403 | Loss-of-function variants in ABCA7 confer risk of Alzheimer's disease. Nature Genetics, 2015, 47, 445-447. | 9.4 | 283 |
| 404 | Large-scale whole-genome sequencing of the Icelandic population. Nature Genetics, 2015, 47, 435-444. | 9.4 | 663 |
| 405 | An Early Folding Contact between Phe19 and Leu34 is Critical for Amyloid- \hat{l}^2 Oligomer Toxicity. ACS Chemical Neuroscience, 2015, 6, 1290-1295. | 1.7 | 52 |
| 406 | Simple approach to the synthesis of novel tricyclic BACE1 inhibitor warhead through \hat{l}^2 -lactam opening. Tetrahedron Letters, 2015, 56, 4028-4030. | 0.7 | 9 |
| 407 | The triggering receptor expressed on myeloid cells 2 ($\langle i \rangle$ TREM2 $\langle i \rangle$) is associated with enhanced inflammation, neuropathological lesions and increased risk for Alzheimer's dementia. Alzheimer's and Dementia, 2015, 11, 1163-1170. | 0.4 | 70 |
| 408 | Whole-genome sequencing to understand the genetic architecture of common gene expression and biomarker phenotypes. Human Molecular Genetics, 2015, 24, 1504-1512. | 1.4 | 8 |
| 409 | Amyloid β Protein and Alzheimer's Disease: When Computer Simulations Complement Experimental Studies. Chemical Reviews, 2015, 115, 3518-3563. | 23.0 | 530 |
| 410 | Oxidative stress involving changes in Nrf2 and ER stress in early stages of Alzheimer's disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 1428-1441. | 1.8 | 137 |
| 411 | Gene panels and primers for next generation sequencing studies on neurodegenerative disorders. Molecular and Cellular Toxicology, 2015 , 11 , $89-143$. | 0.8 | 32 |
| 412 | Strategies for Imputing and Analyzing Rare Variants in Association Studies. Trends in Genetics, 2015, 31, 556-563. | 2.9 | 27 |
| 413 | Protective alleles and modifier variants in human health and disease. Nature Reviews Genetics, 2015, 16, 689-701. | 7.7 | 105 |
| 414 | Neurodegenerative Disorders as Systemic Diseases. , 2015, , . | | 2 |

| # | Article | IF | CITATIONS |
|-----|--|-------------|-----------|
| 415 | Different definitions of neurodegeneration produce similar amyloid/neurodegeneration biomarker group findings. Brain, 2015, 138 , 3747 - 3759 . | 3.7 | 170 |
| 416 | <i>N</i> â€(2â€(Piperazinâ€1â€yl)phenyl)arylamide Derivatives as βâ€Secretase (BACE1) Inhibitors: Simple Synthological Fourâ€Component Reaction and Biological Evaluation. Archiv Der Pharmazie, 2015, 348, 330-337. | esis 2.1 | 23 |
| 417 | Decision tree analysis of genetic risk for clinically heterogeneous Alzheimer's disease. BMC Neurology, 2015, 15, 47. | 0.8 | 25 |
| 418 | Direct Correlation of Cell Toxicity to Conformational Ensembles of Genetic ${\rm A\hat{l}^2}$ Variants. ACS Chemical Neuroscience, 2015, 6, 1990-1996. | 1.7 | 16 |
| 419 | Amyloid β-Protein Assembly: Differential Effects of the Protective A2T Mutation and Recessive A2V Familial Alzheimer's Disease Mutation. ACS Chemical Neuroscience, 2015, 6, 1732-1740. | 1.7 | 55 |
| 420 | Japonica array: improved genotype imputation by designing a population-specific SNP array with 1070 Japanese individuals. Journal of Human Genetics, 2015, 60, 581-587. | 1.1 | 120 |
| 421 | Genome of the Netherlands population-specific imputations identify an ABCA6 variant associated with cholesterol levels. Nature Communications, 2015, 6, 6065. | 5.8 | 45 |
| 422 | ÎSecretase processing of APP inhibits neuronal activity in the hippocampus. Nature, 2015, 526, 443-447. | 13.7 | 308 |
| 423 | The keystone of Alzheimer pathogenesis might be sought in AÎ ² physiology. Neuroscience, 2015, 307, 26-36. | 1.1 | 98 |
| 424 | GWAS of longitudinal amyloid accumulation on ¹⁸ F-florbetapir PET in Alzheimer's disease implicates microglial activation gene <i>IL1RAP</i> | 3.7 | 117 |
| 425 | Drugs That Bind to α-Synuclein: Neuroprotective or Neurotoxic?. ACS Chemical Neuroscience, 2015, 6, 1930-1940. | 1.7 | 29 |
| 426 | Fundamentals of Protein Structure and Function. , 2015, , . | | 25 |
| 427 | Proteopathies: Biological, Molecular and Clinical Perspectives. , 2015, , 139-169. | | 1 |
| 428 | Methods to monitor monocytes-mediated amyloid-beta uptake and phagocytosis in the context of adjuvanted immunotherapies. Journal of Immunological Methods, 2015, 424, 64-79. | 0.6 | 15 |
| 429 | The APP A673T frequency differs between Nordic countries. Neurobiology of Aging, 2015, 36, 2909.e1-2909.e4. | 1.5 | 10 |
| 430 | Aging Mechanisms., 2015, , . | | 4 |
| 431 | Advances in the therapy of Alzheimer's disease: targeting amyloid beta and tau and perspectives for the future. Expert Review of Neurotherapeutics, 2015, 15, 83-105. | 1.4 | 64 |
| 432 | Neuropathology and biochemistry of Aβ and its aggregates in Alzheimer's disease. Acta Neuropathologica, 2015, 129, 167-182. | 3.9 | 224 |

| # | Article | IF | Citations |
|-----|--|-----|-----------|
| 433 | Convergent genetic and expression data implicate immunity in Alzheimer's disease. Alzheimer's and Dementia, 2015, 11, 658-671. | 0.4 | 173 |
| 434 | Disruption of sonic hedgehog signaling in Ellis-van Creveld dwarfism confers protection against bipolar affective disorder. Molecular Psychiatry, 2015, 20, 1212-1218. | 4.1 | 8 |
| 435 | Combining an amyloidâ€beta (Aβ) cleaving enzyme inhibitor with a γâ€secretase modulator results in an additive reduction of Aβ production. FEBS Journal, 2015, 282, 65-73. | 2.2 | 18 |
| 436 | Pathogenic properties of Alzheimer's β-amyloid identified from structure–property patient-phenotype correlations. Dalton Transactions, 2015, 44, 2747-2754. | 1.6 | 12 |
| 437 | The Use of Pharmacological Retromer Chaperones in Alzheimer's Disease and other Endosomal-related Disorders. Neurotherapeutics, 2015, 12, 12-18. | 2.1 | 30 |
| 438 | Unique molecular signatures of Alzheimer's disease amyloid \hat{l}^2 peptide mutations and deletion during aggregate/oligomer/fibril formation. Journal of Neuroscience Research, 2015, 93, 410-423. | 1.3 | 8 |
| 439 | Emerging Concepts in Alzheimer's Disease. Annual Review of Pathology: Mechanisms of Disease, 2015, 10, 291-319. | 9.6 | 211 |
| 440 | Alzheimer's Disease Risk Genes and Mechanisms of Disease Pathogenesis. Biological Psychiatry, 2015, 77, 43-51. | 0.7 | 1,034 |
| 441 | \hat{I}^2 -amyloid Peptides and Amyloid Plaques in Alzheimer's Disease. Neurotherapeutics, 2015, 12, 3-11. | 2.1 | 195 |
| 442 | Quality control metrics improve repeatability and reproducibility of single-nucleotide variants derived from whole-genome sequencing. Pharmacogenomics Journal, 2015, 15, 298-309. | 0.9 | 9 |
| 443 | Phosphodiesterase-4 (PDE4) Molecular Pharmacology and Alzheimer's Disease. Neurotherapeutics, 2015, 12, 49-56. | 2.1 | 87 |
| 444 | Eph receptors: New players in Alzheimer's disease pathogenesis. Neurobiology of Disease, 2015, 73, 137-149. | 2.1 | 34 |
| 445 | Paths to Alzheimer's disease prevention: From modifiable risk factors to biomarker enrichment strategies. Journal of Nutrition, Health and Aging, 2015, 19, 154-163. | 1.5 | 50 |
| 446 | PLD3 in Alzheimer's Disease. Molecular Neurobiology, 2015, 51, 480-486. | 1.9 | 19 |
| 447 | Role of BACE1 in Cognitive Function, from Alzheimer's Disease to Traumatic Brain Injury. , 2016, , 239-266. | | 0 |
| 448 | Modulators of Amyloid \hat{I}^2 -Protein (A \hat{I}^2) Self-Assembly. , 2016, , 97-191. | | 6 |
| 449 | Overview of Alzheimer's disease. , 2016, , . | | 0 |
| 450 | Perspectives on the Tertiary Prevention Strategy for Alzheimer's Disease. Current Alzheimer Research, 2016, 13, 307-316. | 0.7 | 15 |

| # | Article | IF | CITATIONS |
|-----|--|-----|-----------|
| 451 | A Mutation in <i>DAOA</i> Modifies the Age of Onset in <i>PSEN1</i> E280A Alzheimer's Disease. Neural Plasticity, 2016, 2016, 1-7. | 1.0 | 25 |
| 452 | Prostate Cancer: Is It a Battle Lost to Age?. Geriatrics (Switzerland), 2016, 1, 27. | 0.6 | 11 |
| 453 | Genes associated with Alzheimer's disease: an overview and current status. Clinical Interventions in Aging, 2016, 11, 665. | 1.3 | 235 |
| 454 | Effect of Presenilin Mutations on APP Cleavage; Insights into the Pathogenesis of FAD. Frontiers in Aging Neuroscience, 2016, 8, 51. | 1.7 | 44 |
| 455 | Endoplasmic Reticulum Stress and Associated ROS. International Journal of Molecular Sciences, 2016, 17, 327. | 1.8 | 624 |
| 456 | The MKK7 p.Glu116Lys Rare Variant Serves as a Predictor for Lung Cancer Risk and Prognosis in Chinese. PLoS Genetics, 2016, 12, e1005955. | 1.5 | 14 |
| 458 | Alzheimer's Disease and the Aggregation of Amyloid β. Springer Theses, 2016, , 31-52. | 0.0 | 0 |
| 459 | Overcoming translational barriers impeding development of Alzheimer's disease modifying therapies. Journal of Neurochemistry, 2016, 139, 224-236. | 2.1 | 17 |
| 460 | The amyloid cascade hypothesis: are we poised for success or failure?. Journal of Neurochemistry, 2016, 139, 237-252. | 2.1 | 308 |
| 461 | A2T and A2V \hat{A}^2 peptides exhibit different aggregation kinetics, primary nucleation, morphology, structure, and LTP inhibition. Proteins: Structure, Function and Bioinformatics, 2016, 84, 488-500. | 1.5 | 30 |
| 462 | Rhodium atalyzed Hydrocarboxylation of Olefins with Carbon Dioxide. European Journal of Organic Chemistry, 2016, 2016, 3166-3170. | 1.2 | 81 |
| 463 | Nanoscale Imaging and Characterisation of Amyloid- \hat{l}^2 . Springer Theses, 2016, , . | 0.0 | 0 |
| 464 | Ten Challenges of the Amyloid Hypothesis of Alzheimer's Disease. Journal of Alzheimer's Disease, 2016, 55, 447-457. | 1.2 | 71 |
| 465 | A Method for Diagnosing Alzheimer's Disease Based on Salivary Amyloid-β Protein 42 Levels. Journal of Alzheimer's Disease, 2016, 55, 1175-1182. | 1.2 | 81 |
| 466 | Proteopathic Strains and the Heterogeneity of Neurodegenerative Diseases. Annual Review of Genetics, 2016, 50, 329-346. | 3.2 | 53 |
| 467 | Tackling amyloidogenesis in Alzheimer's disease with A2V variants of Amyloid-β. Scientific Reports, 2016, 6, 20949. | 1.6 | 26 |
| 468 | Aspartic Proteases of Alzheimer's Disease: β- and γ-Secretases. , 2016, , 661-669. | | 0 |
| 469 | Evidence For and Against a Pathogenic Role of Reduced γ-Secretase Activity in Familial Alzheimer's Disease. Journal of Alzheimer's Disease, 2016, 52, 781-799. | 1.2 | 44 |

| # | Article | IF | Citations |
|-----|---|------|-----------|
| 470 | Design and Enabling Development of Hydroxyethylamine-Derived BACE1 Inhibitor. ACS Symposium Series, 2016, , 137-170. | 0.5 | 0 |
| 471 | From Common to Rare Variants: The Genetic Component of Alzheimer Disease. Human Heredity, 2016, 81, 129-141. | 0.4 | 37 |
| 472 | Normal Vitamin Levels and Nutritional Indices in Alzheimer's Disease Patients with Mild Cognitive Impairment or Dementia with Normal Body Mass Indexes. Journal of Alzheimer's Disease, 2016, 55, 717-725. | 1.2 | 17 |
| 473 | Classification of Big Data With Application to Imaging Genetics. Proceedings of the IEEE, 2016, 104, 2137-2154. | 16.4 | 21 |
| 474 | Future Therapeutics in Alzheimer's Disease: Development Status of BACE Inhibitors. BioDrugs, 2016, 30, 173-194. | 2.2 | 36 |
| 475 | New Genetic Approaches to AD: Lessons from APOE-TOMM40 Phylogenetics. Current Neurology and Neuroscience Reports, 2016, 16, 48. | 2.0 | 28 |
| 476 | Untangling the Web: Toxic and Protective Effects of Neuroinflammation and PGE ₂ Signaling in Alzheimer's Disease. ACS Chemical Neuroscience, 2016, 7, 454-463. | 1.7 | 45 |
| 477 | Genomeâ€wide linkage analyses of nonâ€Hispanic white families identify novel loci for familial lateâ€onset Alzheimer's disease. Alzheimer's and Dementia, 2016, 12, 2-10. | 0.4 | 24 |
| 478 | Design and synthesis of water soluble \hat{l}^2 -aminosulfone analogues of SCH 900229 as \hat{l}^3 -secretase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 5836-5841. | 1.0 | 3 |
| 479 | New cinnamic – N-benzylpiperidine and cinnamic – N,N-dibenzyl(N-methyl)amine hybrids as Alzheimer-directed multitarget drugs with antioxidant, cholinergic, neuroprotective and neurogenic properties. European Journal of Medicinal Chemistry, 2016, 121, 376-386. | 2.6 | 46 |
| 480 | Design and synthesis of 5-cyclopropyl substituted cyclic acylguanidine compounds as BACE1 inhibitors. Chinese Chemical Letters, 2016, 27, 1626-1629. | 4.8 | 0 |
| 481 | The Role of Amyloid-Î ² Oligomers in Toxicity, Propagation, and Immunotherapy. EBioMedicine, 2016, 6, 42-49. | 2.7 | 534 |
| 482 | Presynaptic dystrophic neurites surrounding amyloid plaques are sites of microtubule disruption, BACE1 elevation, and increased Aβ generation in Alzheimer's disease. Acta Neuropathologica, 2016, 132, 235-256. | 3.9 | 193 |
| 483 | <i>ABCA7</i> rare variants and Alzheimer disease risk. Neurology, 2016, 86, 2134-2137. | 1.5 | 63 |
| 484 | Specific Inhibition of \hat{l}^2 -Secretase Processing of the Alzheimer Disease Amyloid Precursor Protein. Cell Reports, 2016, 14, 2127-2141. | 2.9 | 87 |
| 485 | Assessment of the genetic variance of late-onset Alzheimer's disease. Neurobiology of Aging, 2016, 41, 200.e13-200.e20. | 1.5 | 174 |
| 486 | Mutation analysis of the MS4A and TREM gene clusters inÂaÂcase-control Alzheimer's disease data set. Neurobiology of Aging, 2016, 42, 217.e7-217.e13. | 1.5 | 28 |
| 487 | Crowdsourced estimation of cognitive decline and resilience in Alzheimer's disease. Alzheimer's and Dementia, 2016, 12, 645-653. | 0.4 | 72 |

| # | Article | IF | CITATIONS |
|-----|---|------|-----------|
| 488 | An Alzheimer Disease-linked Rare Mutation Potentiates Netrin Receptor Uncoordinated-5C-induced Signaling That Merges with Amyloid \hat{l}^2 Precursor Protein Signaling. Journal of Biological Chemistry, 2016, 291, 12282-12293. | 1.6 | 17 |
| 489 | Alzheimerâ \in ™s therapy targeting the \hat{l}^2 -secretase enzyme BACE1: Benefits and potential limitations from the perspective of animal model studies. Brain Research Bulletin, 2016, 126, 183-198. | 1.4 | 42 |
| 490 | Genomics of Alzheimer Disease. JAMA Neurology, 2016, 73, 867. | 4.5 | 105 |
| 491 | Genetic and Epigenetic Architecture of Alzheimer's Dementia. Current Genetic Medicine Reports, 2016, 4, 7-15. | 1.9 | 2 |
| 492 | Physiological and pathological roles of the \hat{I}^3 -secretase complex. Brain Research Bulletin, 2016, 126, 199-206. | 1.4 | 43 |
| 493 | Efficient introduction of specific homozygous and heterozygous mutations using CRISPR/Cas9. Nature, 2016, 533, 125-129. | 13.7 | 738 |
| 494 | SEPT8 modulates \hat{l}^2 -amyloidogenic processing of APP via affecting the sorting and accumulation of BACE1. Journal of Cell Science, 2016, 129, 2224-38. | 1.2 | 15 |
| 495 | Mutations modifying sporadic Alzheimer's disease age of onset. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2016, 171, 1116-1130. | 1.1 | 20 |
| 496 | Partial loss of CALM function reduces A \hat{i}^2 42 production and amyloid deposition (i) in vivo (i). Human Molecular Genetics, 2016, 25, 3988-3997. | 1.4 | 24 |
| 497 | Profiling the dynamics of CSF and plasma Aβ reduction after treatment with JNJâ€54861911, a potent oral BACE inhibitor. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2016, 2, 202-212. | 1.8 | 50 |
| 498 | Alternative Selection of \hat{l}^2 -Site APP-Cleaving Enzyme 1 (BACE1) Cleavage Sites in Amyloid \hat{l}^2 -Protein Precursor (APP) Harboring Protective and Pathogenic Mutations within the A \hat{l}^2 Sequence. Journal of Biological Chemistry, 2016, 291, 24041-24053. | 1.6 | 68 |
| 499 | Dietary Polyphenols as Potential Remedy for Dementia. Advances in Neurobiology, 2016, 12, 41-56. | 1.3 | 5 |
| 500 | NIAGADS: The NIA Genetics of Alzheimer's Disease Data Storage Site. Alzheimer's and Dementia, 2016, 12, 1200-1203. | 0.4 | 24 |
| 501 | Alzheimer Disease and Its Growing Epidemic. Neurologic Clinics, 2016, 34, 941-953. | 0.8 | 114 |
| 502 | Functions of the Alzheimer's Disease Protease BACE1 at the Synapse in the Central Nervous System. Journal of Molecular Neuroscience, 2016, 60, 305-315. | 1.1 | 48 |
| 504 | Discovery of S3-Truncated, C-6 Heteroaryl Substituted Aminothiazine β-Site APP Cleaving Enzyme-1 (BACE1) Inhibitors. Journal of Medicinal Chemistry, 2016, 59, 8593-8600. | 2.9 | 11 |
| 505 | The amyloid hypothesis of Alzheimer's disease at 25Âyears. EMBO Molecular Medicine, 2016, 8, 595-608. | 3.3 | 4,226 |
| 506 | Missing heritability of complex diseases: Enlightenment by genetic variants from intermediate phenotypes. BioEssays, 2016, 38, 664-673. | 1.2 | 52 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 507 | Genome research in pre-dementia stages of Alzheimer's disease. Expert Reviews in Molecular Medicine, 2016, 18, e11. | 1.6 | 13 |
| 508 | The human-specific <i>CASP4</i> gene product contributes to Alzheimer-related synaptic and behavioural deficits. Human Molecular Genetics, 2016, 25, 4315-4327. | 1.4 | 21 |
| 509 | Treatment strategies in Alzheimer's disease: a review with focus on selenium supplementation. BioMetals, 2016, 29, 827-839. | 1.8 | 56 |
| 510 | Autophagy Networks in Inflammation. , 2016, , . | | 3 |
| 511 | Novel Therapies. , 2016, , 191-219. | | 0 |
| 512 | Cyclic cis-Locked Phospho-Dipeptides Reduce Entry of AÎ ² PP into Amyloidogenic Processing Pathway. Journal of Alzheimer's Disease, 2016, 55, 391-410. | 1.2 | 6 |
| 513 | AZD3293: Pharmacokinetic andÂPharmacodynamic Effects inÂHealthyÂSubjects and Patients withÂAlzheimer's Disease. Journal of Alzheimer's Disease, 2016, 55, 1039-1053. | 1.2 | 68 |
| 514 | A new structural approach to genomic discovery of disease: example of adult-onset diabetes. Biological Cybernetics, 2016, 110, 383-391. | 0.6 | 1 |
| 515 | Genomics of Alzheimer's disease: Value of high-throughput genomic technologies to dissect its etiology. Molecular and Cellular Probes, 2016, 30, 397-403. | 0.9 | 11 |
| 517 | TREM2 Binds to Apolipoproteins, Including APOE and CLU/APOJ, and Thereby Facilitates Uptake of Amyloid-Beta by Microglia. Neuron, 2016, 91, 328-340. | 3.8 | 643 |
| 518 | New neurogenic lipoic-based hybrids as innovative Alzheimer's drugs with lf -1 agonism and l^2 -secretase inhibition. Future Medicinal Chemistry, 2016, 8, 1191-1207. | 1.1 | 23 |
| 519 | Discovery of the 3-Imino-1,2,4-thiadiazinane 1,1-Dioxide Derivative Verubecestat (MK-8931)–A β-Site Amyloid Precursor Protein Cleaving Enzyme 1 Inhibitor for the Treatment of Alzheimer's Disease. Journal of Medicinal Chemistry, 2016, 59, 10435-10450. | 2.9 | 126 |
| 520 | Epigenetic and genetic components of height regulation. Nature Communications, 2016, 7, 13490. | 5.8 | 52 |
| 521 | Memory loss. Neurology: Clinical Practice, 2016, 6, 523-529. | 0.8 | 6 |
| 522 | The road to restoring neural circuits for the treatment of Alzheimer's disease. Nature, 2016, 539, 187-196. | 13.7 | 426 |
| 523 | Network abnormalities and interneuron dysfunction in Alzheimer disease. Nature Reviews Neuroscience, 2016, 17, 777-792. | 4.9 | 685 |
| 524 | Chronic Neuroinflammation Underlying Pathogenesis of Alzheimer's Disease. , 2016, , 661-671. | | 1 |
| 525 | Increased amyloidogenic APP processing in APOE É 3 4-negative individuals with cerebral \hat{l}^2 -amyloidosis. Nature Communications, 2016, 7, 10918. | 5.8 | 48 |

