

Stop Alzheimer's before it starts

Nature

547, 153-155

DOI: 10.1038/547153a

Citation Report

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Anti-A $\beta$ single-chain variable fragment antibodies restore memory acquisition in a <i>Drosophila</i> model of Alzheimer's disease. <i>Scientific Reports</i> , 2017, 7, 11268.  | 3.3  | 13        |
| 2  | $\beta$ -Amyloid and the Pathomechanisms of Alzheimer's Disease: A Comprehensive View. <i>Molecules</i> , 2017, 22, 1692.   | 3.8  | 82        |
| 3  | BACE1 Function and Inhibition: Implications of Intervention in the Amyloid Pathway of Alzheimer's Disease Pathology. <i>Molecules</i> , 2017, 22, 1723.   | 3.8  | 89        |
| 4  | Effect of solvent selectivity on crystallization-driven fibril growth kinetics of diblock copolymers. <i>Polymer</i> , 2018, 138, 359-362.  | 3.8  | 23        |
| 5  | A solution NMR toolset to probe the molecular mechanisms of amyloid inhibitors. <i>Chemical Communications</i> , 2018, 54, 4644-4652.   | 4.1  | 33        |
| 6  | Next generation antibody drugs: pursuit of the 'high-hanging fruit'. <i>Nature Reviews Drug Discovery</i> , 2018, 17, 197-223.  | 46.4 | 595       |
| 7  | Precision pharmacology for Alzheimer's disease. <i>Pharmacological Research</i> , 2018, 130, 331-365.   | 7.1  | 79        |
| 8  | Human Neurospheroid Arrays for In Vitro Studies of Alzheimer's Disease. <i>Scientific Reports</i> , 2018, 8, 2450.  | 3.3  | 98        |
| 9  | A roadmap towards personalized immunology. <i>Npj Systems Biology and Applications</i> , 2018, 4, 9.  | 3.0  | 43        |
| 10 | Discovery of Selective, Substrate-Competitive, and Passive Membrane Permeable Glycogen Synthase Kinase-3 $\beta$ Inhibitors: Synthesis, Biological Evaluation, and Molecular Modeling of New <i>C</i> -Glycosylflavones. <i>ACS Chemical Neuroscience</i> , 2018, 9, 1166-1183.         | 3.5  | 32        |
| 11 | Interaction between Ester-Type Tea Catechins and Neutrophil Gelatinase-Associated Lipocalin: Inhibitory Mechanism. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 1147-1156.   | 5.2  | 23        |
| 12 | Amyloid-Beta Solubility in the Treatment of Alzheimer's Disease. <i>New England Journal of Medicine</i> , 2018, 378, 391-392.   | 27.0 | 39        |
| 13 | NMR-driven identification of anti-amyloidogenic compounds in green and roasted coffee extracts. <i>Food Chemistry</i> , 2018, 252, 171-180.   | 8.2  | 47        |
| 14 | The physics of polymer chain-folding. <i>Physics Reports</i> , 2018, 747, 1-50.   | 25.6 | 126       |
| 15 | A sensitive detection assay based on signal amplification technology for Alzheimer's disease's early biomarker in exosome. <i>Analytica Chimica Acta</i> , 2018, 1022, 124-130.   | 5.4  | 38        |
| 16 | Behavioral and psychological symptoms of dementia (BPSD) and impaired cognition reflect unsuccessful neuronal compensation in the pre-plaque stage and serve as early markers for Alzheimer's disease in the APP23 mouse model. <i>Behavioural Brain Research</i> , 2018, 347, 300-313. | 2.2  | 20        |
| 17 | Traced on the Timeline: Discovery of Acetylcholine and the Components of the Human Cholinergic System in a Primitive Unicellular Eukaryote <i>Acanthamoeba</i> spp.. <i>ACS Chemical Neuroscience</i> , 2018, 9, 494-504.   | 3.5  | 18        |
| 18 | Amyloid- $\beta$ and tau complexity " towards improved biomarkers and targeted therapies. <i>Nature Reviews Neurology</i> , 2018, 14, 22-39.  | 10.1 | 303       |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | Fluid biomarker agreement and interrelation in dementia due to Alzheimer's disease. <i>Journal of Neural Transmission</i> , 2018, 125, 193-201.   | 2.8  | 5         |
| 20 | Genetics of Parkinson's disease and related disorders. <i>Journal of Medical Genetics</i> , 2018, 55, 73-80.  | 3.2  | 55        |