| # | Article | IF | CITATIONS |
|-----|---|-----|-----------|
| 526 | 2,2,2-Trifluoroethyl-thiadiazines: a patent evaluation of WO2016023927. Expert Opinion on Therapeutic Patents, 2016, 26, 1371-1376. | 2.4 | 3 |
| 527 | Dimerization Mechanism of Alzheimer A \hat{l}^2 ₄₀ Peptides: The High Content of Intrapeptide-Stabilized Conformations in A2V and A2T Heterozygous Dimers Retards Amyloid Fibril Formation. Journal of Physical Chemistry B, 2016, 120, 12111-12126. | 1.2 | 38 |
| 528 | Discovery of furo [2,3-d][1,3]thiazinamines as beta amyloid cleaving enzyme-1 (BACE1) inhibitors. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 5729-5731. | 1.0 | 14 |
| 529 | Clinical Impact of Amyloid Positron Emission Tomographyâ€"Is It Worth the Cost?. JAMA Neurology, 2016, 73, 1396. | 4.5 | 11 |
| 530 | The BACE1 inhibitor verubecestat (MK-8931) reduces CNS β-amyloid in animal models and in Alzheimer's disease patients. Science Translational Medicine, 2016, 8, 363ra150. | 5.8 | 352 |
| 531 | AZD3293: A Novel, Orally Active BACE1 Inhibitor with High Potency and Permeability and Markedly Slow Off-Rate Kinetics. Journal of Alzheimer's Disease, 2016, 50, 1109-1123. | 1.2 | 100 |
| 532 | Characterization of FRM-36143 as a new γ-secretase modulator for the potential treatment of familial Alzheimer's disease. Alzheimer's Research and Therapy, 2016, 8, 34. | 3.0 | 15 |
| 533 | Rare TREM2 variants associated with Alzheimer's disease display reduced cell surface expression. Acta Neuropathologica Communications, 2016, 4, 98. | 2.4 | 46 |
| 534 | A novel approach for multi-SNP GWAS and its application in Alzheimer's disease. BMC Bioinformatics, 2016, 17, 268. | 1.2 | 12 |
| 535 | A loss of function variant in CASP7 protects against Alzheimer's disease in homozygous APOE Îμ4 allele carriers. BMC Genomics, 2016, 17, 445. | 1.2 | 26 |
| 536 | Generation and deposition of Al̂²43 by the virtually inactive presenilinâ€l L435F mutant contradicts the presenilin lossâ€ofâ€function hypothesis of Alzheimer's disease. EMBO Molecular Medicine, 2016, 8, 458-465. | 3.3 | 60 |
| 537 | Validation of soluble amyloid $\hat{a} \in \hat{I}^2$ precursor protein assays as diagnostic $\langle scp \rangle CSF \langle scp \rangle$ biomarkers for neurodegenerative diseases. Journal of Neurochemistry, 2016, 137, 112-121. | 2.1 | 17 |
| 538 | Genetic variations underlying Alzheimer's disease: evidence from genome-wide association studies and beyond. Lancet Neurology, The, 2016, 15, 857-868. | 4.9 | 241 |
| 539 | Î ² -Secretase Inhibition. , 2016, , 39-62. | | 2 |
| 540 | Alzheimer's Disease Therapeutics Targeting Apolipoprotein E. , 2016, , 271-303. | | 0 |
| 541 | Prospects and Challenges for Alzheimer Therapeutics. , 2016, , 605-637. | | 2 |
| 542 | The Prion-Like Properties of Amyloid- \hat{l}^2 Assemblies: Implications for Alzheimer's Disease. Cold Spring Harbor Perspectives in Medicine, 2016, 6, a024398. | 2.9 | 71 |
| 543 | Generation of aggregation prone N-terminally truncated amyloid \hat{l}^2 peptides by meprin \hat{l}^2 depends on the sequence specificity at the cleavage site. Molecular Neurodegeneration, 2016, 11, 19. | 4.4 | 65 |

| # | Article | IF | CITATIONS |
|-----|---|-----|-----------|
| 544 | Amyloid Precursor Protein (APP) May Act as a Substrate and a Recognition Unit for CRL4CRBN and Stub1 E3 Ligases Facilitating Ubiquitination of Proteins Involved in Presynaptic Functions and Neurodegeneration. Journal of Biological Chemistry, 2016, 291, 17209-17227. | 1.6 | 61 |
| 545 | Pathway and network-based strategies to translate genetic discoveries into effective therapies. Human Molecular Genetics, 2016, 25, R94-R98. | 1.4 | 33 |
| 546 | Rare variants in dementia genes and Parkinson's disease. European Journal of Human Genetics, 2016, 24, 1661-1662. | 1.4 | 0 |
| 547 | lon channel regulation by β-secretase BACE1 – enzymatic and non-enzymatic effects beyond Alzheimer's disease. Channels, 2016, 10, 365-378. | 1.5 | 26 |
| 548 | Immunotherapy Against Amyloid-β in Alzheimer's Disease: An Overview. Methods in Pharmacology and Toxicology, 2016, , 3-17. | 0.1 | 1 |
| 549 | Active Immunization Against the Amyloid- \hat{l}^2 Peptide. Methods in Pharmacology and Toxicology, 2016, , 19-35. | 0.1 | 0 |
| 550 | ABCA7 p.G215S as potential protective factor for Alzheimer's disease. Neurobiology of Aging, 2016, 46, 235.e1-235.e9. | 1.5 | 37 |
| 551 | Differential burden of rare protein truncating variants in Alzheimer's disease patients compared to centenarians. Human Molecular Genetics, 2016, 25, ddw150. | 1.4 | 10 |
| 552 | The Â-Secretase Modulator, BMS-932481, Modulates AÂ Peptides in the Plasma and Cerebrospinal Fluid of Healthy Volunteers. Journal of Pharmacology and Experimental Therapeutics, 2016, 358, 138-150. | 1.3 | 37 |
| 553 | ADAM30 Downregulates APP-Linked Defects Through Cathepsin D Activation in Alzheimer's Disease. EBioMedicine, 2016, 9, 278-292. | 2.7 | 40 |
| 554 | Alzheimer's disease due to loss of function: A new synthesis of the available data. Progress in Neurobiology, 2016, 143, 36-60. | 2.8 | 111 |
| 555 | Alzheimer's disease-like APP processing in wild-type mice identifies synaptic defects as initial steps of disease progression. Molecular Neurodegeneration, 2016, 11, 5. | 4.4 | 37 |
| 556 | Suspected non-Alzheimer disease pathophysiology $\hat{a}\in$ " concept and controversy. Nature Reviews Neurology, 2016, 12, 117-124. | 4.9 | 230 |
| 557 | Targeting the BACE1 Active Site Flap Leads to a Potent Inhibitor That Elicits Robust Brain $\hat{Al^2}$ Reduction in Rodents. ACS Medicinal Chemistry Letters, 2016, 7, 271-276. | 1.3 | 35 |
| 558 | Pharmacological properties of a novel and potent \hat{I}^3 -secretase modulator as a therapeutic option for the treatment of Alzheimer $\hat{a} \in \mathbb{N}$ s disease. Brain Research, 2016, 1633, 73-86. | 1.1 | 15 |
| 559 | Defining the Genetic Architecture of Alzheimer's Disease: Where Next?. Neurodegenerative Diseases, 2016, 16, 6-11. | 0.8 | 13 |
| 560 | The new β amyloid-derived peptide Aβ1–6A2V-TAT(D) prevents Aβ oligomer formation and protects transgenic C. elegans from Aβ toxicity. Neurobiology of Disease, 2016, 88, 75-84. | 2.1 | 17 |
| 561 | Genetics of Human Aging. , 2016, , 327-358. | | 0 |

| # | Article | IF | CITATIONS |
|-----|---|-----|-----------|
| 562 | Long noncoding RNAs in aging and age-related diseases. Ageing Research Reviews, 2016, 26, 1-21. | 5.0 | 96 |
| 563 | Characterization of $\hat{Al^2}$ Monomers through the Convergence of Ensemble Properties among Simulations with Multiple Force Fields. Journal of Physical Chemistry B, 2016, 120, 259-277. | 1.2 | 81 |
| 564 | Visualizing APP and BACE-1 approximation in neurons yields insight into the amyloidogenic pathway. Nature Neuroscience, 2016, 19, 55-64. | 7.1 | 168 |
| 565 | Preclinical Alzheimer's disease: Definition, natural history, and diagnostic criteria. Alzheimer's and Dementia, 2016, 12, 292-323. | 0.4 | 1,318 |
| 566 | Molecular genetics of earlyâ€onset Alzheimer's disease revisited. Alzheimer's and Dementia, 2016, 12, 733-748. | 0.4 | 409 |
| 567 | Advances in development of fluorescent probes for detecting amyloid-β aggregates. Acta Pharmacologica Sinica, 2016, 37, 719-730. | 2.8 | 67 |
| 568 | Actin dynamics and cofilinâ€ectin rods in alzheimer disease. Cytoskeleton, 2016, 73, 477-497. | 1.0 | 132 |
| 569 | The 5-Lipoxygenase as modulator of Alzheimer's γ-secretase and therapeutic target. Brain Research Bulletin, 2016, 126, 207-212. | 1.4 | 24 |
| 570 | Gamma Secretase Modulators: New Alzheimer's Drugs on the Horizon?. Journal of Medicinal Chemistry, 2016, 59, 7389-7409. | 2.9 | 118 |
| 571 | BACE1 Physiological Functions May Limit Its Use as Therapeutic Target for Alzheimer's Disease. Trends in Neurosciences, 2016, 39, 158-169. | 4.2 | 142 |
| 572 | The rise and fall of insulin signaling in Alzheimer's disease. Metabolic Brain Disease, 2016, 31, 497-515. | 1.4 | 42 |
| 573 | Identification of "sarsasapogenin-aglyconed―timosaponins as novel Aβ-lowering modulators of amyloid precursor protein processing. Chemical Science, 2016, 7, 3206-3214. | 3.7 | 16 |
| 574 | Single administration of a novel \hat{I}^3 -secretase modulator ameliorates cognitive dysfunction in aged C57BL/6J mice. Brain Research, 2016, 1633, 52-61. | 1.1 | 1 |
| 575 | Defeating Alzheimer's disease and other dementias: a priority for European science and society. Lancet Neurology, The, 2016, 15, 455-532. | 4.9 | 1,242 |
| 576 | Endogenous APP accumulates in synapses after BACE1 inhibition. Neuroscience Research, 2016, 109, 9-15. | 1.0 | 5 |
| 577 | Interaction mechanism exploration of HEA derivatives as BACE1 inhibitors by in silico analysis. Molecular BioSystems, 2016, 12, 1151-1165. | 2.9 | 11 |
| 578 | The Amyloid β Precursor Protein and Cognitive Function in Alzheimer's Disease., 2016,, 97-133. | | 2 |
| 579 | Novel PSEN1 mutations (H214N and R220P) associated with familial Alzheimer's disease identified by targeted exome sequencing. Neurobiology of Aging, 2016, 40, 192.e7-192.e11. | 1.5 | 15 |

| # | Article | IF | CITATIONS |
|-----|--|-----|-----------|
| 580 | Structure-Based Design of an Iminoheterocyclic \hat{l}^2 -Site Amyloid Precursor Protein Cleaving Enzyme (BACE) Inhibitor that Lowers Central A \hat{l}^2 in Nonhuman Primates. Journal of Medicinal Chemistry, 2016, 59, 3231-3248. | 2.9 | 36 |
| 581 | The Triggering Receptor Expressed on Myeloid Cells 2: A Molecular Link of Neuroinflammation and Neurodegenerative Diseases. Journal of Biological Chemistry, 2016, 291, 4334-4341. | 1.6 | 61 |
| 582 | βâ€Amyloid pathogenesis: Chemical properties versus cellular levels. Alzheimer's and Dementia, 2016, 12, 184-194. | 0.4 | 28 |
| 583 | Interpretation of mushroom as a common therapeutic agent for Alzheimer's disease and cardiovascular diseases. Critical Reviews in Biotechnology, 2016, 36, 1131-1142. | 5.1 | 22 |
| 584 | APOE*E2 allele delays age of onset in PSEN1 E280A Alzheimer's disease. Molecular Psychiatry, 2016, 21, 916-924. | 4.1 | 89 |
| 585 | Suppressor Mutations for Presenilin 1 Familial Alzheimer Disease Mutants Modulate Î ³ -Secretase Activities. Journal of Biological Chemistry, 2016, 291, 435-446. | 1.6 | 16 |
| 586 | Updating the Cognitive Performance Scale. Journal of Geriatric Psychiatry and Neurology, 2016, 29, 47-55. | 1.2 | 47 |
| 587 | Therapeutic strategies for Alzheimer's disease in clinical trials. Pharmacological Reports, 2016, 68, 127-138. | 1.5 | 357 |
| 588 | Potential of tocotrienols in the prevention and therapy of Alzheimer's disease. Journal of Nutritional Biochemistry, 2016, 31, 1-9. | 1.9 | 33 |
| 589 | Alzheimer's as a Systems-Level Disease Involving the Interplay of Multiple Cellular Networks. Methods in Molecular Biology, 2016, 1303, 3-48. | 0.4 | 33 |
| 590 | Next Generation Sequencing in Alzheimer's Disease. Methods in Molecular Biology, 2016, 1303, 281-297. | 0.4 | 18 |
| 591 | New Insights into Epigenetic and Pharmacological Regulation of Amyloid-Degrading Enzymes. Neurochemical Research, 2016, 41, 620-630. | 1.6 | 20 |
| 592 | Why therapies for Alzheimer's disease do not work: Do we have consensus over the path to follow?. Ageing Research Reviews, 2016, 25, 70-84. | 5.0 | 23 |
| 593 | Dissecting Complex and Multifactorial Nature of Alzheimer's Disease Pathogenesis: a Clinical, Genomic, and Systems Biology Perspective. Molecular Neurobiology, 2016, 53, 4833-4864. | 1.9 | 52 |
| 594 | Interaction between variants in <i>CLU</i> and <i>MS4A4E</i> modulates Alzheimer's disease risk. Alzheimer's and Dementia, 2016, 12, 121-129. | 0.4 | 18 |
| 595 | The genetic landscape of Alzheimer disease: clinical implications and perspectives. Genetics in Medicine, 2016, 18, 421-430. | 1.1 | 695 |
| 596 | Anti-amyloid Aggregation Activity of Natural Compounds: Implications for Alzheimer's Drug Discovery. Molecular Neurobiology, 2016, 53, 3565-3575. | 1.9 | 73 |
| 597 | Translating Neurogenomics Into New Medicines. Biological Psychiatry, 2016, 79, 650-656. | 0.7 | 12 |

| # | Article | IF | CITATIONS |
|-----|--|-----|-----------|
| 598 | Protein aggregation and neurodegeneration in prototypical neurodegenerative diseases: Examples of amyloidopathies, tauopathies and synucleinopathies. Progress in Neurobiology, 2017, 155, 171-193. | 2.8 | 137 |
| 599 | Molecular and cellular aspects of age-related cognitive decline and Alzheimer's disease. Behavioural Brain Research, 2017, 322, 191-205. | 1.2 | 45 |
| 600 | Monoaminergic neuropathology in Alzheimer's disease. Progress in Neurobiology, 2017, 151, 101-138. | 2.8 | 206 |
| 601 | Brain biometals and Alzheimer's disease – boon or bane?. International Journal of Neuroscience, 2017, 127, 99-108. | 0.8 | 48 |
| 602 | Precise and efficient scarless genome editing in stem cells using CORRECT. Nature Protocols, 2017, 12, 329-354. | 5.5 | 81 |
| 603 | Prophylactic active immunization with a novel epitope vaccine improves cognitive ability by decreasing amyloid plaques and neuroinflammation in APP/PS1 transgenic mice. Neuroscience Research, 2017, 119, 7-14. | 1.0 | 5 |
| 604 | Gleevec shifts APP processing from a \hat{l}^2 -cleavage to a nonamyloidogenic cleavage. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1389-1394. | 3.3 | 22 |
| 605 | Comparison of Efficacy of Preventive and Therapeutic Vaccines Targeting the N Terminus of β-Amyloid in an Animal Model of Alzheimer's Disease. Molecular Therapy, 2017, 25, 153-164. | 3.7 | 13 |
| 606 | Discovery and functional prioritization of Parkinson's disease candidate genes from large-scale whole exome sequencing. Genome Biology, 2017, 18, 22. | 3.8 | 96 |
| 607 | Aberrant proteolytic processing and therapeutic strategies in Alzheimer disease. Advances in Biological Regulation, 2017, 64, 33-38. | 1.4 | 30 |
| 608 | Comprehensive Screening for Disease Risk Variants in Early-Onset Alzheimer's Disease Genes in African Americans Identifies Novel PSEN Variants. Journal of Alzheimer's Disease, 2017, 56, 1215-1222. | 1.2 | 4 |
| 609 | Design, Synthesis, and Evaluation of a Novel Series of Oxadiazine Gamma Secretase Modulators for Familial Alzheimer's Disease. Journal of Medicinal Chemistry, 2017, 60, 2383-2400. | 2.9 | 22 |
| 610 | Clearance of cerebral $\hat{Al^2}$ in Alzheimer $\hat{a} \in \mathbb{N}$ s disease: reassessing the role of microglia and monocytes. Cellular and Molecular Life Sciences, 2017, 74, 2167-2201. | 2.4 | 199 |
| 611 | BACE1 across species: a comparison of the in vivo consequences of BACE1 deletion in mice and rats. Scientific Reports, 2017, 7, 44249. | 1.6 | 12 |
| 612 | Systems biology approach to late-onset Alzheimer's disease genome-wide association study identifies novel candidate genes validated using brain expression data and Caenorhabditis elegans experiments. , 2017, 13, 1133-1142. | | 40 |
| 613 | Flexible Nâ€Termini of Amyloid βâ€Protein Oligomers: A Link between Structure and Activity?. Israel Journal of Chemistry, 2017, 57, 651-664. | 1.0 | 8 |
| 614 | Rare variant of <i><scp>MAP2K7</scp></i> is associated with increased risk of <scp>COPD</scp> in southern and eastern Chinese. Respirology, 2017, 22, 691-698. | 1.3 | 1 |
| 615 | Biological basis for amyloidogenesis in Alzheimer'S disease. Biochemistry (Moscow), 2017, 82, 122-139. | 0.7 | 25 |

| # | Article | IF | CITATIONS |
|-----|---|-----|-----------|
| 616 | N-Terminal Hypothesis for Alzheimer's Disease. ACS Chemical Neuroscience, 2017, 8, 432-434. | 1.7 | 29 |
| 617 | Interactions of pathological proteins in neurodegenerative diseases. Acta Neuropathologica, 2017, 134, 187-205. | 3.9 | 288 |
| 618 | Preclinical models of Alzheimer's disease for identification and preclinical validation of therapeutic targets: from fine-tuning strategies for validated targets to new venues for therapy. , 2017, , 115-156. | | 2 |
| 619 | Network-assisted analysis of GWAS data identifies a functionally-relevant gene module for childhood-onset asthma. Scientific Reports, 2017, 7, 938. | 1.6 | 14 |
| 620 | Blood–Brain Barrier Transporters and Neuroinflammation: Partners in Neuroprotection and in Pathology. , 2017, , 103-151. | | 2 |
| 621 | Genetics of common complex diseases: a view from Iceland. European Journal of Internal Medicine, 2017, 41, 3-9. | 1.0 | 3 |
| 622 | Recent Progress in Alzheimer's Disease Research, Part 2: Genetics and Epidemiology. Journal of Alzheimer's Disease, 2017, 57, 317-330. | 1.2 | 131 |
| 623 | Pharmacological tools based on imidazole scaffold proved the utility of PDE10A inhibitors for Parkinson's disease. Future Medicinal Chemistry, 2017, 9, 731-748. | 1.1 | 11 |
| 624 | Pathogenic A \hat{l}^2 A2V versus protective A \hat{l}^2 A2T mutation: Early stage aggregation and membrane interaction. Biophysical Chemistry, 2017, 229, 11-18. | 1.5 | 16 |
| 625 | Candidate gene analysis for Alzheimer's disease in adults with Down syndrome. Neurobiology of Aging, 2017, 56, 150-158. | 1.5 | 22 |
| 626 | Dysregulated Metabolism of the Amyloidâ€Î² Protein and Therapeutic Approaches in Alzheimer Disease. Journal of Cellular Biochemistry, 2017, 118, 4183-4190. | 1.2 | 34 |
| 627 | Development of 2-aminooxazoline 3-azaxanthene \hat{l}^2 -amyloid cleaving enzyme (BACE) inhibitors with improved selectivity against Cathepsin D. MedChemComm, 2017, 8, 1196-1206. | 3.5 | 16 |
| 628 | <i>para</i> â€Sulfonatocalix[<i>n</i>]arenes Inhibit Amyloid βâ€Peptide Fibrillation and Reduce Amyloid Cytotoxicity. Chemistry - an Asian Journal, 2017, 12, 341-346. | 1.7 | 21 |
| 629 | BACE1 Inhibitor Lanabecestat (AZD3293) in a Phase 1 Study of Healthy Japanese Subjects: Pharmacokinetics and Effects on Plasma and Cerebrospinal Fluid Al 2 Peptides. Journal of Clinical Pharmacology, 2017, 57, 1460-1471. | 1.0 | 44 |
| 630 | Strengthening the Case for Epilepsy Drug Development: Bridging Experiences from the Alzheimer's Disease Fieldâ€"An Opinion. Neurochemical Research, 2017, 42, 2099-2115. | 1.6 | 3 |
| 631 | State of Play in Alzheimer's Disease Genetics. Journal of Alzheimer's Disease, 2017, 58, 631-659. | 1.2 | 34 |
| 632 | Alzheimer's disease: How metal ions define β-amyloid function. Coordination Chemistry Reviews, 2017, 351, 127-159. | 9.5 | 120 |
| 633 | BACE1 Cleavage Site Selection Critical for Amyloidogenesis and Alzheimer's Pathogenesis. Journal of Neuroscience, 2017, 37, 6915-6925. | 1.7 | 81 |

| # | Article | IF | CITATIONS |
|-----|---|---------------|-----------|
| 634 | A Translational Systems Pharmacology Model for $\hat{Al^2}$ Kinetics in Mouse, Monkey, and Human. CPT: Pharmacometrics and Systems Pharmacology, 2017, 6, 666-675. | 1.3 | 11 |
| 635 | The double-edged role of copper in the fate of amyloid beta in the presence of anti-oxidants. Chemical Science, 2017, 8, 6155-6164. | 3.7 | 20 |
| 636 | Small things matter: Implications of APP intracellular domain AICD nuclear signaling in the progression and pathogenesis of Alzheimer's disease. Progress in Neurobiology, 2017, 156, 189-213. | 2.8 | 54 |
| 637 | Alzheimer's disease: where next for anti-amyloid therapies?. Brain, 2017, 140, 853-855. | 3.7 | 57 |
| 639 | High-Resolution Structures of the Amyloid-β 1–42 Dimers from the Comparison of Four Atomistic Force Fields. Journal of Physical Chemistry B, 2017, 121, 5977-5987. | 1.2 | 120 |
| 640 | Decreased plasma βâ€amyloid in the Alzheimer's disease <scp><i>APP</i></scp> <scp>A</scp> 673 <scp>T</scp> variant carriers. Annals of Neurology, 2017, 82, 128-132. | 2.8 | 39 |
| 641 | Genetic association study of exfoliation syndrome identifies a protective rare variant at LOXL1 and five new susceptibility loci. Nature Genetics, 2017, 49, 993-1004. | 9.4 | 114 |
| 642 | Is Sleep Disruption a Risk Factor for Alzheimer's Disease?. Journal of Alzheimer's Disease, 2017, 58, 993-1002. | 1,2 | 43 |
| 643 | Alzheimer Disease. Mayo Clinic Proceedings, 2017, 92, 978-994. | 1.4 | 57 |
| 644 | The impact of rare and low-frequency genetic variants in common disease. Genome Biology, 2017, 18, 77. | 3.8 | 277 |
| 645 | Association Between Elevated Brain Amyloid and Subsequent Cognitive Decline Among Cognitively Normal Persons. JAMA - Journal of the American Medical Association, 2017, 317, 2305. | 3.8 | 311 |
| 646 | Stem cell models of Alzheimer's disease: progress and challenges. Alzheimer's Research and Therapy, 2017, 9, 42. | 3.0 | 112 |
| 647 | Hétérogénéité génétique de la maladie d'AlzheimerÂ: des mutations causales aux facteurs de génétiques rares et fréquents. Pratique Neurologique - FMC, 2017, 8, 96-105. | risque 0.1 | 0 |
| 648 | Paradigm shift from diagnosing patients based on common symptoms to categorizing patients into subtypes with different pathogenic mechanisms to guide treatment for Alzheimer's disease. Journal of Biochemistry, 2017, 161, 463-470. | 0.9 | 3 |
| 650 | An intranasally delivered peptide drug ameliorates cognitive decline in Alzheimer transgenic mice. EMBO Molecular Medicine, 2017, 9, 703-715. | 3.3 | 54 |
| 651 | Aminomethyl-Derived Beta Secretase (BACE1) Inhibitors: Engaging Gly230 without an Anilide Functionality. Journal of Medicinal Chemistry, 2017, 60, 386-402. | 2.9 | 33 |
| 652 | Genetics of \hat{l}^2 -Amyloid Precursor Protein in Alzheimer's Disease. Cold Spring Harbor Perspectives in Medicine, 2017, 7, a024539. | 2.9 | 118 |
| 653 | Generation of Amyloidâ€Î² Peptides by γâ€Secretase. Israel Journal of Chemistry, 2017, 57, 574-585. | 1.0 | 1 |

| # | Article | IF | CITATIONS |
|-----|---|-----|-----------|
| 654 | Molecular Genetics of Neurodegenerative Dementias. Cold Spring Harbor Perspectives in Biology, 2017, 9, a023705. | 2.3 | 51 |
| 655 | Genome-wide, high-content siRNA screening identifies the Alzheimer's genetic risk factor FERMT2 as a major modulator of APP metabolism. Acta Neuropathologica, 2017, 133, 955-966. | 3.9 | 60 |
| 656 | Genomic variants, genes, and pathways of Alzheimer's disease: An overview. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2017, 174, 5-26. | 1.1 | 147 |
| 657 | Endosomal Traffic Jams Represent a Pathogenic Hub and Therapeutic Target in Alzheimer's Disease. Trends in Neurosciences, 2017, 40, 592-602. | 4.2 | 114 |
| 658 | Using chirality to probe the conformational dynamics and assembly of intrinsically disordered amyloid proteins. Scientific Reports, 2017, 7, 12433. | 1.6 | 37 |
| 659 | Identification of key regions and residues controlling $\hat{Al^2}$ folding and assembly. Scientific Reports, 2017, 7, 12434. | 1.6 | 20 |
| 660 | M344 promotes nonamyloidogenic amyloid precursor protein processing while normalizing Alzheimer's disease genes and improving memory. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9135-E9144. | 3.3 | 50 |
| 661 | Central and peripheral circadian clocks and their role in Alzheimer's disease. DMM Disease Models and Mechanisms, 2017, 10, 1187-1199. | 1.2 | 44 |
| 662 | Lack of BACE1 S-palmitoylation reduces amyloid burden and mitigates memory deficits in transgenic mouse models of Alzheimer's disease. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9665-E9674. | 3.3 | 51 |
| 663 | A Framework of Real-time Wandering Management for Person with Dementia. , 2017, , . | | 6 |
| 664 | The Pathogenic A2V Mutant Exhibits Distinct Aggregation Kinetics, Metal Site Structure, and Metal Exchange of the Cu ²⁺ –Aβ Complex. Chemistry - A European Journal, 2017, 23, 13591-13595. | 1.7 | 17 |
| 665 | Genetics of Alzheimer's disease: From pathogenesis to clinical usage. Journal of Clinical Neuroscience, 2017, 45, 1-8. | 0.8 | 33 |
| 666 | Widespread brain distribution and activity following i.c.v. infusion of antiâ€Î²â€secretase (BACE1) in nonhuman primates. British Journal of Pharmacology, 2017, 174, 4173-4185. | 2.7 | 40 |
| 667 | A Toxic Conformer of Aβ42 with a Turn at 22–23 is a Novel Therapeutic Target for Alzheimer's Disease. Scientific Reports, 2017, 7, 11811. | 1.6 | 23 |
| 668 | Review: Neuropathology and behavioural features of transgenic murine models of Alzheimer's disease. Neuropathology and Applied Neurobiology, 2017, 43, 553-570. | 1.8 | 46 |
| 669 | Emergence of Alternative Structures in Amyloid Beta 1-42 Monomeric Landscape by N-terminal Hexapeptide Amyloid Inhibitors. Scientific Reports, 2017, 7, 9941. | 1.6 | 23 |
| 670 | Discovery of a Tetrahydrobenzisoxazole Series of \hat{I}^3 -Secretase Modulators. ACS Medicinal Chemistry Letters, 2017, 8, 1002-1006. | 1.3 | 9 |
| 671 | Near-infrared spectroscopy (NIRS) and vagus somatosensory evoked potentials (VSEP) in the early diagnosis of Alzheimer's disease: rationale, design, methods, and first baseline data of the Vogel study. Journal of Neural Transmission, 2017, 124, 1473-1488. | 1.4 | 15 |

| # | Article | IF | CITATIONS |
|-----|--|-----|-----------|
| 672 | Amyloid \hat{l}^2 Fibril Elongation by Monomers Involves Disorder at the Tip. Journal of Chemical Theory and Computation, 2017, 13, 5117-5130. | 2.3 | 34 |
| 673 | BACE inhibition-dependent repair of Alzheimer's pathophysiology. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8631-8636. | 3.3 | 93 |
| 674 | Rare coding variants in PLCG2, ABI3, and TREM2 implicate microglial-mediated innate immunity in Alzheimer's disease. Nature Genetics, 2017, 49, 1373-1384. | 9.4 | 783 |
| 675 | Contribution to Alzheimer's disease risk of rare variants in TREM2, SORL1, and ABCA7 in 1779 cases and 1273 controls. Neurobiology of Aging, 2017, 59, 220.e1-220.e9. | 1.5 | 116 |
| 676 | BACE1 Deficiency Causes Abnormal Neuronal Clustering in the Dentate Gyrus. Stem Cell Reports, 2017, 9, 217-230. | 2.3 | 4 |
| 677 | The Alzheimer's disease–protective CD33 splice variant mediates adaptive loss of function via diversion to an intracellular pool. Journal of Biological Chemistry, 2017, 292, 15312-15320. | 1.6 | 63 |
| 678 | Bayesian analysis of genetic association across tree-structured routine healthcare data in the UK Biobank. Nature Genetics, 2017, 49, 1311-1318. | 9.4 | 56 |
| 679 | Filling the void: a role for exercise-induced BDNF and brain amyloid precursor protein processing. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2017, 313, R585-R593. | 0.9 | 25 |
| 680 | Beta-secretase inhibitors in phase I and phase II clinical trials for Alzheimer's disease. Expert Opinion on Investigational Drugs, 2017, 26, 1131-1136. | 1.9 | 44 |
| 681 | <scp>APP</scp> mouse models for Alzheimer's disease preclinical studies. EMBO Journal, 2017, 36, 2473-2487. | 3.5 | 530 |
| 682 | Neuroprotective astrocyte-derived insulin/insulin-like growth factor 1 stimulates endocytic processing and extracellular release of neuron-bound $\hat{Al^2}$ oligomers. Molecular Biology of the Cell, 2017, 28, 2623-2636. | 0.9 | 88 |
| 683 | The role of astrocytes in amyloid production and Alzheimer's disease. Open Biology, 2017, 7, 170228. | 1.5 | 269 |
| 684 | iPSC-Based Compound Screening and InÂVitro Trials Identify a Synergistic Anti-amyloid β Combination for Alzheimer's Disease. Cell Reports, 2017, 21, 2304-2312. | 2.9 | 161 |
| 685 | The $\hat{Al^2}$ oligomer eliminating D-enantiomeric peptide RD2 improves cognition without changing plaque pathology. Scientific Reports, 2017, 7, 16275. | 1.6 | 42 |
| 686 | Genetics of Alzheimer's disease: an update. Future Neurology, 2017, 12, 237-247. | 0.9 | 0 |
| 687 | Better beings?. Nature Biotechnology, 2017, 35, 1006-1011. | 9.4 | 7 |
| 688 | Oxalate-curcumin–based probe for micro- and macroimaging of reactive oxygen species in Alzheimer's disease. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12384-12389. | 3.3 | 102 |
| 689 | Modern probabilistic and statistical approaches to search for nucleotide sequence options associated with integrated diseases. Russian Journal of Genetics, 2017, 53, 1091-1104. | 0.2 | 3 |

| # | Article | IF | CITATIONS |
|-----|---|------|-----------|
| 690 | A novel fluorescent probe reveals starvation controls the commitment of amyloid precursor protein to the lysosome. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 1554-1565. | 1.9 | 19 |
| 691 | Excess APP <i>O</i> -glycosylation by GalNAc-T6 decreases Aβ production. Journal of Biochemistry, 2017, 161, 99-111. | 0.9 | 31 |
| 692 | Alzheimer's Protective Cross-Interaction between Wild-Type and A2T Variants Alters Aβ ₄₂ Dimer Structure. ACS Chemical Neuroscience, 2017, 8, 606-618. | 1.7 | 45 |
| 693 | Coarseâ€grained and Allâ€atom Simulations towards the Early and Late Steps of Amyloid Fibril Formation. Israel Journal of Chemistry, 2017, 57, 564-573. | 1.0 | 23 |
| 694 | Leveraging human genetics to guide drug target discovery. Trends in Cardiovascular Medicine, 2017, 27, 352-359. | 2.3 | 26 |
| 695 | Proteins behaving badly. Substoichiometric molecular control and amplification of the initiation and nature of amyloid fibril formation: lessons from and for blood clotting. Progress in Biophysics and Molecular Biology, 2017, 123, 16-41. | 1.4 | 64 |
| 696 | Increased Foxo3a Nuclear Translocation and Activity is an Early Neuronal Response to Î ² Î ³ -Secretase-Mediated Processing of the Amyloid-Î ² Protein Precursor: Utility of an AÎ ² PP-GAL4 Reporter Assay. Journal of Alzheimer's Disease, 2017, 61, 673-688. | 1.2 | 11 |
| 697 | Implication of the APP Gene in Intellectual Abilities. Journal of Alzheimer's Disease, 2017, 59, 723-735. | 1.2 | 13 |
| 698 | Perplexity of Amyloid <i>î²</i> -Protein Oligomer Formation: Relevance to Alzheimer's Disease. World Scientific Lecture and Course Notes in Chemistry, 2017, , 1-50. | 0.2 | 4 |
| 699 | Systems healthcare: a holistic paradigm for tomorrow. BMC Systems Biology, 2017, 11, 142. | 3.0 | 22 |
| 700 | Physiological and pathophysiological control of synaptic GluN2B-NMDA receptors by the C-terminal domain of amyloid precursor protein. ELife, 2017, 6, . | 2.8 | 29 |
| 701 | Molecular mechanisms of the genetic risk factors in pathogenesis of Alzheimer disease. Frontiers in Bioscience - Landmark, 2017, 22, 180-192. | 3.0 | 14 |
| 702 | Targeting β-Secretase (BACE) for the Treatment of Alzheimer's Disease. , 2017, , 326-383. | | 11 |
| 703 | β-Amyloid and the Pathomechanisms of Alzheimer's Disease: A Comprehensive View. Molecules, 2017, 22, 1692. | 1.7 | 82 |
| 704 | BACE1 Function and Inhibition: Implications of Intervention in the Amyloid Pathway of Alzheimer's Disease Pathology. Molecules, 2017, 22, 1723. | 1.7 | 89 |
| 705 | Neuroprotective Actions of Dietary Choline. Nutrients, 2017, 9, 815. | 1.7 | 154 |
| 706 | Stop Alzheimer's before it starts. Nature, 2017, 547, 153-155. | 13.7 | 189 |
| 707 | A Genetic Population Isolate in The Netherlands Showing Extensive Haplotype Sharing and Long Regions of Homozygosity. Genes, 2017, 8, 133. | 1.0 | 7 |

| # | Article | IF | Citations |
|-----|---|-----|-----------|
| 708 | Nuclear Factor-Kappa B and Alzheimer Disease, Unifying Genetic and Environmental Risk Factors from Cell to Humans. Frontiers in Immunology, 2017, 8, 1805. | 2.2 | 104 |
| 709 | Cross-Sectional and Longitudinal Effects of CREB1 Genotypes on Individual Differences in Memory and Executive Function: Findings from the BLSA. Frontiers in Aging Neuroscience, 2017, 9, 142. | 1.7 | 10 |
| 710 | The Role of Microglia in Prion Diseases: A Paradigm of Functional Diversity. Frontiers in Aging Neuroscience, 2017, 9, 207. | 1.7 | 51 |
| 711 | The Metalloprotease Meprin \hat{l}^2 Is an Alternative \hat{l}^2 -Secretase of APP. Frontiers in Molecular Neuroscience, 2016, 9, 159. | 1.4 | 43 |
| 712 | Detecting At-Risk Alzheimer's Disease Cases. Journal of Alzheimer's Disease, 2017, 60, 97-105. | 1.2 | 42 |
| 713 | Numerical Simulations Reveal Randomness of Cu(II) Induced $\hat{Al^2}$ Peptide Dimerization under Conditions Present in Glutamatergic Synapses. PLoS ONE, 2017, 12, e0170749. | 1.1 | 19 |
| 714 | Interactions within the MHC contribute to the genetic architecture of celiac disease. PLoS ONE, 2017, 12, e0172826. | 1.1 | 16 |
| 715 | Alzheimer's amyloid-β A2T variant and its N-terminal peptides inhibit amyloid-β fibrillization and rescue the induced cytotoxicity. PLoS ONE, 2017, 12, e0174561. | 1.1 | 24 |
| 716 | Multiscale network modeling of oligodendrocytes reveals molecular components of myelin dysregulation in Alzheimer's disease. Molecular Neurodegeneration, 2017, 12, 82. | 4.4 | 100 |
| 717 | Linkage, whole genome sequence, and biological data implicate variants in RAB10 in Alzheimer's disease resilience. Genome Medicine, 2017, 9, 100. | 3.6 | 67 |
| 718 | Non-canonical soluble amyloid-beta aggregates and plaque buffering: controversies and future directions for target discovery in Alzheimer's disease. Alzheimer's Research and Therapy, 2017, 9, 62. | 3.0 | 62 |
| 719 | Role of BACE1 in Alzheimer's synaptic function. Translational Neurodegeneration, 2017, 6, 23. | 3.6 | 80 |
| 720 | Mutation-induced loss of APP function causes GABAergic depletion in recessive familial Alzheimer's disease: analysis of Osaka mutation-knockin mice. Acta Neuropathologica Communications, 2017, 5, 59. | 2.4 | 23 |
| 721 | Rare non-coding variants are associated with plasma lipid traits in a founder population. Scientific Reports, 2017, 7, 16415. | 1.6 | 31 |
| 722 | From Nose to Brain: The Promise of Peptide Therapy for Alzheimer's Disease and Other Neurodegenerative Diseases. , 2017, 07, . | | 9 |
| 723 | The past, present, and future of disease-modifying therapies for Alzheimer's disease. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2017, 93, 757-771. | 1.6 | 31 |
| 725 | The genetic landscape of Alzheimer disease. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 148, 395-408. | 1.0 | 86 |
| 726 | Differential effect of amyloid beta peptides on mitochondrial axonal trafficking depends on their state of aggregation and binding to the plasma membrane. Neurobiology of Disease, 2018, 114, 1-16. | 2.1 | 34 |

| # | Article | IF | Citations |
|-----|---|-----|-----------|
| 727 | Pathogenesis of Idiopathic Scoliosis., 2018,,. | | 8 |
| 728 | The Genetic Architecture of Adolescent Idiopathic Scoliosis. , 2018, , 51-74. | | 1 |
| 729 | Weaker N-Terminal Interactions for the Protective over the Causative $\hat{Al^2}$ Peptide Dimer Mutants. ACS Chemical Neuroscience, 2018, 9, 1247-1253. | 1.7 | 18 |
| 730 | MicroRNA-132 is associated with the cognition improvement following voluntary exercise in SAMP8 mice. Brain Research Bulletin, 2018, 140, 80-87. | 1.4 | 28 |
| 731 | Analysis of state laws on informed consent for clinical genetic testing in the era of genomic sequencing. American Journal of Medical Genetics, Part C: Seminars in Medical Genetics, 2018, 178, 81-88. | 0.7 | 15 |
| 732 | Evaluation of Animal Models by Comparison with Human Late-Onset Alzheimer's Disease. Molecular Neurobiology, 2018, 55, 9234-9250. | 1.9 | 19 |
| 733 | Design and Synthesis of Clinical Candidate PF-06751979: A Potent, Brain Penetrant, \hat{l}^2 -Site Amyloid Precursor Protein Cleaving Enzyme 1 (BACE1) Inhibitor Lacking Hypopigmentation. Journal of Medicinal Chemistry, 2018, 61, 4476-4504. | 2.9 | 35 |
| 734 | Toward \hat{l}^2 -Secretase-1 Inhibitors with Improved Isoform Selectivity. Journal of Medicinal Chemistry, 2018, 61, 3491-3502. | 2.9 | 26 |
| 735 | Association between BACE1 gene polymorphisms and focal seizures in a Chinese Han population. Medicine (United States), 2018, 97, e0222. | 0.4 | 0 |
| 736 | Diastereoselective synthesis of fused cyclopropyl-3-amino-2,4-oxazine \hat{I}^2 -amyloid cleaving enzyme (BACE) inhibitors and their biological evaluation. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 1111-1115. | 1.0 | 18 |
| 737 | BACE1 deletion in the adult mouse reverses preformed amyloid deposition and improves cognitive functions. Journal of Experimental Medicine, 2018, 215, 927-940. | 4.2 | 92 |
| 738 | Secretase inhibitors for the treatment of Alzheimer's disease: Long road ahead. European Journal of Medicinal Chemistry, 2018, 148, 436-452. | 2.6 | 121 |
| 739 | APLP1 is endoproteolytically cleaved by \hat{I}^3 -secretase without previous ectodomain shedding. Scientific Reports, 2018, 8, 1916. | 1.6 | 22 |
| 740 | Adrenergic Beta Receptor Kinase 1 (Adrbk1)., 2018,, 238-238. | | 0 |
| 741 | Amphoterin., 2018,, 312-312. | | 0 |
| 742 | ATP Binding Cassette Transporter A1., 2018,, 476-476. | | 0 |
| 743 | ACAP1., 2018,, 75-82. | | 0 |
| 744 | Aquaporin. , 2018, , 374-390. | | 1 |