| 21 | The Ethyl Acetate Extract of Leaves of <i>Ugni molinae</i> Turcz. Improves Neuropathological Hallmarks of Alzheimer's Disease in Female APPswe/PS1dE9 Mice Fed with a High Fat Diet. <i>Journal of Alzheimer's Disease</i> , 2018, 66, 1175-1191. | 2.6  | 10        |
| 22 | Gradual Disturbances of the Amplitude of Low-Frequency Fluctuations (ALFF) and Fractional ALFF in Alzheimer Spectrum. <i>Frontiers in Neuroscience</i> , 2018, 12, 975.   | 2.8  | 135       |
| 23 | Investigation of the neuroprotective effects of crocin via antioxidant activities in HT22 cells and in mice with Alzheimer's disease. <i>International Journal of Molecular Medicine</i> , 2019, 43, 956-966.                                     | 4.0  | 48        |
| 24 | Advances in Resting State Neuroimaging of Mild Cognitive Impairment. <i>Frontiers in Psychiatry</i> , 2018, 9, 671.   | 2.6  | 14        |
| 25 | The Early Events That Initiate $\beta$ -Amyloid Aggregation in Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 359.   | 3.4  | 85        |
| 26 | The cholinergic system in the pathophysiology and treatment of Alzheimer's disease. <i>Brain</i> , 2018, 141, 1917-1933.  | 7.6  | 1,008     |
| 27 | Disease-Associated Microglia: A Universal Immune Sensor of Neurodegeneration. <i>Cell</i> , 2018, 173, 1073-1081.   | 28.9 | 765       |
| 28 | Structure-activity relationships of $\beta$ -hairpin mimics as modulators of amyloid $\beta$ -peptide aggregation. <i>European Journal of Medicinal Chemistry</i> , 2018, 154, 280-293.   | 5.5  | 15        |
| 29 | Amyloid- $\beta$ /Drug Interactions from Computer Simulations and Cell-Based Assays. <i>Journal of Alzheimer's Disease</i> , 2018, 64, S659-S672.   | 2.6  | 5         |
| 30 | Impaired $\alpha$ 7nAChR signaling and cytoskeletal alterations induce early synaptic dysfunction in a mouse model of Alzheimer's disease. <i>Aging Cell</i> , 2018, 17, e12791.  | 6.7  | 58        |
| 31 | Triggering receptor expressed on myeloid cells 2 (TREM2): a potential therapeutic target for Alzheimer disease?. <i>Expert Opinion on Therapeutic Targets</i> , 2018, 22, 587-598.  | 3.4  | 27        |
| 32 | A simple approach to quantitative determination of soluble amyloid- $\beta$ peptides using a ratiometric fluorescence probe. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111518.  | 10.1 | 19        |
| 33 | Short amylin receptor antagonist peptides improve memory deficits in Alzheimer's disease mouse model. <i>Scientific Reports</i> , 2019, 9, 10942.   | 3.3  | 25        |
| 35 | Age-Linked Non-Transmissible Diseases. <i>Practical Issues in Geriatrics</i> , 2019, , 59-82.   | 0.8  | 0         |
| 36 | Alzheimer's disease: Key developments support promising perspectives for therapy. <i>Pharmacological Research</i> , 2019, 146, 104316.  | 7.1  | 17        |
| 37 | Investigational BACE inhibitors for the treatment of Alzheimer's disease. <i>Expert Opinion on Investigational Drugs</i> , 2019, 28, 967-975.   | 4.1  | 94        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 38 | Brain Structural Correlates of Odor Identification in Mild Cognitive Impairment and Alzheimer's Disease Revealed by Magnetic Resonance Imaging and a Chinese Olfactory Identification Test. <i>Frontiers in Neuroscience</i> , 2019, 13, 842.                    | 2.8 | 20        |
| 39 | A harmonized longitudinal biomarkers and cognition database for assessing the natural history of preclinical Alzheimer's disease from young adulthood and for designing prevention trials. <i>Alzheimer's and Dementia</i> , 2019, 15, 1448-1457.                | 0.8 | 7         |
| 40 | Protective roles of isoastilbin against Alzheimer's disease via Nrf2-mediated antioxidation and anti-apoptosis. <i>International Journal of Molecular Medicine</i> , 2019, 43, 1406-1416.  | 4.0 | 18        |
| 41 | Seeding and Cross-Seeding Aggregations of A $\beta_{40}$ and Its N-Terminal-Truncated Peptide A $\beta_{11-40}$ . <i>Langmuir</i> , 2019, 35, 2821-2831.   | 3.5 | 13        |