| # | Article | IF | Citations |
|-------------|--|-----|-----------|
| 745 | Role of Amyloid Precursor Protein (APP) and Its Derivatives in the Biology and Cell Fate Specification of Neural Stem Cells. Molecular Neurobiology, 2018, 55, 7107-7117. | 1.9 | 56 |
| 746 | Peripheral Activity and Central Substrates of BACE1: Therapeutic Implications for Alzheimer's Disease. Biological Psychiatry, 2018, 83, 393-394. | 0.7 | 3 |
| 747 | New Insights on the Role of Residue 673 of APP in Alzheimer's Disease. Journal of Neuroscience, 2018, 38, 515-517. | 1.7 | 4 |
| 748 | Adenyl Cyclase. , 2018, , 186-186. | | 0 |
| 749 | Metabotropic glutamate receptors: the potential for therapeutic applications in Alzheimer's disease. Current Opinion in Pharmacology, 2018, 38, 1-7. | 1.7 | 29 |
| 7 50 | Heterozygous TYROBP deletion (PLOSLFIN) is not a strong risk factor for cognitive impairment. Neurobiology of Aging, 2018, 64, 159.e1-159.e4. | 1.5 | 3 |
| 751 | Melatonin protects against A <i>β</i> à€induced neurotoxicity in primary neurons via miRâ€132/PTEN/AKT/FOXO3a pathway. BioFactors, 2018, 44, 609-618. | 2.6 | 38 |
| 752 | BACE1 inhibition more effectively suppresses initiation than progression of \hat{l}^2 -amyloid pathology. Acta Neuropathologica, 2018, 135, 695-710. | 3.9 | 64 |
| 753 | Reconstructing an African haploid genome from the 18th century. Nature Genetics, 2018, 50, 199-205. | 9.4 | 15 |
| 754 | Clinical Bioavailability of the Novel BACE1 Inhibitor Lanabecestat (AZD3293): Assessment of Tablet Formulations Versus an Oral Solution and the Impact of Gastric pH on Pharmacokinetics. Clinical Pharmacology in Drug Development, 2018, 7, 233-243. | 0.8 | 9 |
| 755 | The $A\hat{l}^2$ protofibril selective antibody mAb158 prevents accumulation of $A\hat{l}^2$ in astrocytes and rescues neurons from $A\hat{l}^2$ -induced cell death. Journal of Neuroinflammation, 2018, 15, 98. | 3.1 | 44 |
| 756 | Generation of App knock-in mice reveals deletion mutations protective against Alzheimer's disease-like pathology. Nature Communications, 2018, 9, 1800. | 5.8 | 33 |
| 757 | Genetic Risk Factors for Complex Forms of Alzheimer's Disease. , 2018, , 51-76. | | 0 |
| 758 | Fluorescence imaging of the interaction of amyloid beta 40 peptides with live cells and model membrane. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 1609-1615. | 1.4 | 10 |
| 759 | Binding Modes of Phthalocyanines to Amyloid \hat{l}^2 Peptide and Their Effects on Amyloid Fibril Formation. Biophysical Journal, 2018, 114, 1036-1045. | 0.2 | 15 |
| 760 | Packing Density of the Amyloid Precursor Protein inÂthe Cell Membrane. Biophysical Journal, 2018, 114, 1128-1141. | 0.2 | 10 |
| 761 | Targeting Amyloid- \hat{l}^2 Precursor Protein, APP, Splicing with Antisense Oligonucleotides Reduces Toxic Amyloid- \hat{l}^2 Production. Molecular Therapy, 2018, 26, 1539-1551. | 3.7 | 27 |
| 762 | Rare human Caspase-6-R65W and Caspase-6-G66R variants identify a novel regulatory region of Caspase-6 activity. Scientific Reports, 2018, 8, 4428. | 1.6 | 9 |

| # | Article | IF | CITATIONS |
|-----|--|-----|-----------|
| 763 | Mendelian adult-onset leukodystrophy genes in Alzheimer's disease: critical influence of CSF1R and NOTCH3. Neurobiology of Aging, 2018, 66, 179.e17-179.e29. | 1.5 | 32 |
| 764 | CRISPR/Cas9 Mediated Disruption of the Swedish APP Allele as a Therapeutic Approach for Early-Onset Alzheimer's Disease. Molecular Therapy - Nucleic Acids, 2018, 11, 429-440. | 2.3 | 116 |
| 765 | Zinc ion rapidly induces toxic, off-pathway amyloid-β oligomers distinct from amyloid-β derived diffusible ligands in Alzheimer's disease. Scientific Reports, 2018, 8, 4772. | 1.6 | 104 |
| 766 | Looking at the Disordered Proteins through the Computational Microscope. ACS Central Science, 2018, 4, 534-542. | 5.3 | 46 |
| 767 | Genetic Complexity of Early-Onset Alzheimer's Disease. , 2018, , 29-50. | | 7 |
| 768 | Translational Research in Alzheimer's and Prion Diseases. Journal of Alzheimer's Disease, 2018, 62, 1247-1259. | 1.2 | 7 |
| 769 | Modulation in the conformational and stability attributes of the Alzheimer's disease associated amyloid-beta mutants and their favorable stabilization by curcumin: molecular dynamics simulation analysis. Journal of Biomolecular Structure and Dynamics, 2018, 36, 407-422. | 2.0 | 30 |
| 770 | β-Amyloid Prions and the Pathobiology of Alzheimer's Disease. Cold Spring Harbor Perspectives in Medicine, 2018, 8, a023507. | 2.9 | 64 |
| 771 | Increased Plasma Beta-Secretase 1 May Predict Conversion to Alzheimer's Disease Dementia in Individuals With Mild Cognitive Impairment. Biological Psychiatry, 2018, 83, 447-455. | 0.7 | 83 |
| 772 | ${\rm A\hat{l}^2}$ propagation and strains: Implications for the phenotypic diversity in Alzheimer's disease. Neurobiology of Disease, 2018, 109, 191-200. | 2.1 | 57 |
| 773 | Untangling Genetic Risk for Alzheimer's Disease. Biological Psychiatry, 2018, 83, 300-310. | 0.7 | 160 |
| 774 | IncRNAs, DNA Methylation, and the Pathobiology of Exfoliation Glaucoma. Journal of Glaucoma, 2018, 27, 202-209. | 0.8 | 13 |
| 775 | The potential of solanezumab and gantenerumab to prevent Alzheimer's disease in people with inherited mutations that cause its early onset. Expert Opinion on Biological Therapy, 2018, 18, 25-35. | 1.4 | 34 |
| 776 | Alzheimer's disease. European Journal of Neurology, 2018, 25, 59-70. | 1.7 | 1,624 |
| 777 | Amyloid-β and tau complexity â€" towards improved biomarkers and targeted therapies. Nature Reviews Neurology, 2018, 14, 22-39. | 4.9 | 303 |
| 778 | Understanding the roles of mutations in the amyloid precursor protein in Alzheimer disease. Molecular Psychiatry, 2018, 23, 81-93. | 4.1 | 74 |
| 779 | eHealth provides a novel opportunity to exploit the advantages of the Nordic countries in psychiatric genetic research, building on the public health care system, biobanks, and registries. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2018, 177, 625-629. | 1.1 | 12 |
| 780 | Modulation of γ- and β-Secretases as Early Prevention Against Alzheimer's Disease. Biological Psychiatry, 2018, 83, 320-327. | 0.7 | 54 |

| # | ARTICLE | IF | Citations |
|-----|---|-----|-----------|
| 781 | Making the final cut: pathogenic amyloid- \hat{l}^2 peptide generation by \hat{l}^3 -secretase. Cell Stress, 2018, 2, 292-310. | 1.4 | 100 |
| 782 | Genetics of Alzheimer's Disease. Dementia and Neurocognitive Disorders, 2018, 17, 131. | 0.4 | 50 |
| 783 | The genes associated with early-onset Alzheimer's disease. Oncotarget, 2018, 9, 15132-15143. | 0.8 | 78 |
| 784 | Design of an Intelligent Cognition Assistant for People with Cognitive Impairment. , 2018, , . | | 4 |
| 785 | Amyloid Beta Hypothesis: Attention to \hat{I}^2 - and \hat{I}^3 -Secretase Modulators. , 2018, , . | | 0 |
| 786 | The Correlation between Genotype and Phenotype of Alzheimer's Disease., 2018, 08,. | | 0 |
| 787 | Decreased plasma Câ€reactive protein levels in <i><scp>APOE</scp> Îμ</i> 4 allele carriers. Annals of Clinical and Translational Neurology, 2018, 5, 1229-1240. | 1.7 | 18 |
| 788 | Linkage analysis of multiplex Caribbean Hispanic families loaded for unexplained earlyâ€onset cases identifies novel Alzheimer's disease loci. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2018, 10, 554-562. | 1.2 | 8 |
| 789 | Presenilin-mediated cleavage of APP regulates synaptotagmin-7 and presynaptic plasticity. Nature Communications, 2018, 9, 4780. | 5.8 | 44 |
| 790 | A Brief Synopsis on the Genetics of Alzheimer's Disease. Current Genetic Medicine Reports, 2018, 6, 133-135. | 1.9 | 19 |
| 791 | RAB10: an Alzheimer's disease resilience locus and potential drug target. Clinical Interventions in Aging, 2019, Volume 14, 73-79. | 1.3 | 37 |
| 792 | Opposite Epigenetic Associations With Alcohol Use and Exercise Intervention. Frontiers in Psychiatry, 2018, 9, 594. | 1.3 | 15 |
| 793 | Molecular Mechanisms of Synaptotoxicity and Neuroinflammation in Alzheimer's Disease. Frontiers in Neuroscience, 2018, 12, 963. | 1.4 | 65 |
| 794 | Altered γ-Secretase Processing of APP Disrupts Lysosome and Autophagosome Function in Monogenic Alzheimer's Disease. Cell Reports, 2018, 25, 3647-3660.e2. | 2.9 | 95 |
| 795 | Alzheimer's disease in Down syndrome: An overlooked population for prevention trials. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2018, 4, 703-713. | 1.8 | 63 |
| 796 | Loss of the candidate tumor suppressor ZEB1 (TCF8, ZFHX1A) in Sézary syndrome. Cell Death and Disease, 2018, 9, 1178. | 2.7 | 10 |
| 797 | SAR228810: an antibody for protofibrillar amyloid \hat{l}^2 peptide designed to reduce the risk of amyloid-related imaging abnormalities (ARIA). Alzheimer's Research and Therapy, 2018, 10, 117. | 3.0 | 14 |
| 798 | Preclinical Identification and Development of AM-6138: An Inhibitor of BACE1 for the Treatment of Alzheimer's Disease. ACS Symposium Series, 2018, , 29-52. | 0.5 | 1 |

| # | Article | IF | CITATIONS |
|-----|--|-----|-----------|
| 799 | Discovery and Chemical Development of Verubecestat, a BACE1 Inhibitor for the Treatment of Alzheimer's Disease. ACS Symposium Series, 2018, , 53-89. | 0.5 | 0 |
| 800 | A phenotypic approach to the discovery of compounds that promote non-amyloidogenic processing of the amyloid precursor protein: Toward a new profile of indirect \hat{l}^2 -secretase inhibitors. European Journal of Medicinal Chemistry, 2018, 159, 104-125. | 2.6 | 16 |
| 801 | The antimicrobial protection hypothesis of Alzheimer's disease. Alzheimer's and Dementia, 2018, 14, 1602-1614. | 0.4 | 305 |
| 802 | Hydrophobic Modification of Carboxyl-Terminated Polyamidoamine Dendrimer Surface Creates a Potent Inhibitor of Amyloid-β Fibrillation. Langmuir, 2018, 34, 14419-14427. | 1.6 | 14 |
| 803 | Past and Future of Drug Treatments for Alzheimer's Disease. Journal of Korean Neuropsychiatric Association, 2018, 57, 30. | 0.2 | 6 |
| 804 | The Early Events That Initiate β-Amyloid Aggregation in Alzheimer's Disease. Frontiers in Aging Neuroscience, 2018, 10, 359. | 1.7 | 85 |
| 805 | Questions concerning the role of amyloid-β in the definition, aetiology and diagnosis of Alzheimer's disease. Acta Neuropathologica, 2018, 136, 663-689. | 3.9 | 151 |
| 806 | Determination of Parameters of Oxidative Stress in vitro Models of Neurodegenerative Diseases-A Review. Current Clinical Pharmacology, 2018, 13, 100-109. | 0.2 | 19 |
| 807 | Attempt to Untangle the Prion-Like Misfolding Mechanism for Neurodegenerative Diseases. International Journal of Molecular Sciences, 2018, 19, 3081. | 1.8 | 28 |
| 808 | Early Life Stress and Epigenetics in Late-onset Alzheimer's Dementia: A Systematic Review. Current Genomics, 2018, 19, 522-602. | 0.7 | 65 |
| 809 | Rho Guanine Nucleotide Exchange Factor <i>ARHGEF17</i> Is a Risk Gene for Intracranial Aneurysms. Circulation Genomic and Precision Medicine, 2018, 11, e002099. | 1.6 | 18 |
| 810 | The <scp>BACE</scp> â€1 inhibitor <scp>CNP</scp> 520 for prevention trials in Alzheimer's disease. EMBO Molecular Medicine, 2018, 10, . | 3.3 | 112 |
| 811 | Rare genetic variation in mitochondrial pathways influences the risk for Parkinson's disease. Movement Disorders, 2018, 33, 1591-1600. | 2.2 | 51 |
| 812 | A standard model of Alzheimer's disease?. Prion, 2018, 12, 261-265. | 0.9 | 20 |
| 813 | Non-Ashkenazi Jewish Origin is Associated with Early Onset Alzheimer's Disease. Journal of Alzheimer's Disease, 2018, 65, 877-884. | 1.2 | 1 |
| 814 | Passive AÎ ² Immunotherapy: Current Achievements and Future Perspectives. Molecules, 2018, 23, 1068. | 1.7 | 41 |
| 815 | Monogenic inheritance in early-onset dementia: illustration in Alzheimer's disease and frontotemporal lobar dementia. Psychologie & Neuropsychiatrie Du Vieillissement, 2018, 16, 289-297. | 0.2 | 6 |
| 817 | The Role of Gene Editing in Neurodegenerative Diseases. Cell Transplantation, 2018, 27, 364-378. | 1.2 | 11 |

| # | Article | IF | Citations |
|-----|---|------|-----------|
| 818 | Discovery of Potent and Centrally Active 6-Substituted 5-Fluoro-1,3-dihydro-oxazine \hat{l}^2 -Secretase (BACE1) Inhibitors via Active Conformation Stabilization. Journal of Medicinal Chemistry, 2018, 61, 5525-5546. | 2.9 | 28 |
| 819 | Peptides, Peptidomimetics, and Carbohydrate–Peptide Conjugates as Amyloidogenic Aggregation Inhibitors for Alzheimer's Disease. ACS Chemical Neuroscience, 2018, 9, 1530-1551. | 1.7 | 70 |
| 820 | AP180 N-Terminal Homology (ANTH) and Epsin N-Terminal Homology (ENTH) Domains: Physiological Functions and Involvement in Disease. Advances in Experimental Medicine and Biology, 2018, 1111, 55-76. | 0.8 | 6 |
| 821 | Generation of a human induced pluripotent stem cell line from a patient with a rare A673T variant in amyloid precursor protein gene that reduces the risk for Alzheimer's disease. Stem Cell Research, 2018, 30, 96-99. | 0.3 | 9 |
| 822 | Consequences of Pharmacological BACE Inhibition on Synaptic Structure and Function. Biological Psychiatry, 2018, 84, 478-487. | 0.7 | 41 |
| 823 | Amyloid- \hat{l}^2 /Drug Interactions from Computer Simulations and Cell-Based Assays. Journal of Alzheimer's Disease, 2018, 64, S659-S672. | 1.2 | 5 |
| 824 | A New Fluorogenic Small-Molecule Labeling Tool for Surface Diffusion Analysis and Advanced Fluorescence Imaging of \hat{l}^2 -Site Amyloid Precursor Protein-Cleaving Enzyme 1 Based on Silicone Rhodamine: SiR-BACE1. Journal of Medicinal Chemistry, 2018, 61, 6121-6139. | 2.9 | 29 |
| 825 | Relevance of N-terminal residues for amyloid- \hat{l}^2 binding to platelet integrin \hat{l}^2 3, integrin outside-in signaling and amyloid- \hat{l}^2 fibril formation. Cellular Signalling, 2018, 50, 121-130. | 1.7 | 17 |
| 826 | Functional analysis of juxta- and intra-membrane domains of murine APP by genome editing in Neuro2a cells. Biochemical and Biophysical Research Communications, 2018, 501, 1023-1028. | 1.0 | 3 |
| 828 | Oxidant/Antioxidant Imbalance in Alzheimer's Disease: Therapeutic and Diagnostic Prospects. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-16. | 1.9 | 163 |
| 829 | Neuronal Cell Death. Physiological Reviews, 2018, 98, 813-880. | 13.1 | 737 |
| 830 | Advances in the discovery of genetic risk factors for complex forms of neurodegenerative disorders: contemporary approaches, success, challenges and prospects. Journal of Genetics, 2018, 97, 625-648. | 0.4 | 7 |
| 831 | Allosteric sodium binding cavity in GPR3: a novel player in modulation of ${\rm A}{\rm \hat{I}}^2$ production. Scientific Reports, 2018, 8, 11102. | 1.6 | 13 |
| 832 | The Role of Genetics in Advancing Precision Medicine for Alzheimer's Disease—A Narrative Review. Frontiers in Medicine, 2018, 5, 108. | 1.2 | 61 |
| 833 | Use of Peptides for the Management of Alzheimer's Disease: Diagnosis and Inhibition. Frontiers in Aging Neuroscience, 2018, 10, 21. | 1.7 | 79 |
| 834 | Use of Eflornithine (DFMO) in the Treatment of Early Alzheimer's Disease: A Compassionate Use, Single-Case Study. Frontiers in Aging Neuroscience, 2018, 10, 60. | 1.7 | 14 |
| 835 | U1 snRNP Alteration and Neuronal Cell Cycle Reentry in Alzheimer Disease. Frontiers in Aging Neuroscience, 2018, 10, 75. | 1.7 | 16 |
| 836 | Analyzing the Behavior of Neuronal Pathways in Alzheimer's Disease Using Petri Net Modeling Approach. Frontiers in Neuroinformatics, 2018, 12, 26. | 1.3 | 12 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 837 | Insights into the Molecular Mechanisms of Alzheimer's and Parkinson's Diseases with Molecular Simulations: Understanding the Roles of Artificial and Pathological Missense Mutations in Intrinsically Disordered Proteins Related to Pathology. International Journal of Molecular Sciences, 2018, 19, 336. | 1.8 | 51 |
| 838 | Cellular Receptors of Amyloid β Oligomers (AβOs) in Alzheimer's Disease. International Journal of Molecular Sciences, 2018, 19, 1884. | 1.8 | 66 |
| 839 | BACE1-cleavage of Sez6 and Sez6L is elevated in Niemann-Pick type C disease mouse brains. PLoS ONE, 2018, 13, e0200344. | 1.1 | 13 |
| 840 | ldentification of missing variants by combining multiple analytic pipelines. BMC Bioinformatics, 2018, 19, 139. | 1.2 | 10 |
| 841 | Rational Design of Novel 1,3-Oxazine Based \hat{l}^2 -Secretase (BACE1) Inhibitors: Incorporation of a Double Bond To Reduce P-gp Efflux Leading to Robust A \hat{l}^2 Reduction in the Brain. Journal of Medicinal Chemistry, 2018, 61, 5122-5137. | 2.9 | 29 |
| 842 | Side-chain moieties from the N-terminal region of $\hat{Al^2}$ are Involved in an oligomer-stabilizing network of interactions. PLoS ONE, 2018, 13, e0201761. | 1.1 | 14 |
| 843 | Melatonin receptor type 1A gene linked to Alzheimer's disease in old age. Sleep, 2018, 41, . | 0.6 | 30 |
| 844 | Are N- and C-terminally truncated $\hat{A^2}$ species key pathological triggers in Alzheimer's disease?. Journal of Biological Chemistry, 2018, 293, 15419-15428. | 1.6 | 84 |
| 845 | Dysregulation of Neuronal Iron Homeostasis as an Alternative Unifying Effect of Mutations Causing Familial Alzheimer's Disease. Frontiers in Neuroscience, 2018, 12, 533. | 1.4 | 41 |
| 847 | The Amyloid- \hat{l}^2 Oligomer Hypothesis: Beginning of the Third Decade. Journal of Alzheimer's Disease, 2018, 64, S567-S610. | 1.2 | 572 |
| 848 | Cu and Zn coordination to amyloid peptides: From fascinating chemistry to debated pathological relevance. Coordination Chemistry Reviews, 2018, 371, 38-55. | 9.5 | 120 |
| 849 | Prophylactic and Therapeutic Applications of Catalytic Immunoglobulin Gene Delivery in a Mouse Model of Alzheimer's Disease. , 2018, , 139-161. | | 1 |
| 850 | What Sets Iceland Apart in Understanding Human Aging. , 2018, , 139-145. | | 0 |
| 851 | Prion-like mechanisms in Alzheimer disease. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 153, 303-319. | 1.0 | 42 |
| 852 | Therapeutic strategies for targeting neurodegenerative protein misfolding disorders. Current Opinion in Chemical Biology, 2018, 44, 66-74. | 2.8 | 23 |
| 853 | Alzheimer's disease in the omics era. Clinical Biochemistry, 2018, 59, 9-16. | 0.8 | 76 |
| 854 | Drug development for Alzheimer's disease: review. Journal of Drug Targeting, 2019, 27, 164-173. | 2.1 | 60 |
| 855 | A Large Panel of Isogenic APP and PSEN1 Mutant Human iPSC Neurons Reveals Shared Endosomal Abnormalities Mediated by APP β-CTFs, Not Aβ. Neuron, 2019, 104, 256-270.e5. | 3.8 | 185 |

| # | Article | IF | CITATIONS |
|-----|--|-----|-----------|
| 856 | Causative Mutations and Genetic Risk Factors in Sporadic Early Onset Alzheimer's Disease Before 51 Years. Journal of Alzheimer's Disease, 2019, 71, 227-243. | 1.2 | 39 |
| 857 | Blood-brain barrier and innate immunity in the pathogenesis of Alzheimer's disease. Progress in Molecular Biology and Translational Science, 2019, 168, 99-145. | 0.9 | 23 |
| 858 | Alzheimer Disease Pathogenesis: Insights From Molecular and Cellular Biology Studies of Oligomeric A \hat{l}^2 and Tau Species. Frontiers in Neuroscience, 2019, 13, 659. | 1.4 | 198 |
| 859 | Longitudinal PET Monitoring of Amyloidosis and Microglial Activation in a Second-Generation Amyloid- \hat{l}^2 Mouse Model. Journal of Nuclear Medicine, 2019, 60, 1787-1793. | 2.8 | 41 |
| 860 | Genes, pathways and risk prediction in Alzheimer's disease. Human Molecular Genetics, 2019, 28, R235-R240. | 1.4 | 16 |
| 862 | His6, His13, and His14 residues in Aβ 1–40 peptide significantly and specifically affect oligomeric equilibria. Scientific Reports, 2019, 9, 9449. | 1.6 | 10 |
| 863 | Novel amyloid precursor protein mutation, Val669Leu ("Seoul APPâ€), in a Korean patient with early-onset Alzheimer's disease. Neurobiology of Aging, 2019, 84, 236.e1-236.e7. | 1.5 | 10 |
| 864 | Natural Compounds with Anti-BACE1 Activity as Promising Therapeutic Drugs for Treating Alzheimer $\hat{E}^{1}/4$ s Disease. Planta Medica, 2019, 85, 1316-1325. | 0.7 | 25 |
| 865 | The Amyloid Precursor Protein C-Terminal Domain Alters CA1 Neuron Firing, Modifying Hippocampus Oscillations and Impairing Spatial Memory Encoding. Cell Reports, 2019, 29, 317-331.e5. | 2.9 | 24 |
| 867 | Investigational BACE inhibitors for the treatment of Alzheimer's disease. Expert Opinion on Investigational Drugs, 2019, 28, 967-975. | 1.9 | 94 |
| 868 | Sphingosine Kinase 2 Potentiates Amyloid Deposition but Protects against Hippocampal Volume Loss and Demyelination in a Mouse Model of Alzheimer's Disease. Journal of Neuroscience, 2019, 39, 9645-9659. | 1.7 | 22 |
| 869 | Mixed Carboxyl and Hydrophobic Dendrimer Surface Inhibits Amyloid-Î ² Fibrillation: New Insight from the Generation Number Effect. Langmuir, 2019, 35, 14681-14687. | 1.6 | 14 |
| 870 | Performance evaluation of molecular docking and free energy calculations protocols using the D3R Grand Challenge 4 dataset. Journal of Computer-Aided Molecular Design, 2019, 33, 1031-1043. | 1.3 | 12 |
| 871 | Trifluoromethyl Dihydrothiazineâ€Based βâ€Secretase (BACE1) Inhibitors with Robust Central βâ€Amyloid Reduction and Minimal Covalent Binding Burden. ChemMedChem, 2019, 14, 1894-1910. | 1.6 | 8 |
| 872 | Trends of Protein Aggregation in Neurodegenerative Diseases. , 2019, , . | | 7 |
| 873 | Facilitation of glutamate, but not <scp>GABA</scp> , release in Familial Alzheimer's <i><scp>APP</scp></i> mutant Knockâ€in rats with increased βâ€eleavage of <scp>APP</scp> . Aging Cell, 2019, 18, e13033. | 3.0 | 33 |
| 874 | History and progress of hypotheses and clinical trials for Alzheimer's disease. Signal Transduction and Targeted Therapy, 2019, 4, 29. | 7.1 | 370 |
| 875 | IMPLICATIONS FOR BACE1 INHIBITOR CLINICAL TRIALS: ADULT CONDITIONAL BACE1 KNOCKOUT MICE EXHIBIT AXONAL ORGANIZATION DEFECTS IN THE HIPPOCAMPUS. journal of prevention of Alzheimer's disease, The, 2019, 6, 1-7. | 1.5 | 19 |

| # | Article | IF | CITATIONS |
|-----|---|------|-----------|
| 876 | Modeling of Alzheimer's Disease and Outlooks for its Therapy Using Induced Pluripotent Stem Cells. Neurochemical Journal, 2019, 13, 215-228. | 0.2 | 0 |
| 877 | Paul Greengard, Ph.D. (1925â€2019). Alzheimer's and Dementia, 2019, 15, 1229-1235. | 0.4 | 1 |
| 878 | Molecular Mechanism of Binding Selectivity of Inhibitors toward BACE1 and BACE2 Revealed by Multiple Short Molecular Dynamics Simulations and Free-Energy Predictions. ACS Chemical Neuroscience, 2019, 10, 4303-4318. | 1.7 | 68 |
| 879 | Alzheimer Disease: An Update on Pathobiology and Treatment Strategies. Cell, 2019, 179, 312-339. | 13.5 | 1,675 |
| 880 | Discovery of an Extremely Potent Thiazine-Based \hat{l}^2 -Secretase Inhibitor with Reduced Cardiovascular and Liver Toxicity at a Low Projected Human Dose. Journal of Medicinal Chemistry, 2019, 62, 9331-9337. | 2.9 | 7 |
| 881 | Expression Profiles of Long Noncoding RNAs in Intranasal LPS-Mediated Alzheimer's Disease Model in Mice. BioMed Research International, 2019, 2019, 1-14. | 0.9 | 26 |
| 882 | Genetic Analyses of Alzheimer's Disease in China: Achievements and Perspectives. ACS Chemical Neuroscience, 2019, 10, 890-901. | 1.7 | 26 |
| 883 | Targeting amyloid clearance in Alzheimer's disease as a therapeutic strategy. British Journal of Pharmacology, 2019, 176, 3447-3463. | 2.7 | 115 |
| 884 | Protective Variants in Alzheimer's Disease. Current Genetic Medicine Reports, 2019, 7, 1-12. | 1.9 | 12 |
| 885 | A short perspective on the long road to effective treatments for Alzheimer's disease. British Journal of Pharmacology, 2019, 176, 3636-3648. | 2.7 | 17 |
| 886 | The βâ€secretase (BACE) inhibitor NBâ€360 in preclinical models: From amyloidâ€Î² reduction to downstream diseaseâ€relevant effects. British Journal of Pharmacology, 2019, 176, 3435-3446. | 2.7 | 17 |
| 887 | Processing of Mutant β-Amyloid Precursor Protein and the Clinicopathological Features of Familial Alzheimer's Disease. , 2019, 10, 383. | | 27 |
| 888 | Safety, Tolerability, and Pharmacokinetics of the βâ€Site Amyloid Precursor Proteinâ€Cleaving Enzyme 1 Inhibitor Verubecestat (<scp>MK</scp> â€8931) in Healthy Elderly Male and Female Subjects. Clinical and Translational Science, 2019, 12, 545-555. | 1.5 | 14 |
| 890 | An App knock-in mouse inducing the formation of a toxic conformer of $A\hat{l}^2$ as a model for evaluating only oligomer-induced cognitive decline in Alzheimer's disease. Biochemical and Biophysical Research Communications, 2019, 515, 462-467. | 1.0 | 14 |
| 891 | NRF2/ARE pathway negatively regulates BACE1 expression and ameliorates cognitive deficits in mouse Alzheimer's models. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12516-12523. | 3.3 | 132 |
| 892 | AÎ ² 34 is a BACE1-derived degradation intermediate associated with amyloid clearance and Alzheimer's disease progression. Nature Communications, 2019, 10, 2240. | 5.8 | 39 |
| 894 | COMBINATION THERAPY FOR ALZHEIMER'S DISEASE: PERSPECTIVES OF THE EU/US CTAD TASK FORCE. journal of prevention of Alzheimer's disease, The, 2019, 6, 1-5. | 1.5 | 29 |
| 895 | New molecular approaches to Alzheimer's disease. Clinical Biochemistry, 2019, 72, 81-86. | 0.8 | 18 |

| # | Article | IF | CITATIONS |
|-----|--|------|-----------|
| 896 | Non-conventional compounds with potential therapeutic effects against Alzheimer's disease. Expert Review of Neurotherapeutics, 2019, 19, 375-395. | 1.4 | 12 |
| 897 | The Y682ENPTY687 motif of APP: Progress and insights toward a targeted therapy for Alzheimer's disease patients. Ageing Research Reviews, 2019, 52, 120-128. | 5.0 | 19 |
| 898 | Pharmacologic normalization of pathogenic dosage underlying genetic diseases: an overview of the literature and path forward. Emerging Topics in Life Sciences, 2019, 3, 53-62. | 1.1 | 1 |
| 899 | BACE-1 and γ-Secretase as Therapeutic Targets for Alzheimer's Disease. Pharmaceuticals, 2019, 12, 41. | 1.7 | 78 |
| 900 | A Close Look at BACE1 Inhibitors for Alzheimer's Disease Treatment. CNS Drugs, 2019, 33, 251-263. | 2.7 | 115 |
| 901 | Integrated Analysis of Whole Exome Sequencing and Copy Number Evaluation in Parkinson's Disease. Scientific Reports, 2019, 9, 3344. | 1.6 | 31 |
| 902 | Adenoâ€associated virusâ€based Alzheimer's disease mouse models and potential new therapeutic avenues. British Journal of Pharmacology, 2019, 176, 3649-3665. | 2.7 | 22 |
| 903 | SORL1 genetic variants and Alzheimer disease risk: a literature review and meta-analysis of sequencing data. Acta Neuropathologica, 2019, 138, 173-186. | 3.9 | 77 |
| 904 | Detecting Diagnostic Biomarkers of Alzheimer's Disease by Integrating Gene Expression Data in Six Brain Regions. Frontiers in Genetics, 2019, 10, 157. | 1.1 | 21 |
| 905 | Why Amyloid Is Still a Target for Alzheimer Disease Clinical Trials. Journal of the American Geriatrics Society, 2019, 67, 845-847. | 1.3 | 4 |
| 906 | Development of Gleevec Analogues for Reducing Production of \hat{l}^2 -Amyloid Peptides through Shifting \hat{l}^2 -Cleavage of Amyloid Precursor Proteins. Journal of Medicinal Chemistry, 2019, 62, 3122-3134. | 2.9 | 4 |
| 907 | Charged aerosol detector HPLC as a characterization and quantification application of biopharmaceutically relevant polysialic acid from E. coli K1. Journal of Chromatography A, 2019, 1599, 85-94. | 1.8 | 10 |
| 908 | Lowering of Amyloid-Beta by β-Secretase Inhibitors â€" Some Informative Failures. New England Journal of Medicine, 2019, 380, 1476-1478. | 13.9 | 56 |
| 909 | The Crocus sativus Compounds trans-Crocin 4 and trans-Crocetin Modulate the Amyloidogenic Pathway and Tau Misprocessing in Alzheimer Disease Neuronal Cell Culture Models. Frontiers in Neuroscience, 2019, 13, 249. | 1.4 | 42 |
| 910 | PTCD1 Is Required for Mitochondrial Oxidative-Phosphorylation: Possible Genetic Association with Alzheimer's Disease. Journal of Neuroscience, 2019, 39, 4636-4656. | 1.7 | 26 |
| 911 | Genetic Risk Factors for Alzheimer Disease: Emerging Roles of Microglia in Disease Pathomechanisms. Advances in Experimental Medicine and Biology, 2019, 1118, 83-116. | 0.8 | 34 |
| 912 | Benefits and Challenges of Rare Genetic Variation in Alzheimer's Disease. Current Genetic Medicine Reports, 2019, 7, 53-62. | 1.9 | 9 |
| 913 | Î ³ -Secretase and its modulators: Twenty years and beyond. Neuroscience Letters, 2019, 701, 162-169. | 1.0 | 46 |

| # | Article | IF | CITATIONS |
|-----|--|------|-----------|
| 914 | Fact, Fiction, or Evolution: Mechanism Hypothesis of Alzheimer's Disease. , 2019, , . | | 0 |
| 915 | Neuropathology-driven Whole-genome Sequencing Study Points to Novel Candidate Genes for Healthy Brain Aging. Alzheimer Disease and Associated Disorders, 2019, 33, 7-14. | 0.6 | 1 |
| 916 | Alzheimer's disease. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2019, 167, 231-255. | 1.0 | 415 |
| 917 | BACE1 partial deletion induces synaptic plasticity deficit in adult mice. Scientific Reports, 2019, 9, 19877. | 1.6 | 25 |
| 918 | Dreaming of a New World Where Alzheimer's Is a Treatable Disorder. Frontiers in Aging Neuroscience, 2019, 11, 317. | 1.7 | 14 |
| 919 | Alzheimer's Disease Clinical Trials: Moving Toward Successful Prevention. CNS Drugs, 2019, 33, 99-106. | 2.7 | 33 |
| 920 | A critical appraisal of amyloid- \hat{l}^2 -targeting therapies for Alzheimer \hat{A} disease. Nature Reviews Neurology, 2019, 15, 73-88. | 4.9 | 666 |
| 921 | New evolutions in the BACE1 inhibitor field from 2014 to 2018. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 761-777. | 1.0 | 57 |
| 922 | Heteromultivalent peptide recognition by co-assembly of cyclodextrin and calixarene amphiphiles enables inhibition of amyloid fibrillation. Nature Chemistry, 2019, 11, 86-93. | 6.6 | 148 |
| 923 | Amyloidâ \in β immunotherapy for alzheimer disease: Is it now a long shot?. Annals of Neurology, 2019, 85, 303-315. | 2.8 | 126 |
| 924 | A rare missense variant of <i>CASP7</i> is associated with familial lateâ€onset Alzheimer's disease. Alzheimer's and Dementia, 2019, 15, 441-452. | 0.4 | 39 |
| 925 | Blood-Brain Barrier: From Physiology to Disease and Back. Physiological Reviews, 2019, 99, 21-78. | 13.1 | 1,232 |
| 926 | Significantly different contact patterns between Aβ40 and Aβ42 monomers involving the Nâ€terminal region. Chemical Biology and Drug Design, 2019, 94, 1615-1625. | 1.5 | 2 |
| 927 | Interactions in DNA Condensation: An Important Factor for Improving the Efficacy of Gene Transfection. Bioconjugate Chemistry, 2019, 30, 284-292. | 1.8 | 32 |
| 928 | Alzheimer's Disease and Dementia. , 2019, , 25-82. | | 2 |
| 929 | Cognitive markers of preclinical and prodromal Alzheimer's disease in Down syndrome. Alzheimer's and Dementia, 2019, 15, 245-257. | 0.4 | 68 |
| 930 | Specific mutations in presenilin 1 cause conformational changes in \hat{l}^3 -secretase to modulate amyloid \hat{l}^2 trimming. Journal of Biochemistry, 2019, 165, 37-46. | 0.9 | 11 |
| 931 | Inhibition of sphingomyelin synthase 1 ameliorates alzheimer-like pathology in APP/PS1 transgenic mice through promoting lysosomal degradation of BACE1. Experimental Neurology, 2019, 311, 67-79. | 2.0 | 13 |

| # | Article | IF | CITATIONS |
|-----|--|-----|-----------|
| 932 | PET imaging of tau protein targets: a methodology perspective. Brain Imaging and Behavior, 2019, 13, 333-344. | 1.1 | 43 |
| 933 | Dysfunctional γ-Secretase in Familial Alzheimer's Disease. Neurochemical Research, 2019, 44, 5-11. | 1.6 | 26 |
| 934 | Whole exome sequencing study identifies novel rare and common Alzheimer's-Associated variants involved in immune response and transcriptional regulation. Molecular Psychiatry, 2020, 25, 1859-1875. | 4.1 | 191 |
| 935 | Discovery of AM-6494: A Potent and Orally Efficacious Î ² -Site Amyloid Precursor Protein Cleaving Enzyme 1 (BACE1) Inhibitor with in Vivo Selectivity over BACE2. Journal of Medicinal Chemistry, 2020, 63, 2263-2281. | 2.9 | 25 |
| 936 | Apolipoprotein E impairs amyloidâ€Î² fibril elongation and maturation. FEBS Journal, 2020, 287, 1208-1219. | 2.2 | 11 |
| 937 | Early Intervention in Alzheimer's Disease: How Early is Early Enough?. Neuroscience Bulletin, 2020, 36, 195-197. | 1.5 | 29 |
| 938 | The path forward in Alzheimer's disease therapeutics: Reevaluating the amyloid cascade hypothesis. Alzheimer's and Dementia, 2020, 16, 1553-1560. | 0.4 | 165 |
| 939 | The role of innate immune responses and neuroinflammation in amyloid accumulation and progression of Alzheimer's disease. Immunology and Cell Biology, 2020, 98, 28-41. | 1.0 | 231 |
| 940 | Mercury and Alzheimer's Disease: Hg(II) Ions Display Specific Binding to the Amyloid-β Peptide and Hinder Its Fibrillization. Biomolecules, 2020, 10, 44. | 1.8 | 26 |
| 941 | Applications of genome editing technology in the targeted therapy of human diseases: mechanisms, advances and prospects. Signal Transduction and Targeted Therapy, 2020, 5, 1. | 7.1 | 1,354 |
| 942 | Genetics of Alzheimer's disease: where we are, and where we are going. Current Opinion in Neurobiology, 2020, 61, 40-48. | 2.0 | 144 |
| 943 | Synthesis of a carbon-11 radiolabeled BACE1 inhibitor. Medicinal Chemistry Research, 2020, 29, 262-267. | 1.1 | 0 |
| 944 | Enhanced amyloid- \hat{l}^2 generation by \hat{l}^3 -secretase complex in DRM microdomains with reduced cholesterol levels. Human Molecular Genetics, 2020, 29, 382-393. | 1.4 | 5 |
| 945 | Interactions between Curcumin Derivatives and Amyloid-β Fibrils: Insights from Molecular Dynamics Simulations. Journal of Chemical Information and Modeling, 2020, 60, 289-305. | 2.5 | 44 |
| 946 | A transcriptomic analysis of Nsmce1 overexpression in mouse hippocampal neuronal cell by RNA sequencing. Functional and Integrative Genomics, 2020, 20, 459-470. | 1.4 | 5 |
| 947 | 4-Substituted 2-amino-3,4-dihydroquinazolines with a 3-hairpin turn side chain as novel inhibitors of BACE-1. Bioorganic Chemistry, 2020, 95, 103135. | 2.0 | 7 |
| 948 | Involvement of the nitric oxide signaling in modulation of naringin against intranasal manganese and intracerbroventricular \hat{l}^2 -amyloid induced neurotoxicity in rats. Journal of Nutritional Biochemistry, 2020, 76, 108255. | 1.9 | 22 |
| 949 | Generation of a human induced pluripotent stem cell line (UEFi003-A) carrying heterozygous A673T variant in amyloid precursor protein associated with a reduced risk of Alzheimer's disease. Stem Cell Research, 2020, 48, 101968. | 0.3 | 5 |

| # | Article | IF | Citations |
|-----|--|-----|-----------|
| 950 | The search for Alzheimer disease therapeutics â€" same targets, better trials?. Nature Reviews Neurology, 2020, 16, 597-598. | 4.9 | 11 |
| 951 | Modeling the β-secretase cleavage site and humanizing amyloid-beta precursor protein in rat and mouse to study Alzheimer's disease. Molecular Neurodegeneration, 2020, 15, 60. | 4.4 | 37 |
| 952 | Discontinued disease-modifying therapies for Alzheimer's disease: status and future perspectives. Expert Opinion on Investigational Drugs, 2020, 29, 919-933. | 1.9 | 22 |
| 953 | Molecular and cellular mechanisms underlying the pathogenesis of Alzheimer's disease. Molecular Neurodegeneration, 2020, 15, 40. | 4.4 | 438 |
| 954 | Blood cell-produced amyloid- \hat{l}^2 induces cerebral Alzheimer-type pathologies and behavioral deficits. Molecular Psychiatry, 2021, 26, 5568-5577. | 4.1 | 32 |
| 955 | From beta amyloid to altered proteostasis in Alzheimer's disease. Ageing Research Reviews, 2020, 64, 101126. | 5.0 | 31 |
| 956 | Passive immunotherapies targeting $\hat{Al^2}$ and tau in Alzheimer's disease. Neurobiology of Disease, 2020, 144, 105010. | 2.1 | 81 |
| 957 | Diagnostic and therapeutic biomarkers for Alzheimer's disease in human-derived platelets. Genes and Genomics, 2020, 42, 1467-1475. | 0.5 | 4 |
| 958 | Presynaptic Vesicle Protein SEPTIN5 Regulates the Degradation of APP C-Terminal Fragments and the Levels of ${\rm A}\hat{\rm I}^2$. Cells, 2020, 9, 2482. | 1.8 | 8 |
| 959 | The Role of APP O-Glycosylation in Alzheimer's Disease. Biomolecules, 2020, 10, 1569. | 1.8 | 23 |
| 960 | Looking Beyond the Core: The Role of Flanking Regions in the Aggregation of Amyloidogenic Peptides and Proteins. Frontiers in Neuroscience, 2020, 14, 611285. | 1.4 | 52 |
| 961 | Late-onset vs nonmendelian early-onset Alzheimer disease. Neurology: Genetics, 2020, 6, e512. | 0.9 | 82 |
| 962 | Genetics of Chronic Traumatic Encephalopathy. Seminars in Neurology, 2020, 40, 420-429. | 0.5 | 8 |
| 963 | It's complicated: The relationship between sleep and Alzheimer's disease in humans. Neurobiology of Disease, 2020, 144, 105031. | 2.1 | 61 |
| 964 | Nanoscale rearrangement of APP organization as a therapeutic target for Alzheimer's disease. Medical Hypotheses, 2020, 143, 110143. | 0.8 | 4 |
| 965 | Should drug discovery scientists still embrace the amyloid hypothesis for Alzheimer's disease or should they be looking elsewhere?. Expert Opinion on Drug Discovery, 2020, 15, 1241-1251. | 2.5 | 15 |
| 966 | <scp>AP</scp> â€2 reduces amyloidogenesis by promoting <scp>BACE</scp> 1 trafficking and degradation in neurons. EMBO Reports, 2020, 21, e47954. | 2.0 | 36 |
| 967 | Cerebrolysin in the therapy of mild cognitive impairment and dementia due to Alzheimer's disease: 30 years of clinical use. Medicinal Research Reviews, 2021, 41, 2775-2803. | 5.0 | 39 |

| # | Article | IF | CITATIONS |
|-----|--|-----|-----------|
| 968 | Behavioral and neural network abnormalities in human APP transgenic mice resemble those of App knock-in mice and are modulated by familial Alzheimer's disease mutations but not by inhibition of BACE1. Molecular Neurodegeneration, 2020, 15, 53. | 4.4 | 44 |
| 969 | Anatomical Landmarks and DAG Network Learning for Alzheimer's Disease Diagnosis. IEEE Access, 2020, 8, 206063-206073. | 2.6 | 11 |
| 970 | Recent Progress in Small Spirocyclic, Xanthene-Based Fluorescent Probes. Molecules, 2020, 25, 5964. | 1.7 | 26 |
| 971 | Alzheimer's genetic risk factor FERMT2 (Kindlin-2) controls axonal growth and synaptic plasticity in an APP-dependent manner. Molecular Psychiatry, 2021, 26, 5592-5607. | 4.1 | 28 |
| 972 | Mechanisms of neurodegeneration — Insights from familial Alzheimer's disease. Seminars in Cell and Developmental Biology, 2020, 105, 75-85. | 2.3 | 35 |
| 973 | Intracellular Trafficking Mechanisms of Synaptic Dysfunction in Alzheimer's Disease. Frontiers in Cellular Neuroscience, 2020, 14, 72. | 1.8 | 31 |
| 974 | Peripheral clearance of brain-derived \hat{A}^2 in Alzheimer's disease: pathophysiology and therapeutic perspectives. Translational Neurodegeneration, 2020, 9, 16. | 3.6 | 83 |
| 975 | Expanding the Phenotype of Frontotemporal Lobar Degeneration With FUS-Positive Pathology (FTLD-FUS). Journal of Neuropathology and Experimental Neurology, 2020, 79, 809-812. | 0.9 | 5 |
| 976 | Long-term safety and tolerability of atabecestat (JNJ-54861911), an oral BACE1 inhibitor, in early Alzheimer's disease spectrum patients: a randomized, double-blind, placebo-controlled study and a two-period extension study. Alzheimer's Research and Therapy, 2020, 12, 58. | 3.0 | 56 |
| 977 | Partial reduction of amyloid \hat{l}^2 production by \hat{l}^2 -secretase inhibitors does not decrease synaptic transmission. Alzheimer's Research and Therapy, 2020, 12, 63. | 3.0 | 21 |
| 978 | Effects of Disulfide Bonds on Binding of Inhibitors to \hat{I}^2 -Amyloid Cleaving Enzyme 1 Decoded by Multiple Replica Accelerated Molecular Dynamics Simulations. ACS Chemical Neuroscience, 2020, 11, 1811-1826. | 1.7 | 42 |
| 979 | Shifting paradigms: The central role of microglia in Alzheimer's disease. Neurobiology of Disease, 2020, 143, 104962. | 2.1 | 60 |
| 980 | Genetic architecture of Alzheimer's disease. Neurobiology of Disease, 2020, 143, 104976. | 2.1 | 73 |
| 981 | Synonymous variants associated with Alzheimer disease in multiplex families. Neurology: Genetics, 2020, 6, e450. | 0.9 | 9 |
| 982 | Tipping the Scales: Peptide-Dependent Dysregulation of Neural Circuit Dynamics in Alzheimer's Disease. Neuron, 2020, 107, 417-435. | 3.8 | 90 |
| 983 | Alzheimer's Disease in Down Syndrome: Progress in the Design and Conduct of Drug Prevention Trials. CNS Drugs, 2020, 34, 785-794. | 2.7 | 11 |
| 984 | Mutated ATP10B increases Parkinson's disease risk by compromising lysosomal glucosylceramide export. Acta Neuropathologica, 2020, 139, 1001-1024. | 3.9 | 46 |
| 985 | Effect of Alzheimer's Disease Causative and Protective Mutations on the Hydration Environment of Amyloid-β. Journal of Physical Chemistry B, 2020, 124, 2311-2322. | 1.2 | 5 |