| 42 | The Potential Role of Dysregulated miRNAs in Alzheimer's Disease Pathogenesis and Progression. <i>Journal of Alzheimer's Disease</i> , 2019, 67, 1123-1145.  | 2.6 | 13        |
| 43 | Computational design and evaluation of $\beta$ -sheet breaker peptides for destabilizing Alzheimer's amyloid $\beta_{42}$ protofibrils. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 17935-17950.  | 2.6 | 16        |
| 44 | Plasma MicroRNAs Are Altered Early and Consistently in a Mouse Model of Tauopathy. <i>Neuroscience</i> , 2019, 411, 164-176.   | 2.3 | 4         |
| 46 | Age at onset in genetic prion disease and the design of preventive clinical trials. <i>Neurology</i> , 2019, 93, e125-e134.  | 1.1 | 73        |
| 47 | Overview of novel multifunctional agents based on conjugates of $\beta^3$ -carbolines, carbazoles, tetrahydrocarbazoles, phenothiazines, and aminoadamantanes for treatment of Alzheimer's disease. <i>Chemico-Biological Interactions</i> , 2019, 308, 224-234. | 4.0 | 36        |
| 48 | Centiloid cut-off values for optimal agreement between PET and CSF core AD biomarkers. <i>Alzheimer's Research and Therapy</i> , 2019, 11, 27.   | 6.2 | 82        |
| 49 | Why Amyloid Is Still a Target for Alzheimer Disease Clinical Trials. <i>Journal of the American Geriatrics Society</i> , 2019, 67, 845-847.  | 2.6 | 4         |
| 50 | Early-Stage Identification and Pathological Development of Alzheimer's Disease Using Multimodal MRI. <i>Journal of Alzheimer's Disease</i> , 2019, 68, 1013-1027.  | 2.6 | 41        |
| 51 | Design and sample size considerations for Alzheimer's disease prevention trials using multistate models. <i>Clinical Trials</i> , 2019, 16, 111-119.   | 1.6 | 15        |
| 52 | Prion protein quantification in human cerebrospinal fluid as a tool for prion disease drug development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 7793-7798.   | 7.1 | 41        |
| 53 | Impaired Spatial Reorientation in the 3xTg-AD Mouse Model of Alzheimer's Disease. <i>Scientific Reports</i> , 2019, 9, 1311.   | 3.3 | 24        |
| 54 | GABA-containing compound gammapyrone protects against brain impairments in Alzheimer's disease model male rats and prevents mitochondrial dysfunction in cell culture. <i>Journal of Neuroscience Research</i> , 2019, 97, 708-726.                              | 2.9 | 55        |
| 55 | Multi-angles of smoking and mild cognitive impairment: is the association mediated by sleep duration?. <i>Neurological Sciences</i> , 2019, 40, 1019-1027.   | 1.9 | 10        |
| 56 | Predictive Value of Routine Peripheral Blood Biomarkers in Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 332.  | 3.4 | 46        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 57 | Triple GLP-1/GIP/glucagon receptor agonists, a potential novel treatment strategy in Alzheimer's disease. Expert Opinion on Investigational Drugs, 2019, 28, 93-97.   | 4.1  | 5         |
| 58 | Microglia metabolism in health and disease. Neurochemistry International, 2019, 130, 104331.  | 3.8  | 56        |
| 59 | On the role of synthesized hydroxylated chalcones as dual functional amyloid- $\beta$ aggregation and ferroptosis inhibitors for potential treatment of Alzheimer's disease. European Journal of Medicinal Chemistry, 2019, 166, 11-21. | 5.5  | 74        |
| 60 | bioNMR-based identification of natural anti-A $\beta$ compounds in Peucedanum ostruthium. Bioorganic Chemistry, 2019, 83, 76-86.  | 4.1  | 26        |
| 61 | Reduced brain amyloid burden in elderly patients with narcolepsy type 1. Annals of Neurology, 2019, 85, 74-83.  | 5.3  | 18        |
| 62 | Evaluating the Benefits of the TimeSlips Creative Storytelling Program for Persons With Varying Degrees of Dementia Severity. American Journal of Alzheimer's Disease and Other Dementias, 2019, 34, 163-170.                           | 1.9  | 19        |