| # | Article | IF | CITATIONS |
|------|--|-----|-----------|
| 986 | NRBP1-Containing CRL2/CRL4A Regulates Amyloid \hat{l}^2 Production by Targeting BRI2 and BRI3 for Degradation. Cell Reports, 2020, 30, 3478-3491.e6. | 2.9 | 20 |
| 987 | Real-time nanoscale organization of amyloid precursor protein. Nanoscale, 2020, 12, 8200-8215. | 2.8 | 19 |
| 988 | Molecular Pathogenesis and Interventional Strategies for Alzheimer's Disease: Promises and Pitfalls. ACS Pharmacology and Translational Science, 2020, 3, 472-488. | 2.5 | 21 |
| 989 | Prominent amyloid plaque pathology and cerebral amyloid angiopathy in APP V717I (London) carrier – phenotypic variability in autosomal dominant Alzheimer's disease. Acta Neuropathologica Communications, 2020, 8, 31. | 2.4 | 14 |
| 990 | Pathogenic PSEN1 Glu184Gly Mutation in a Family from Thailand with Probable Autosomal Dominant Early Onset Alzheimer's Disease. Diagnostics, 2020, 10, 135. | 1.3 | 3 |
| 991 | Protective effects of grape seed procyanidin on isoflurane-induced cognitive impairment in mice. Pharmaceutical Biology, 2020, 58, 200-207. | 1.3 | 11 |
| 992 | Current clinical approaches in neurodegenerative diseases. , 2020, , 79-124. | | 1 |
| 993 | Good Cop, Bad Cop: Defining the Roles of î"40p53 in Cancer and Aging. Cancers, 2020, 12, 1659. | 1.7 | 22 |
| 994 | New BACE1 Chimeric Peptide InhibitorsÂSelectively Prevent AβPP-β Cleavage Decreasing Amyloid-β Production and Accumulation in Alzheimer's Disease Models. Journal of Alzheimer's Disease, 2020, 76, 1317-1337. | 1.2 | 6 |
| 995 | Resting State fMRI and Improved Deep Learning Algorithm for Earlier Detection of Alzheimer's Disease. IEEE Access, 2020, 8, 115383-115392. | 2.6 | 40 |
| 996 | Enhancing and Complementary Mechanisms of Synergistic Action of Acori Tatarinowii Rhizoma and Codonopsis Radix for Alzheimer's Disease Based on Systems Pharmacology. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-26. | 0.5 | 4 |
| 997 | <i>APP</i> -Induced Patterned Neurodegeneration Is Exacerbated by <i>APOE4</i> ii>in <i>Caenorhabditis elegans</i> . G3: Genes, Genomes, Genetics, 2020, 10, 2851-2861. | 0.8 | 4 |
| 998 | 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 |
| 999 | A Pooled Analysis of Three Randomized Phase I/IIa Clinical Trials Confirms Absence of a Clinically Relevant Effect on the QTc Interval by Umibecestat. Clinical and Translational Science, 2020, 13, 1316-1326. | 1.5 | 6 |
| 1000 | Clinical and cellular aspects of traumatic brain injury. , 2020, , 745-765. | | 1 |
| 1001 | Neuronal chloride transporters in neurodegenerative diseases. , 2020, , 641-684. | | 3 |
| 1002 | Pathogenic $\hat{Al^2}$ generation in familial Alzheimer $\hat{a} \in \mathbb{N}$ s disease: novel mechanistic insights and therapeutic implications. Current Opinion in Neurobiology, 2020, 61, 73-81. | 2.0 | 22 |
| 1003 | The multiplex model of the genetics of Alzheimer's disease. Nature Neuroscience, 2020, 23, 311-322. | 7.1 | 291 |

| # | Article | IF | CITATIONS |
|------|---|-----|-----------|
| 1004 | Genetic architecture of neurodegenerative dementias. Neuropharmacology, 2020, 168, 108014. | 2.0 | 5 |
| 1006 | Oligomers Are Promising Targets for Drug Development in the Treatment of Proteinopathies. Frontiers in Molecular Neuroscience, 2019, 12, 319. | 1.4 | 15 |
| 1007 | The interRAI Suite of Mental Health Assessment Instruments: An Integrated System for the Continuum of Care. Frontiers in Psychiatry, 2019, 10, 926. | 1.3 | 70 |
| 1008 | Overview of cannabidiol (CBD) and its analogues: Structures, biological activities, and neuroprotective mechanisms in epilepsy and Alzheimer's disease. European Journal of Medicinal Chemistry, 2020, 192, 112163. | 2.6 | 85 |
| 1009 | Systematic validation of variants of unknown significance in APP, PSEN1 and PSEN2. Neurobiology of Disease, 2020, 139, 104817. | 2.1 | 26 |
| 1010 | Elucidating the Effect of Static Electric Field on Amyloid Beta 1–42 Supramolecular Assembly. Journal of Molecular Graphics and Modelling, 2020, 96, 107535. | 1.3 | 14 |
| 1011 | Augmentation of Bri2 molecular chaperone activity against amyloid- \hat{l}^2 reduces neurotoxicity in mouse hippocampus in vitro. Communications Biology, 2020, 3, 32. | 2.0 | 42 |
| 1012 | Galectin 3–binding protein suppresses amyloid-β production by modulating β-cleavage of amyloid precursor protein. Journal of Biological Chemistry, 2020, 295, 3678-3691. | 1.6 | 29 |
| 1013 | Predicted loss and gain of function mutations in ACO1 are associated with erythropoiesis. Communications Biology, 2020, 3, 189. | 2.0 | 30 |
| 1014 | Amyloid β-protein and beyond: the path forward in Alzheimer's disease. Current Opinion in Neurobiology, 2020, 61, 116-124. | 2.0 | 87 |
| 1015 | Interaction Volume Is a Measure of the Aggregation Propensity of Amyloid- \hat{l}^2 . Journal of Physical Chemistry Letters, 2020, 11, 3993-4000. | 2.1 | 5 |
| 1016 | Alzheimer's disease beyond amyloid: Can the repetitive failures of amyloid-targeted therapeutics inform future approaches to dementia drug discovery?. Biochemical Pharmacology, 2020, 177, 113945. | 2.0 | 62 |
| 1017 | New Insights into the Molecular Bases of Familial Alzheimer's Disease. Journal of Personalized Medicine, 2020, 10, 26. | 1.1 | 19 |
| 1018 | Substrate recruitment by \hat{I}^3 -secretase. Seminars in Cell and Developmental Biology, 2020, 105, 54-63. | 2.3 | 13 |
| 1019 | Synaptic Vesicle Protein 2B Negatively Regulates the Amyloidogenic Processing of AÎ ² PP as a Novel Interaction Partner of BACE1. Journal of Alzheimer's Disease, 2020, 75, 173-185. | 1.2 | 7 |
| 1020 | Regulatory function of praja ring finger ubiquitin ligase 2 mediated by the <i>P2rx3/P2rx7</i> axis in mouse hippocampal neuronal cells. American Journal of Physiology - Cell Physiology, 2020, 318, C1123-C1135. | 2.1 | 9 |
| 1021 | Oligomerization and Conformational Change Turn Monomeric β-Amyloid and Tau Proteins Toxic: Their Role in Alzheimer's Pathogenesis. Molecules, 2020, 25, 1659. | 1.7 | 60 |
| 1022 | Neurodegenerative and Hepatorenal Disorders Induced Via Aluminum Chloride in Murine System: Impact of \hat{l}^2 -Secretase, MAPK, and KIM. Biological Trace Element Research, 2021, 199, 227-236. | 1.9 | 16 |

| # | Article | IF | CITATIONS |
|------|--|-----|-----------|
| 1023 | The β-Secretase BACE1 in Alzheimer's Disease. Biological Psychiatry, 2021, 89, 745-756. | 0.7 | 336 |
| 1024 | Functional effects of protein variants. Biochimie, 2021, 180, 104-120. | 1.3 | 30 |
| 1025 | The Ups and Downs of BACE1: Walking a Fine Line between Neurocognitive and Other Psychiatric Symptoms of Alzheimer's Disease. Neuroscientist, 2021, 27, 222-234. | 2.6 | 4 |
| 1026 | Small-molecule BACE1 inhibitors: a patent literature review (2011 to 2020). Expert Opinion on Therapeutic Patents, 2021, 31, 25-52. | 2.4 | 22 |
| 1027 | Alzheimer's protection effect of A673T mutation may be driven by lower Aβ oligomer binding affinity. Journal of Neurochemistry, 2021, 157, 1316-1330. | 2.1 | 20 |
| 1028 | Mechanisms of neuronal survival safeguarded by endocytosis and autophagy. Journal of Neurochemistry, 2021, 157, 263-296. | 2.1 | 25 |
| 1029 | Dissecting Alzheimer's disease pathogenesis in human 2D and 3D models. Molecular and Cellular Neurosciences, 2021, 110, 103568. | 1.0 | 30 |
| 1030 | β-amyloid: The known unknowns. Ageing Research Reviews, 2021, 65, 101212. | 5.0 | 27 |
| 1031 | Genetic variants in glutamate-, Aβâ^³, and tau-related pathways determine polygenic risk for Alzheimer's disease. Neurobiology of Aging, 2021, 101, 299.e13-299.e21. | 1.5 | 7 |
| 1032 | Compact fibril-like structure of amyloid β-peptide (1–42) monomers. Chemical Communications, 2021, 57, 947-950. | 2.2 | 15 |
| 1033 | Critical thinking on amyloid-beta-targeted therapy: challenges and perspectives. Science China Life Sciences, 2021, 64, 926-937. | 2.3 | 12 |
| 1034 | Rational designs of in vivo CRISPR-Cas delivery systems. Advanced Drug Delivery Reviews, 2021, 168, 3-29. | 6.6 | 125 |
| 1035 | Hydration Thermodynamics of the N-Terminal FAD Mutants of Amyloid-β. Journal of Chemical Information and Modeling, 2021, 61, 298-310. | 2.5 | 7 |
| 1036 | Nanodelivery of oxiracetam enhances memory, functional recovery and induces neuroprotection following concussive head injury. Progress in Brain Research, 2021, 265, 139-230. | 0.9 | 9 |
| 1037 | Effects of lons and Small Compounds on the Structure of A $\hat{1}^2$ 42 Monomers. Journal of Physical Chemistry B, 2021, 125, 1085-1097. | 1.2 | 3 |
| 1038 | Post-Translational Modifications of BACE1 in Alzheimer's Disease. Current Neuropharmacology, 2022, 20, 211-222. | 1.4 | 7 |
| 1039 | Insight into the genetic etiology of Alzheimer's disease: A comprehensive review of the role of rare variants. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2021, 13, e12155. | 1.2 | 33 |
| 1040 | Is \hat{I}^3 -secretase a beneficial inactivating enzyme of the toxic APP C-terminal fragment C99?. Journal of Biological Chemistry, 2021, 296, 100489. | 1.6 | 32 |

| # | Article | IF | CITATIONS |
|------|--|-----|-----------|
| 1041 | Rare Coding Variants Associated with Breast Cancer. Advances in Experimental Medicine and Biology, 2021, 1187, 435-453. | 0.8 | 0 |
| 1042 | Genetic Aspects of Early-Onset Alzheimer's Disease. , 2021, , 29-39. | | 0 |
| 1043 | Hydrophilic loop 1 of Presenilin-1 and the APP GxxxG transmembrane motif regulate \hat{I}^3 -secretase function in generating Alzheimer-causing A \hat{I}^2 peptides. Journal of Biological Chemistry, 2021, 296, 100393. | 1.6 | 22 |
| 1044 | Autophagy-Dependent Increased ADAM10 Mature Protein Induced by TFEB Overexpression Is Mediated Through PPARI±. Molecular Neurobiology, 2021, 58, 2269-2283. | 1.9 | 5 |
| 1045 | Genetics of Alzheimer's disease. Wiener Medizinische Wochenschrift, 2021, 171, 249-256. | 0.5 | 11 |
| 1046 | Metabolic disorder in Alzheimer's disease. Metabolic Brain Disease, 2021, 36, 781-813. | 1.4 | 23 |
| 1047 | Molecular Genetics of Early- and Late-Onset Alzheimer's Disease. Current Gene Therapy, 2021, 21, 43-52. | 0.9 | 16 |
| 1048 | Defective Lysosomal Lipid Catabolism as a Common Pathogenic Mechanism for Dementia. NeuroMolecular Medicine, 2021, 23, 1-24. | 1.8 | 9 |
| 1050 | Discovery of Atabecestat (JNJ-54861911): A Thiazine-Based \hat{l}^2 -Amyloid Precursor Protein Cleaving Enzyme 1 Inhibitor Advanced to the Phase 2b/3 EARLY Clinical Trial. Journal of Medicinal Chemistry, 2021, 64, 1873-1888. | 2.9 | 30 |
| 1051 | A promising new γ-secretase modulator for Alzheimer's disease. Journal of Experimental Medicine, 2021, 218, . | 4.2 | 1 |
| 1052 | Apoptotic neurons and amyloid-beta clearance by phagocytosis in Alzheimer's disease: Pathological mechanisms and therapeutic outlooks. European Journal of Pharmacology, 2021, 895, 173873. | 1.7 | 24 |
| 1053 | Mechanistic insights into the pathogenesis of neurodegenerative diseases: towards the development of effective therapy. Molecular and Cellular Biochemistry, 2021, 476, 2739-2752. | 1.4 | 12 |
| 1054 | Findings of Efficacy, Safety, and Biomarker Outcomes of Atabecestat in Preclinical Alzheimer Disease. JAMA Neurology, 2021, 78, 293. | 4.5 | 57 |
| 1055 | Searching the Dark Genome for Alzheimer's Disease Risk Variants. Brain Sciences, 2021, 11, 332. | 1.1 | 10 |
| 1056 | Genetic testing in dementiaâ€A medical genetics perspective. International Journal of Geriatric Psychiatry, 2021, 36, 1158-1170. | 1.3 | 9 |
| 1057 | Structure-Based Approaches to Improving Selectivity through Utilizing Explicit Water Molecules: Discovery of Selective Î ² -Secretase (BACE1) Inhibitors over BACE2. Journal of Medicinal Chemistry, 2021, 64, 3075-3085. | 2.9 | 11 |
| 1058 | In silico Analysis of Polymorphisms in microRNAs Deregulated in Alzheimer Disease. Frontiers in Neuroscience, 2021, 15, 631852. | 1.4 | 4 |
| 1060 | The Effect of TCM-Induced HAMP on Key Enzymes in the Hydrolysis of AD Model Cells. Neurochemical Research, 2021, 46, 1068-1080. | 1.6 | 2 |

| # | Article | IF | CITATIONS |
|------|---|------|-----------|
| 1061 | Toxic Amyloid-β42 Conformer May Accelerate the Onset of Alzheimer's Disease in the Preclinical Stage. Journal of Alzheimer's Disease, 2021, 80, 639-646. | 1.2 | 2 |
| 1062 | MicroRNAâ€340â€5p increases telomere length by targeting telomere protein POT1 to improve Alzheimer's disease in mice. Cell Biology International, 2021, 45, 1306-1315. | 1.4 | 9 |
| 1063 | Impact of pre- and post-variant filtration strategies on imputation. Scientific Reports, 2021, 11, 6214. | 1.6 | 3 |
| 1064 | Plasmonic Nanoparticles as Optical Sensing Probes for the Detection of Alzheimer's Disease. Sensors, 2021, 21, 2067. | 2.1 | 19 |
| 1065 | Accelerated longâ€ŧerm forgetting is a BACE1 inhibitorâ€reversible incipient cognitive phenotype in Alzheimer's disease model mice. Neuropsychopharmacology Reports, 2021, 41, 255-259. | 1.1 | 5 |
| 1066 | The Protective A673T Mutation of Amyloid Precursor Protein (APP) in Alzheimer's Disease. Molecular Neurobiology, 2021, 58, 4038-4050. | 1.9 | 16 |
| 1067 | Protective genes and pathways in Alzheimer's disease: moving towards precision interventions. Molecular Neurodegeneration, 2021, 16, 29. | 4.4 | 58 |
| 1068 | Emerging genetic complexity and rare genetic variants in neurodegenerative brain diseases. Genome Medicine, 2021, 13, 59. | 3.6 | 16 |
| 1069 | COVID-19 and Alzheimer's disease: how one crisis worsens the other. Translational Neurodegeneration, 2021, 10, 15. | 3.6 | 74 |
| 1070 | Phase II (NAVIGATE-AD study) Results of LY3202626 Effects on Patients with Mild Alzheimer's Disease Dementia. Journal of Alzheimer's Disease Reports, 2021, 5, 321-336. | 1.2 | 17 |
| 1071 | Alzheimer's disease. Lancet, The, 2021, 397, 1577-1590. | 6.3 | 1,530 |
| 1072 | Structural Analysis of the Simultaneous Activation and Inhibition of γ-Secretase Activity in the Development of Drugs for Alzheimer's Disease. Pharmaceutics, 2021, 13, 514. | 2.0 | 8 |
| 1073 | Wholeâ€genome sequencing reveals new Alzheimer's disease–associated rare variants in loci related to synaptic function and neuronal development. Alzheimer's and Dementia, 2021, 17, 1509-1527. | 0.4 | 50 |
| 1074 | How understudied populations have contributed to our understanding of Alzheimer's disease genetics. Brain, 2021, 144, 1067-1081. | 3.7 | 10 |
| 1075 | Alzheimer disease. Nature Reviews Disease Primers, 2021, 7, 33. | 18.1 | 784 |
| 1076 | Understanding amphisomes. Biochemical Journal, 2021, 478, 1959-1976. | 1.7 | 57 |
| 1078 | Donanemab in Early Alzheimer's Disease. New England Journal of Medicine, 2021, 384, 1691-1704. | 13.9 | 633 |
| 1079 | What Can Genome Editing Be Used for?., 2021, , 141-191. | | 0 |

| # | Article | IF | CITATIONS |
|------|---|------|-----------|
| 1080 | Structural Studies Providing Insights into Production and Conformational Behavior of Amyloid-β Peptide Associated with Alzheimer's Disease Development. Molecules, 2021, 26, 2897. | 1.7 | 15 |
| 1081 | Calcium Dyshomeostasis in Alzheimer's Disease Pathogenesis. International Journal of Molecular Sciences, 2021, 22, 4914. | 1.8 | 76 |
| 1082 | MicroRNA-4422-5p as a Negative Regulator of Amyloidogenic Secretases: A Potential Biomarker for Alzheimer's Disease. Neuroscience, 2021, 463, 108-115. | 1.1 | 6 |
| 1083 | Peptides Derived from Growth Factors to Treat Alzheimer's Disease. International Journal of Molecular Sciences, 2021, 22, 6071. | 1.8 | 10 |
| 1084 | Common variants in Alzheimer's disease and risk stratification by polygenic risk scores. Nature Communications, 2021, 12, 3417. | 5.8 | 140 |
| 1085 | GPR40 receptor agonist TAK-875 improves cognitive deficits and reduces \hat{l}^2 -amyloid production in APPswe/PS1dE9 mice. Psychopharmacology, 2021, 238, 2133-2146. | 1.5 | 4 |
| 1086 | Base editing strategy for insertion of the A673T mutation in the APP gene to prevent the development of AD inÂvitro. Molecular Therapy - Nucleic Acids, 2021, 24, 253-263. | 2.3 | 17 |
| 1087 | Discovery and Early Clinical Development of LY3202626, a Low-Dose, CNS-Penetrant BACE Inhibitor. Journal of Medicinal Chemistry, 2021, 64, 8076-8100. | 2.9 | 10 |
| 1088 | Dietary intervention with edible medicinal plants and derived products for prevention of Alzheimer's disease: A compendium of time-tested strategy. Journal of Functional Foods, 2021, 81, 104463. | 1.6 | 15 |
| 1090 | Nutraceutical and Probiotic Approaches to Examine Molecular Interactions of the Amyloid Precursor Protein APP in Drosophila Models of Alzheimer's Disease. International Journal of Molecular Sciences, 2021, 22, 7022. | 1.8 | 5 |
| 1091 | Design, synthesis and in-vitro evaluation of fluorinated triazoles as multi-target directed ligands for Alzheimer disease. Bioorganic and Medicinal Chemistry Letters, 2021, 42, 127999. | 1.0 | 6 |
| 1092 | Sanweidoukou decoction, a Chinese herbal formula, ameliorates \hat{l}^2 -amyloid protein-induced neuronal insult via modulating MAPK/NF- \hat{l}^2 B signaling pathways: Studies in vivo and in vitro. Journal of Ethnopharmacology, 2021, 273, 114002. | 2.0 | 12 |
| 1093 | GPR120 Signaling Controls Amyloid- \hat{l}^2 Degrading Activity of Matrix Metalloproteinases. Journal of Neuroscience, 2021, 41, 6173-6185. | 1.7 | 7 |
| 1094 | Refining the amyloid \hat{l}^2 peptide and oligomer fingerprint ambiguities in Alzheimerâ \in TM s disease: Mass spectrometric molecular characterization in brain, cerebrospinal fluid, blood, and plasma. Journal of Neurochemistry, 2021, 159, 234-257. | 2.1 | 8 |
| 1095 | Neuronal spreading and plaque induction of intracellular $A\hat{l}^2$ and its disruption of $A\hat{l}^2$ homeostasis. Acta Neuropathologica, 2021, 142, 669-687. | 3.9 | 17 |
| 1096 | Genetic signature of human longevity in PKC and NFâ€Î°B signaling. Aging Cell, 2021, 20, e13362. | 3.0 | 12 |
| 1097 | The complexity of Alzheimer's disease: an evolving puzzle. Physiological Reviews, 2021, 101, 1047-1081. | 13.1 | 110 |
| 1098 | Gene therapy using $\hat{Al^2}$ variants for amyloid reduction. Molecular Therapy, 2021, 29, 2294-2307. | 3.7 | 7 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1099 | Association of Coding Variants in Hydroxysteroid 17-beta Dehydrogenase 14 (HSD17B14) with Reduced Progression to End Stage Kidney Disease in Type 1 Diabetes. Journal of the American Society of Nephrology: JASN, 2021, 32, 2634-2651. | 3.0 | 9 |
| 1100 | Suppression of amyloid $\hat{a} \in \hat{l}^2$ secretion from neurons by $\langle i \rangle cis \langle i \rangle \hat{a} \in \mathcal{I}$, $\langle i \rangle \hat{a} \in \mathcal{I}$ 1 $\hat{a} \in \mathcal{I}$ 2 $\hat{a} \in \mathcal{I}$ 3 $\hat{a} \in $ | 2.1 | 3 |
| 1101 | The <i>Uppsala APP</i> deletion causes early onset autosomal dominant Alzheimer's disease by altering APP processing and increasing amyloid β fibril formation. Science Translational Medicine, 2021, 13, . | 5.8 | 23 |
| 1103 | The Amyloid-β Pathway in Alzheimer's Disease. Molecular Psychiatry, 2021, 26, 5481-5503. | 4.1 | 478 |
| 1104 | Diagnosi clinicolaboratoristica della malattia di Alzheimer. EMC - Neurologia, 2021, 21, 1-15. | 0.0 | 0 |
| 1105 | Cross-Seeded Fibrillation Induced by Pyroglutamate-3 and Truncated $\hat{Al^2}$ sub>40 Variants Leads to $\hat{Al^2}$ sub>40 Structural Polymorphism Modulation and Elevated Toxicity. ACS Chemical Neuroscience, 2021, 12, 3625-3637. | 1.7 | 11 |
| 1106 | Coassembly of Macrocyclic Amphiphiles for Anti-β-Amyloid Therapy of Alzheimer's Disease. CCS Chemistry, 2021, 3, 2485-2497. | 4.6 | 26 |
| 1107 | JNJ-67569762, A 2-Aminotetrahydropyridine-Based Selective BACE1 Inhibitor Targeting the S3 Pocket: From Discovery to Clinical Candidate. Journal of Medicinal Chemistry, 2021, 64, 14175-14191. | 2.9 | 10 |
| 1108 | <i>APOE3</i> -Jacksonville (V236E) variant reduces self-aggregation and risk of dementia. Science Translational Medicine, 2021, 13, eabc9375. | 5.8 | 37 |
| 1109 | Discovery of Extremely Selective Fused Pyridine-Derived \hat{l}^2 -Site Amyloid Precursor Protein-Cleaving Enzyme (BACE1) Inhibitors with High In Vivo Efficacy through 10s Loop Interactions. Journal of Medicinal Chemistry, 2021, 64, 14165-14174. | 2.9 | 4 |
| 1110 | The case for low-level BACE1 inhibition for the prevention of Alzheimer disease. Nature Reviews Neurology, 2021, 17, 703-714. | 4.9 | 65 |
| 1111 | Lemur tail kinase 1 (LMTK1) regulates the endosomal localization of \hat{l}^2 -secretase BACE1. Journal of Biochemistry, 2021, 170, 729-738. | 0.9 | 4 |
| 1112 | Improvement of cognitive performance by a nutraceutical formulation: Underlying mechanisms revealed by laboratory studies. Free Radical Biology and Medicine, 2021, 174, 281-304. | 1.3 | 3 |
| 1113 | Synthesis, biological evaluation and molecular modeling of benzofuran piperidine derivatives as $\hat{Al^2}$ antiaggregant. European Journal of Medicinal Chemistry, 2021, 222, 113541. | 2.6 | 12 |
| 1114 | Evolution of genetic testing supports precision medicine for caring Alzheimer's disease patients. Current Opinion in Pharmacology, 2021, 60, 275-280. | 1.7 | 5 |
| 1115 | Structure Dependent Differential Modulation of ${\hat {\sf Al^2}}$ Fibrillization by Selenadiazole-Based Inhibitors. ACS Chemical Neuroscience, 2021, 12, 3806-3817. | 1.7 | 2 |
| 1116 | Clinical trials for Alzheimer's disease in Down syndrome. , 2022, , 307-318. | | 0 |
| 1117 | Genetics of Alzheimer's disease in adults with Down syndrome. , 2022, , 193-208. | | O |

| # | Article | IF | Citations |
|------|---|-----|-----------|
| 1118 | The Ups and Downs of Amyloid in Alzheimer's. journal of prevention of Alzheimer's disease, The, 2022, 9, 1-4. | 1.5 | 2 |
| 1119 | Enlargement of early endosomes and traffic jam in basal forebrain cholinergic neurons in Alzheimer's disease. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2021, 179, 207-218. | 1.0 | 2 |
| 1120 | Early-Onset Alzheimer's Disease: What Is Missing in Research?. Current Neurology and Neuroscience Reports, 2021, 21, 4. | 2.0 | 88 |
| 1121 | Local Strategies of Strengthening the Caregiving Potential of Families of People with Alzheimer's Disease—Good Practices Introduced in Poland. , 2021, , 137-154. | | 0 |
| 1124 | Preclinical and clinical biomarker studies of CT1812: A novel approach to Alzheimer's disease modification. Alzheimer's and Dementia, 2021, 17, 1365-1382. | 0.4 | 43 |
| 1125 | Translational animal models for Alzheimer's disease: An Alzheimer's Association Business Consortium Think Tank. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2020, 6, e12114. | 1.8 | 49 |
| 1126 | Autosomal Dominant Alzheimer's Disease: Underlying Causes. , 2014, , 27-47. | | 2 |
| 1127 | Dementia: Genes, Environments, Interactions. , 2014, , 201-231. | | 2 |
| 1128 | The Genetic Architecture of Idiopathic Scoliosis. , 2015, , 71-89. | | 2 |
| 1130 | Amyloid-β and Tau at theÂCrossroads of Alzheimer's Disease. Advances in Experimental Medicine and Biology, 2019, 1184, 187-203. | 0.8 | 115 |
| 1131 | Altered lipid metabolic homeostasis in the pathogenesis of Alzheimer's disease. , 2020, , 469-504. | | 5 |
| 1132 | Application of yeast to studying amyloid and prion diseases. Advances in Genetics, 2020, 105, 293-380. | 0.8 | 19 |
| 1134 | Amyloidogenic processing of Alzheimer's disease β-amyloid precursor protein induces cellular iron retention. Molecular Psychiatry, 2020, 25, 1958-1966. | 4.1 | 52 |
| 1135 | Insights into amyloid disease from fly models. Essays in Biochemistry, 2014, 56, 69-83. | 2.1 | 1 |
| 1136 | Amyloid β-peptide and Alzheimer's disease. Essays in Biochemistry, 2014, 56, 99-110. | 2.1 | 20 |
| 1137 | On Short Cuts: The Complexity of Studying the Early Diagnosis and Prevention of Alzheimer's Disease. , 2016, , 41-61. | | 3 |
| 1147 | BACE2, a conditional β-secretase, contributes to Alzheimer's disease pathogenesis. JCI Insight, 2019, 4, . | 2.3 | 59 |
| 1148 | Targeting of nonlipidated, aggregated apoE with antibodies inhibits amyloid accumulation. Journal of Clinical Investigation, 2018, 128, 2144-2155. | 3.9 | 105 |

| # | Article | IF | CITATIONS |
|------|---|------|-----------|
| 1149 | Blood will out: vascular contributions to Alzheimer's disease. Journal of Clinical Investigation, 2018, 128, 556-563. | 3.9 | 73 |
| 1150 | Hypothesis-driven genomics pays off. Genome Biology, 2012, 13, 176. | 13.9 | 2 |
| 1151 | Analysis of neurodegenerative disease-causing genes in dementia with Lewy bodies. Acta Neuropathologica Communications, 2020, 8, 5. | 2.4 | 27 |
| 1152 | Can Anti‑β-amyloid Monoclonal Antibodies Work in Autosomal Dominant Alzheimer Disease?. Neurology: Genetics, 2021, 7, e535. | 0.9 | 10 |
| 1153 | Rare Functional Variant in TM2D3 is Associated with Late-Onset Alzheimer's Disease. PLoS Genetics, 2016, 12, e1006327. | 1.5 | 47 |
| 1154 | Rare Variants in PLXNA4 and Parkinson's Disease. PLoS ONE, 2013, 8, e79145. | 1.1 | 16 |
| 1155 | Mechanistic Phenotypes: An Aggregative Phenotyping Strategy to Identify Disease Mechanisms Using GWAS Data. PLoS ONE, 2013, 8, e81503. | 1.1 | 15 |
| 1156 | Long-Term Oral Administration of Hop Flower Extracts Mitigates Alzheimer Phenotypes in Mice. PLoS ONE, 2014, 9, e87185. | 1.1 | 21 |
| 1157 | Evidence of a Novel Mechanism for Partial \hat{l}^3 -Secretase Inhibition Induced Paradoxical Increase in Secreted Amyloid \hat{l}^2 Protein. PLoS ONE, 2014, 9, e91531. | 1,1 | 19 |
| 1158 | Amyloid- \hat{l}^2 and Proinflammatory Cytokines Utilize a Prion Protein-Dependent Pathway to Activate NADPH Oxidase and Induce Cofilin-Actin Rods in Hippocampal Neurons. PLoS ONE, 2014, 9, e95995. | 1.1 | 58 |
| 1159 | Integrating EMR-Linked and In Vivo Functional Genetic Data to Identify New Genotype-Phenotype Associations. PLoS ONE, 2014, 9, e100322. | 1.1 | 4 |
| 1160 | Gene-Based Rare Allele Analysis Identified a Risk Gene of Alzheimer's Disease. PLoS ONE, 2014, 9, e107983. | 1.1 | 11 |
| 1161 | Examination of Candidate Exonic Variants for Association to Alzheimer Disease in the Amish. PLoS ONE, 2015, 10, e0118043. | 1.1 | 13 |
| 1162 | Perinatal Choline Supplementation Reduces Amyloidosis and Increases Choline Acetyltransferase Expression in the Hippocampus of the APPswePS1dE9 Alzheimer's Disease Model Mice. PLoS ONE, 2017, 12, e0170450. | 1.1 | 34 |
| 1163 | The protective mutation A673T in amyloid precursor protein gene decreases Aβ peptides production for 14 forms of Familial Alzheimer's Disease in SH-SY5Y cells. PLoS ONE, 2020, 15, e0237122. | 1.1 | 11 |
| 1164 | Functional Amyloids and their Possible Influence on Alzheimer Disease. Discoveries, 2017, 5, e79. | 1.5 | 9 |
| 1165 | Alzheimer's disease: amyloid-based pathogenesis and potential therapies. Cell Stress, 2018, 2, 150-161. | 1.4 | 27 |
| 1166 | $\hat{Al^2}$ Plaques. Free Neuropathology, 2020, 1 , . | 2.4 | 21 |

| # | Article | IF | CITATIONS |
|------|--|-----|-----------|
| 1167 | Reversal of cognitive decline: A novel therapeutic program. Aging, 2014, 6, 707-717. | 1.4 | 160 |
| 1168 | Deletion of the \hat{I}^3 -secretase subunits <i>Aph1B/C</i> impairs memory and worsens the deficits of knock-in mice modeling the Alzheimer-like familial Danish dementia. Oncotarget, 2016, 7, 11923-11944. | 0.8 | 17 |
| 1169 | The Panomics Approach in Neurodegenerative Disorders. Current Medicinal Chemistry, 2019, 26, 1712-1720. | 1.2 | 3 |
| 1170 | Disrupting Self-Assembly and Toxicity of Amyloidogenic Protein Oligomers by & Disrupting Self-Assembly and Toxicity of Amyloidogenic Protein Oligomers by & Disrupting Self-Assembly and Toxicity of Amyloidogenic Protein Oligomers by & Disrupting Self-Assembly and Toxicity of Amyloidogenic Protein Oligomers by & Disrupting Self-Assembly and Toxicity of Amyloidogenic Protein Oligomers by & Disrupting Self-Assembly and Toxicity of Amyloidogenic Protein Oligomers by & Disrupting Self-Assembly and Toxicity of Amyloidogenic Protein Oligomers by & Disrupting Self-Assembly and Toxicity of Amyloidogenic Protein Oligomers by & Disrupting Self-Assembly and Toxicity of Amyloidogenic Protein Oligomers by & Disrupting Self-Assembly and Toxicity of Amyloidogenic Protein Oligomers by & Disrupting Self-Assembly and Toxicity of Amyloidogenic Protein Oligomers by & Disrupting Self-Assembly and Toxicity of Amyloidogenic Protein Oligomers by & Disrupting Self-Assembly and Disrupti | 0.9 | 40 |
| 1171 | New Mechanism of Amyloid Fibril Formation. Current Protein and Peptide Science, 2019, 20, 630-640. | 0.7 | 16 |
| 1172 | The Normal and Pathologic Roles of the Alzheimer's β-secretase, BACE1. Current Alzheimer Research, 2014, 11, 441-449. | 0.7 | 40 |
| 1173 | Small Molecules and Alzheimer's Disease: Misfolding, Metabolism and Imaging. Current Alzheimer Research, 2015, 12, 445-461. | 0.7 | 21 |
| 1174 | Molecular Basis of Familial and Sporadic Alzheimer's Disease. Current Alzheimer Research, 2016, 13, 952-963. | 0.7 | 241 |
| 1175 | Therapeutic Strategies Targeting Amyloid-β in Alzheimer's Disease. Current Alzheimer Research, 2019, 16, 418-452. | 0.7 | 88 |
| 1176 | Insights into Aβ Aggregation: A Molecular Dynamics Perspective. Current Topics in Medicinal Chemistry, 2013, 12, 2596-2610. | 1.0 | 44 |
| 1177 | The Links between Cardiovascular Diseases and Alzheimer's Disease. Current Neuropharmacology, 2020, 19, 152-169. | 1.4 | 23 |
| 1178 | Oxidative Stress in the Pathogenesis of Alzheimer's Disease and Cerebrovascular Disease with Therapeutic Implications. CNS and Neurological Disorders - Drug Targets, 2020, 19, 94-108. | 0.8 | 20 |
| 1179 | Yeast contributions to Alzheimer's Disease. Journal of Human and Clinical Genetics, 2020, 2, 1-19. | 0.2 | 8 |
| 1180 | Neuropathological approaches to cerebral aging and neuroplasticity. Dialogues in Clinical Neuroscience, 2013, 15, 29-43. | 1.8 | 57 |
| 1181 | Neuroprotective Effects of Coffee Bioactive Compounds: A Review. International Journal of Molecular Sciences, 2021, 22, 107. | 1.8 | 97 |
| 1182 | Advance reseach on strategies for the prevention of Alzheimer's disease. Shenzhen Daxue Xuebao (Ligong Ban)/Journal of Shenzhen University Science and Engineering, 2013, 30, 331-348. | 0.1 | 2 |
| 1183 | Application of next-generation sequencing technologies in Neurology. Annals of Translational Medicine, 2014, 2, 125. | 0.7 | 28 |
| 1184 | Finding chemopreventatives to reduce amyloid beta in yeast. Neural Regeneration Research, 2016, 11, 244. | 1.6 | 4 |

| # | Article | IF | CITATIONS |
|------|---|-----|-----------|
| 1185 | Mutations of beta-amyloid precursor protein alter the consequence of Alzheimer's disease pathogenesis. Neural Regeneration Research, 2019, 14, 658. | 1.6 | 27 |
| 1186 | Physiological effects of amyloid precursor protein and its derivatives on neural stem cell biology and signaling pathways involved. Neural Regeneration Research, 2019, 14, 1661. | 1.6 | 22 |
| 1187 | The Potential Role of Epigenetics in Alzheimer?s Disease Etiology. Biological Systems, Open Access, 2012, 02, . | 0.1 | 3 |
| 1188 | Selective manipulation of aging: a novel strategy for the treatment of neurodegenerative disorders. Swiss Medical Weekly, 2014, 144, w13917. | 0.8 | 11 |
| 1189 | APP and APLP2 interact with the synaptic release machinery and facilitate transmitter release at hippocampal synapses. ELife, 2015, 4, e09743. | 2.8 | 73 |
| 1190 | Reversal of ApoE4-induced recycling block as a novel prevention approach for Alzheimer's disease. ELife, 2018, 7, . | 2.8 | 62 |
| 1191 | Opposite changes in APP processing and human $A\hat{l}^2$ levels in rats carrying either a protective or a pathogenic APP mutation. ELife, 2020, 9, . | 2.8 | 32 |
| 1192 | Beta Amyloid, Tau Protein, and Neuroinflammation: An Attempt to Integrate Different Hypotheses of Alzheimer's Disease Pathogenesis. Molecular Biology, 2021, 55, 670-682. | 0.4 | 10 |
| 1193 | A C-terminal ataxin-2 disordered region promotes Huntingtin protein aggregation and neurodegeneration in Drosophila models of Huntington's disease. G3: Genes, Genomes, Genetics, 2021, 11, . | 0.8 | 3 |
| 1195 | Amyloidogenic Processing of Amyloid Precursor Protein Drives Stretch-Induced Disruption of Axonal Transport in hiPSC-Derived Neurons. Journal of Neuroscience, 2021, 41, 10034-10053. | 1.7 | 14 |
| 1196 | Engineered pegRNAs improve prime editing efficiency. Nature Biotechnology, 2022, 40, 402-410. | 9.4 | 293 |
| 1197 | Letter Concerning <i>Medicare Should Not Cover Aducanumab as a Treatment for Alzheimer's Disease</i> by Moghavem, Henderson, and Greicius. Annals of Neurology, 2021, 90, 1004-1006. | 2.8 | 0 |
| 1199 | Personalized Neurology., 2013,, 575-612. | | 0 |
| 1201 | The Role of Metals in Alzheimer's Disease. 2-Oxoglutarate-Dependent Oxygenases, 2013, , 80-97. | 0.8 | 3 |
| 1202 | Challenges in the Neuropathological Diagnosis of Dementias. International Journal of Neuropathology, $0, \dots$ | 0.0 | 2 |
| 1205 | Metal Exposure and Alzheimer's Pathophysiology. Biochemistry & Pharmacology: Open Access, 2014, 03, | 0.2 | 0 |
| 1206 | Genetic Risk Factors for Alzheimer's Disease. , 2014, , 49-64. | | 0 |
| 1207 | Can Microbes Play a Role in the Pathogenesis of Alzheimer Disease?. , 2014, , 129-146. | | 0 |

| # | Article | IF | CITATIONS |
|------|---|-----|-----------|
| 1209 | Genetic Risk Factors for Neurodegenerative Diseases. , 2015, , 117-134. | | 0 |
| 1211 | Frontiers in Clinical Drug Research - Alzheimer Disorders. , 2015, , . | | 0 |
| 1212 | App. , 2016, , 1-8. | | 0 |
| 1213 | Aspects of Autophagy in Inflammatory Bowel Disease. , 2016, , 235-265. | | 0 |
| 1216 | Biomarkers in Mild Stages of Alzheimer's disease: Utility in clinical practice and their relation with nutritional and lifestyle factors. Functional Foods in Health and Disease, 2016, 6, 627. | 0.3 | 0 |
| 1217 | Verubecestat., 2017,, 204-251. | | 0 |
| 1219 | Арр. , 2017, , 1-8. | | 0 |
| 1223 | App., 2018, , 367-373. | | 0 |
| 1224 | Alzheimer's Disease â~†., 2018, , . | | 0 |
| 1225 | Solving the Puzzle of Neurodegeneration. , 2018, , 1-22. | | 2 |
| 1231 | Statistical Methods and Software for Substance Use and Dependence Genetic Research. Current Genomics, 2019, 20, 172-183. | 0.7 | 0 |
| 1233 | Contributing Factors of Neurodegeneration in Alzheimer's Disease. , 0, , 69-84. | | 0 |
| 1234 | Drug development against dementia based on understanding of molecular and cellular pathogenesis. Drug Delivery System, 2019, 34, 346-351. | 0.0 | 0 |
| 1237 | Genetics of dementia. , 2020, , 127-146. | | 0 |
| 1238 | Alzheimer's Disease: Etiology, Neuropathology and Pathogenesis. , 0, , 1-22. | | 22 |
| 1239 | Is It the Twilight of BACE1 Inhibitors?. Current Neuropharmacology, 2020, 19, 61-77. | 1.4 | 15 |
| 1240 | Genome-wide association study identifies quantitative trait loci affecting cattle temperament. Zoological Research, 2022, 43, 14-25. | 0.9 | 8 |
| 1241 | Targeting Alzheimer's disease and related dementias with CRISPR and human pluripotent stem cell technologies. , 2022, , 65-80. | | 0 |

| # | Article | IF | CITATIONS |
|------|--|-----|-----------|
| 1242 | Endoplasmic reticulum stress and associated ROS in disease pathophysiology applications. , 2020, , 265-297. | | 0 |
| 1243 | Verhaltens- und Neurogenetik. , 2020, , 813-895. | | 0 |
| 1244 | Prevention of Age-Related Cognitive Impairment, Alzheimer's Disease, and Dementia. , 2020, , 1-9. | | 0 |
| 1245 | Alzheimer's disease and other dementias. , 2020, , C24.4.2-C24.4.2.P126. | | 1 |
| 1246 | Genomics of Alzheimer's disease. , 2020, , 3-18. | | 0 |
| 1247 | Efeito da suplementação de ômega 3 isolado ou associado em pacientes com doença de Alzheimer: uma revisão sistemática da literatura cientÃfica. HU Revista, 2020, 45, 452-464. | 0.3 | 1 |
| 1250 | Symptomatic, Genetic, and Mechanistic Overlaps between Autism and Alzheimer's Disease. Biomolecules, 2021, 11, 1635. | 1.8 | 16 |
| 1257 | Evidence of endothelial dysfunction in the development of Alzheimer's disease: Is Alzheimer's a vascular disorder?. American Journal of Cardiovascular Disease, 2013, 3, 197-226. | 0.5 | 126 |
| 1260 | Whether Alzheimer's diseases related genes also differently express in the hippocampus of Ts65Dn mice?. International Journal of Clinical and Experimental Pathology, 2015, 8, 4120-5. | 0.5 | 2 |
| 1261 | Neural stem/progenitor cells in Alzheimer's disease. Yale Journal of Biology and Medicine, 2016, 89, 23-35. | 0.2 | 47 |
| 1263 | An insight into Alzheimer's disease and its on-setting novel genes. Egyptian Journal of Neurology, Psychiatry and Neurosurgery, 2021, 57, . | 0.4 | 4 |
| 1264 | The probabilistic model of Alzheimer disease: the amyloid hypothesis revised. Nature Reviews Neuroscience, 2022, 23, 53-66. | 4.9 | 203 |
| 1265 | A mechanistic survey of Alzheimer's disease. Biophysical Chemistry, 2022, 281, 106735. | 1.5 | 34 |
| 1266 | The Greek Variant in APP Gene: The Phenotypic Spectrum of APP Mutations. International Journal of Molecular Sciences, 2021, 22, 12355. | 1.8 | 1 |
| 1267 | Microglia-Based Sex-Biased Neuropathology in Early-Stage Alzheimer's Disease Model Mice and the Potential Pharmacologic Efficacy of Dioscin. Cells, 2021, 10, 3261. | 1.8 | 5 |
| 1268 | Tea polyphenols improve the memory in aging ovariectomized rats by regulating brain glucose metabolism in vivo and in vitro. Journal of Functional Foods, 2021, 87, 104856. | 1.6 | 7 |
| 1269 | BACE1: A Key Regulator in Alzheimer's Disease Progression and Current Development of its Inhibitors. Current Neuropharmacology, 2022, 20, 1174-1193. | 1.4 | 12 |
| 1271 | Prevention of Age-Related Cognitive Impairment, Alzheimer's Disease, and Dementia. , 2021, , 3948-3956. | | 0 |

| # | Article | IF | CITATIONS |
|------|---|------|-----------|
| 1272 | Challenge accepted: uncovering the role of rare genetic variants in Alzheimer's disease. Molecular Neurodegeneration, 2022, 17, 3. | 4.4 | 19 |
| 1273 | Measuring heritable contributions to Alzheimer's disease: polygenic risk score analysis with twins. Brain Communications, 2022, 4, fcab308. | 1.5 | 27 |
| 1274 | Amyloid-beta peptide and tau protein crosstalk in Alzheimer's disease. Neural Regeneration Research, 2022, 17, 1666. | 1.6 | 87 |
| 1276 | Regulation of neuronal autophagy and the implications in neurodegenerative diseases. Neurobiology of Disease, 2022, 162, 105582. | 2.1 | 23 |
| 1277 | The Cause of Alzheimer's Disease: The Theory of Multipathology Convergence to Chronic Neuronal Stress. , 2022, 13, 37. | | 22 |
| 1279 | Robust Pharmacodynamic Effect of LY3202626, a Central Nervous System Penetrant, Low Dose BACE1 Inhibitor, in Humans and Nonclinical Species. Journal of Alzheimer's Disease Reports, 2022, 6, 1-15. | 1.2 | 4 |
| 1280 | Mechanistic and therapeutic role of Drp1 in the pathogenesis of Alzheimer's disease. European Journal of Neuroscience, 2022, 56, 5516-5531. | 1.2 | 13 |
| 1281 | Physiology and pharmacology of amyloid precursor protein. , 2022, 235, 108122. | | 33 |
| 1282 | Insertion of the Icelandic Mutation (A673T) by Prime Editing: A Potential Preventive Treatment for Familial and Sporadic Alzheimer's Disease. CRISPR Journal, 2022, 5, 109-122. | 1.4 | 13 |
| 1283 | Advances in the discovery of genetic risk factors for complex forms of neurodegenerative disorders: contemporary approaches, success, challenges and prospects. Journal of Genetics, 2018, 97, 625-648. | 0.4 | 1 |
| 1284 | Tau-PET imaging as a molecular modality for Alzheimer's disease. American Journal of Nuclear Medicine and Molecular Imaging, 2021, 11, 374-386. | 1.0 | 0 |
| 1285 | Neuronal KCNQ2/3 channels are recruited to lipid raft microdomains by palmitoylation of BACE1. Journal of General Physiology, 2022, 154, . | 0.9 | 8 |
| 1286 | Testing the amyloid cascade hypothesis: Prevention trials in autosomal dominant Alzheimer disease. Alzheimer's and Dementia, 2022, 18, 2687-2698. | 0.4 | 13 |
| 1287 | The amyloid hypothesis in Alzheimer disease: new insights from new therapeutics. Nature Reviews Drug Discovery, 2022, 21, 306-318. | 21.5 | 273 |
| 1288 | Knockdown of Amyloid Precursor Protein: Biological Consequences and Clinical Opportunities. Frontiers in Neuroscience, 2022, 16, 835645. | 1.4 | 10 |
| 1289 | AAVâ€mediated delivery of an antiâ€BACE1 VHH alleviates pathology in an Alzheimer's disease model. EMBO Molecular Medicine, 2022, 14, e09824. | 3.3 | 13 |
| 1290 | Novel approaches to increase synaptic resilience as potential treatments for Alzheimer's disease. Seminars in Cell and Developmental Biology, 2023, 139, 84-92. | 2.3 | 7 |
| 1291 | Metabolites of soil microorganisms modulate amyloid β production in Alzheimer's neurons. Scientific Reports, 2022, 12, 2690. | 1.6 | 2 |

| # | Article | IF | CITATIONS |
|------|--|-----|-----------|
| 1292 | Whole-genome sequencing reveals that variants in the Interleukin 18 Receptor Accessory Protein 3′UTR protect against ALS. Nature Neuroscience, 2022, 25, 433-445. | 7.1 | 16 |
| 1293 | Alzheimer's disease – the journey of a healthy brain into organ failure. Molecular Neurodegeneration, 2022, 17, 18. | 4.4 | 41 |
| 1294 | Solving neurodegeneration: common mechanisms and strategies for new treatments. Molecular Neurodegeneration, 2022, 17, 23. | 4.4 | 83 |
| 1295 | Current Drug Targets in Alzheimer's Associated Memory Impairment: A Comprehensive Review. CNS and Neurological Disorders - Drug Targets, 2023, 22, 255-275. | 0.8 | 4 |
| 1296 | Rational design, synthesis and activities of hydroxylated chalcones as highly potent dual functional agents against Alzheimer's disease. Bioorganic Chemistry, 2022, 122, 105662. | 2.0 | 6 |
| 1297 | Application of CRISPR/Cas9 in Alzheimer's Disease. Frontiers in Neuroscience, 2021, 15, 803894. | 1.4 | 17 |
| 1298 | Sex-Specific Regulation of \hat{l}^2 -Secretase: A Novel Estrogen Response Element (ERE)-Dependent Mechanism in Alzheimer's Disease. Journal of Neuroscience, 2022, 42, 1154-1165. | 1.7 | 6 |
| 1299 | Genomics and Functional Genomics of Alzheimer's Disease. Neurotherapeutics, 2022, 19, 152-172. | 2.1 | 26 |
| 1300 | \hat{I}^3 -Secretase structure and activity are modified by alterations in its membrane localization and ambient environment. Journal of Biochemistry, 2022, 171, 253-256. | 0.9 | 2 |
| 1301 | Finding effective combinations of compounds to prevent Alzheimer's disease. Neural Regeneration Research, 2022, 17, 2450. | 1.6 | 0 |
| 1302 | PTPRD and DCC Are Novel BACE1 Substrates Differentially Expressed in Alzheimer's Disease: A Data Mining and Bioinformatics Study. International Journal of Molecular Sciences, 2022, 23, 4568. | 1.8 | 4 |
| 1312 | Alzheimer's Disease Biomarkers Revisited From the Amyloid Cascade Hypothesis Standpoint. Frontiers in Neuroscience, 2022, 16, 837390. | 1.4 | 12 |
| 1313 | Safety, Tolerability, and Immunogenicity of the ACI-24 Vaccine in Adults With Down Syndrome. JAMA Neurology, 2022, 79, 565. | 4.5 | 11 |
| 1314 | History in Perspective: The prime pathological players and role of phytochemicals in Alzheimer's disease. IBRO Neuroscience Reports, 2022, 12, 377-389. | 0.7 | 10 |
| 1315 | What contribution can genetics make to predict the risk of Alzheimer's disease?. Revue Neurologique, 2022, 178, 414-421. | 0.6 | 6 |
| 1317 | From cradle to grave: neurogenesis, neuroregeneration and neurodegeneration in Alzheimer's and Parkinson's diseases. Neural Regeneration Research, 2022, 17, 2606. | 1.6 | 17 |
| 1318 | Genetics of Alzheimer's disease: an East Asian perspective. Journal of Human Genetics, 2023, 68, 115-124. | 1.1 | 13 |
| 1319 | Vieillissement cérébral pathologique. , 2021, , 681-777. | | 0 |

| # | Article | IF | CITATIONS |
|------|---|-----|-----------|
| 1320 | Exploring the Involvement of the Amyloid Precursor Protein A673T Mutation against Amyloid Pathology and Alzheimer's Disease in Relation to Therapeutic Editing Tools. Pharmaceutics, 2022, 14, 1270. | 2.0 | 2 |
| 1321 | Mouse Models of Alzheimer's Disease. Frontiers in Molecular Neuroscience, 0, 15, . | 1.4 | 50 |
| 1322 | Genetics of Alzheimer Disease. CONTINUUM Lifelong Learning in Neurology, 2022, 28, 852-871. | 0.4 | 6 |
| 1323 | A comprehensive computational perspective in drug discovery for Alzheimer's disease Combinatorial Chemistry and High Throughput Screening, 2022, 25, . | 0.6 | 0 |
| 1324 | Brain Amyloid- $\tilde{A}\ddot{Y}$ Accumulation in AD Mouse Models Modified by Their Altered Gene Expression in the Presence of Human apoE Isoforms Through Aging Process. SSRN Electronic Journal, $0,$ | 0.4 | 0 |
| 1325 | <i>Polyrhachis vicina</i> Roger Alleviates Memory Impairment in a Rat Model of Alzheimer's Disease Through the EGR1/BACE1/APP Axis. ACS Chemical Neuroscience, 2022, 13, 1857-1867. | 1.7 | 3 |
| 1326 | Shati/Nat8l Overexpression Improves Cognitive Decline by Upregulating Neuronal Trophic Factor in Alzheimer's Disease Model Mice. Neurochemical Research, 2022, 47, 2805-2814. | 1.6 | 2 |
| 1327 | An isogenic panel of <i>App</i> knock-in mouse models: Profiling \hat{l}^2 -secretase inhibition and endosomal abnormalities. Science Advances, 2022, 8, . | 4.7 | 6 |
| 1328 | Amylin and Secretases in the Pathology and Treatment of Alzheimer's Disease. Biomolecules, 2022, 12, 996. | 1.8 | 5 |
| 1329 | Resolution exchange with tunneling for enhanced sampling of protein landscapes. Physical Review E, 2022, 106, . | 0.8 | 1 |
| 1330 | The Amyloid Cascade Hypothesis 2.0: On the Possibility of Once-in-a-Lifetime-Only Treatment for Prevention of Alzheimer's Disease and for Its Potential Cure at Symptomatic Stages. Journal of Alzheimer's Disease Reports, 2022, 6, 369-399. | 1.2 | 6 |
| 1331 | Current landscape of geneâ€editing technology in biomedicine: Applications, advantages, challenges, and perspectives. MedComm, 2022, 3, . | 3.1 | 2 |
| 1332 | Study of Alzheimer's disease- and frontotemporal dementia-associated genes in the Cretan Aging Cohort. Neurobiology of Aging, 2023, 123, 111-128. | 1.5 | 2 |
| 1333 | The neuroprotective effects of oxygen therapy in Alzheimer's disease: a narrative review. Neural Regeneration Research, 2023, 18, 57. | 1.6 | 10 |
| 1334 | Polygenic resilience scores capture protective genetic effects for Alzheimer's disease. Translational Psychiatry, 2022, 12, . | 2.4 | 6 |
| 1335 | If amyloid drives Alzheimer disease, why have anti-amyloid therapies not yet slowed cognitive decline?. PLoS Biology, 2022, 20, e3001694. | 2.6 | 67 |
| 1336 | Intravenous treatment with a molecular chaperone designed against \hat{l}^2 -amyloid toxicity improves Alzheimerâ \in TM s disease pathology in mouse models. Molecular Therapy, 2023, 31, 487-502. | 3.7 | 16 |
| 1337 | A novel bio-inspired strategy to prevent amyloidogenesis and synaptic damage in Alzheimer's disease. Molecular Psychiatry, 2022, 27, 5227-5234. | 4.1 | 6 |

| # | Article | IF | CITATIONS |
|------|---|-----|-----------|
| 1338 | Impact of A2T and D23N mutations on C99 homodimer conformations. Journal of Chemical Physics, 2022, 157, 085102. | 1.2 | 0 |
| 1339 | Applications of CRISPR-Cas9 in Alzheimer's Disease and Related Disorders. International Journal of Molecular Sciences, 2022, 23, 8714. | 1.8 | 14 |
| 1340 | Basics of amyloid β-protein in Alzheimer's disease. , 2022, , 73-89. | | 0 |
| 1341 | Herpes Simplex Virus Infection Increases Beta-Amyloid Production and Induces the Development of Alzheimer's Disease. BioMed Research International, 2022, 2022, 1-11. | 0.9 | 4 |
| 1342 | Cannabinoids – a new therapeutic strategy in neurology. , 2022, 125, 349-355. | | 4 |
| 1343 | Heads Up! Interlinked Amyloidogenic and Axonal Transport Pathways in Concussion-Induced Neurodegeneration. Neuroscience Insights, 2022, 17, 263310552211296. | 0.9 | 0 |
| 1344 | Menopause and development of Alzheimer's disease: Roles of neural glucose metabolism and Wnt signaling. Frontiers in Endocrinology, 0, 13, . | 1.5 | 3 |
| 1345 | Ovariectomy-induced hormone deprivation aggravates Aβ1-42 deposition in the basolateral amygdala and cholinergic fiber loss in the cortex but not cognitive behavioral symptoms in a triple transgenic mouse model of Alzheimer's disease. Frontiers in Endocrinology, 0, 13, . | 1.5 | 3 |
| 1346 | WINNER: A network biology tool for biomolecular characterization and prioritization. Frontiers in Big Data, $0, 5, \ldots$ | 1.8 | 2 |
| 1347 | Aspartic Proteases of Alzheimer's Disease: \hat{l}^2 - and \hat{l}^3 Secretases. , 2016, , 950-959. | | 0 |
| 1348 | Amyloid Cascade Hypothesis for the Treatment of Alzheimer's Disease: Progress and Challenges. , 2022, 13, 1745. | | 21 |
| 1349 | A Review of CRISPR Cas9 for Alzheimer's Disease: Treatment Strategies and Could target APOE e4, APP, and PSEN-1 Gene using CRISPR cas9 Prevent the Patient from Alzheimer's Disease?. Open Access Macedonian Journal of Medical Sciences, 2022, 10, 745-757. | 0.1 | 1 |
| 1350 | Physiological Roles of \hat{I}^2 -amyloid in Regulating Synaptic Function: Implications for AD Pathophysiology. Neuroscience Bulletin, 2023, 39, 1289-1308. | 1.5 | 13 |
| 1351 | BACE2: A Promising Neuroprotective Candidate for Alzheimer's Disease. Journal of Alzheimer's Disease, 2023, 94, S159-S171. | 1.2 | 2 |
| 1352 | Role of Hydrophobicity at the N-Terminal Region of A \hat{l}^2 42 in Secondary Nucleation. ACS Chemical Neuroscience, 2022, 13, 3477-3487. | 1.7 | 1 |
| 1354 | Rare Amyloid Precursor Protein Point Mutations Recapitulate Worldwide Migration and Admixture in Healthy Individuals: Implications for the Study of Neurodegeneration. International Journal of Molecular Sciences, 2022, 23, 15871. | 1.8 | 3 |
| 1356 | Accumulation of amyloid- \hat{l}^2 in the brain of mouse models of Alzheimer's disease is modified by altered gene expression in the presence of human apoE isoforms during aging. Neurobiology of Aging, 2023, 123, 63-74. | 1.5 | 2 |
| 1358 | Experimental approaches for altering the expression of Abetaâ€degrading enzymes. Journal of Neurochemistry, 2023, 164, 725-763. | 2.1 | 4 |

| # | Article | IF | CITATIONS |
|------|---|-----|-----------|
| 1360 | The Binding of Different Substrate Molecules at the Docking Site and the Active Site of γ-Secretase Can Trigger Toxic Events in Sporadic and Familial Alzheimer's Disease. International Journal of Molecular Sciences, 2023, 24, 1835. | 1.8 | 2 |
| 1361 | Aβ42 oligomer-specific antibody ALZ-201 reduces the neurotoxicity of Alzheimer's disease brain extracts. Alzheimer's Research and Therapy, 2022, 14, . | 3.0 | 3 |
| 1362 | The neuroimmune axis of Alzheimer's disease. Genome Medicine, 2023, 15, . | 3.6 | 59 |
| 1363 | The Pursuit of the "Inside―of the Amyloid Hypothesis—Is C99 a Promising Therapeutic Target for Alzheimer's Disease?. Cells, 2023, 12, 454. | 1.8 | 3 |
| 1364 | The Amyloid Cascade Hypothesis 2.0: Generalization of the Concept. Journal of Alzheimer's Disease Reports, 2023, 7, 21-35. | 1.2 | 4 |
| 1365 | Ageâ€dependent NMDA receptor function is regulated by the amyloid precursor protein. Aging Cell, 2023, 22, . | 3.0 | 6 |
| 1367 | Role of microbial dysbiosis in the pathogenesis of Alzheimer's disease. Neuropharmacology, 2023, 229, 109478. | 2.0 | 10 |
| 1368 | Prime Editing for Human Gene Therapy: Where Are We Now?. Cells, 2023, 12, 536. | 1.8 | 11 |
| 1369 | Multifactorial glial responses and their contributions to Alzheimer's disease continuum. Clinical and Experimental Neuroimmunology, 2023, 14, 82-91. | 0.5 | 1 |
| 1370 | The Alzheimer's Disease Mitochondrial Cascade Hypothesis: A Current Overview. Journal of Alzheimer's Disease, 2023, 92, 751-768. | 1.2 | 19 |
| 1371 | Specific Mutations near the Amyloid Precursor Protein Cleavage Site Increase \hat{l}^3 -Secretase Sensitivity and Modulate Amyloid- \hat{l}^2 Production. International Journal of Molecular Sciences, 2023, 24, 3970. | 1.8 | 6 |
| 1373 | How Single Site Mutations Can Help Understanding Structure Formation of Amyloid $\langle i \rangle \hat{l}^2 \langle i \rangle \langle sub \rangle \hat{l}^2 \langle sub \rangle \hat{l}^2 \langle sub \rangle$. Macromolecular Bioscience, 2023, 23, . | 2.1 | 3 |
| 1374 | The complex genetic architecture of Alzheimer's disease: novel insights and future directions. EBioMedicine, 2023, 90, 104511. | 2.7 | 41 |
| 1376 | New Pathways Identify Novel Drug Targets for the Prevention and Treatment of Alzheimer's Disease. International Journal of Molecular Sciences, 2023, 24, 5383. | 1.8 | 7 |
| 1377 | The \hat{l} -secretase-derived APP fragment \hat{l} -CTF is localized in Golgi, endosomes and extracellular vesicles and contributes to $A\hat{l}^2$ production. Cellular and Molecular Life Sciences, 2023, 80, . | 2.4 | 4 |
| 1378 | Identification and characterization of bioactive peptides from marine crustacean crabs: a possible drug candidate for Alzheimer's disease. Aquaculture International, 2023, 31, 2221-2234. | 1.1 | 2 |
| 1379 | Lowering levels of reelin in entorhinal cortex layer II-neurons results in lowered levels of intracellular amyloid- \hat{l}^2 . Brain Communications, 2023, 5, . | 1.5 | 3 |
| 1380 | E674Q (Shanghai APP mutant), a novel amyloid precursor protein mutation, in familial late-onset Alzheimer's disease. Genes and Diseases, 2024, 11, 1022-1034. | 1.5 | 1 |

| # | Article | IF | CITATIONS |
|------|---|------|-----------|
| 1381 | Accelerated long-term forgetting: A sensitive paradigm for detecting subtle cognitive impairment and evaluating BACE1 inhibitor efficacy in preclinical Alzheimer's disease., 0, 2, . | | 1 |
| 1387 | Towards a future where Alzheimer's disease pathology is stopped before the onset of dementia. Nature Aging, 2023, 3, 494-505. | 5.3 | 13 |
| 1395 | Amyloid β-based therapy for Alzheimer's disease: challenges, successes and future. Signal Transduction and Targeted Therapy, 2023, 8, . | 7.1 | 49 |
| 1401 | Detection and treatment of Alzheimer's disease in its preclinical stage. Nature Aging, 2023, 3, 520-531. | 5.3 | 12 |
| 1402 | Applications of fMRI to Neurodegenerative Disease. , 2023, , 819-860. | | 0 |
| 1405 | Is the Persistence of the Amyloid Cascade Hypothesis a Result of Constant Confirmation Bias?. , 2023, , 451-469. | | O |
| 1406 | Alzheimer's Research Gains Momentum and Spreads Out. , 2023, , 285-307. | | 0 |
| 1408 | Pathological Roles of INPP5D in Alzheimer's Disease. Advances in Experimental Medicine and Biology, 2023, , 289-301. | 0.8 | O |
| 1410 | Rhombomere 1 r1., 2023, , 391-436. | | 0 |
| 1411 | Neurogenetic motor disorders. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2023, , 183-250. | 1.0 | 0 |
| 1416 | Emerging diagnostics and therapeutics for Alzheimer disease. Nature Medicine, 2023, 29, 2187-2199. | 15.2 | 20 |