| 63 | Assessment of executive function declines in presymptomatic and mildly symptomatic familial frontotemporal dementia: NIH-EXAMINER as a potential clinical trial endpoint. Alzheimer's and Dementia, 2020, 16, 11-21.                    | 0.8  | 32        |
| 64 | Individualized atrophy scores predict dementia onset in familial frontotemporal lobar degeneration. Alzheimer's and Dementia, 2020, 16, 37-48.  | 0.8  | 38        |
| 65 | The rare and the common: scale and the genetic imaginary in Alzheimer's disease drug development. New Genetics and Society, 2020, 39, 101-126.  | 1.2  | 8         |
| 66 | Frequency-dependent changes in fractional amplitude of low-frequency oscillations in Alzheimer's disease: a resting-state fMRI study. Brain Imaging and Behavior, 2020, 14, 2187-2201.  | 2.1  | 52        |
| 67 | Real-time BODIPY Binding Assay To Screen Inhibitors of the Early Oligomerization Process of A $\beta$ 1-42 Peptide. ChemBioChem, 2020, 21, 1129-1135.   | 2.6  | 17        |
| 68 | Strengthened theta-burst transcranial magnetic stimulation as an adjunctive treatment for Alzheimer's disease: An open-label pilot study. Brain Stimulation, 2020, 13, 484-486.   | 1.6  | 20        |
| 69 | Epigallocatechin-3-Gallate (EGCG) Improves Cognitive Deficits Aggravated by an Obesogenic Diet Through Modulation of Unfolded Protein Response in APPswe/PS1dE9 Mice. Molecular Neurobiology, 2020, 57, 1814-1827.                      | 4.0  | 51        |
| 70 | Notopterygium incisum extract (NRE) rescues cognitive deficits in APP/PS1 Alzheimer's disease mice by attenuating amyloid-beta, tau, and neuroinflammation pathology. Journal of Ethnopharmacology, 2020, 249, 112433.                  | 4.1  | 19        |
| 71 | Dampened Slow Oscillation Connectivity Anticipates Amyloid Deposition in the PS2APP Mouse Model of Alzheimer's Disease. Cells, 2020, 9, 54.   | 4.1  | 17        |
| 72 | 14,15-Epoxyeicosatrienoic Acid Alleviates Pathology in a Mouse Model of Alzheimer's Disease. Journal of Neuroscience, 2020, 40, 8188-8203.  | 3.6  | 25        |
| 73 | Acute targeting of pre-amyloid seeds in transgenic mice reduces Alzheimer-like pathology later in life. Nature Neuroscience, 2020, 23, 1580-1588.   | 14.8 | 53        |
| 74 | Microglia: Agents of the CNS Pro-Inflammatory Response. Cells, 2020, 9, 1717.   | 4.1  | 174       |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 75 | Lower brain-derived neurotrophic factor levels are associated with age-related memory impairment in community-dwelling older adults: the Sefuri study. Scientific Reports, 2020, 10, 16442.  | 3.3  | 33        |
| 76 | The efficacy and safety of hachimijiogan for mild Alzheimer disease in an exploratory, open standard treatment controlled, randomized allocation, multicenter trial. Medicine (United States), 2020, 99, e22370.                                 | 1.0  | 3         |
| 77 | Impact of Mutations on the Conformational Transition from $\alpha$ -Helix to $\beta$ -Sheet Structures in Arctic-Type $A\beta_{40}$ : Insights from Molecular Dynamics Simulations. ACS Omega, 2020, 5, 23219-23228.                             | 3.5  | 6         |
| 78 | Potential human transmission of amyloid $\beta$ pathology: surveillance and risks. Lancet Neurology, The, 2020, 19, 872-878.   | 10.2 | 46        |
| 79 | Deciphering inhibitory activity of flavonoids against tau protein kinases: a coupled molecular docking and quantum chemical study. Journal of Biomolecular Structure and Dynamics, 2022, 40, 411-424.  | 3.5  | 12        |
| 80 | Pharmacological Strategies to Improve Dendritic Spines in Alzheimer's Disease. Journal of Alzheimer's Disease, 2021, 82, S91-S107.   | 2.6  | 13        |
| 81 | Astaxanthin Ameliorated Parvalbumin-Positive Neuron Deficits and Alzheimer's Disease-Related Pathological Progression in the Hippocampus of AppNL-G-F/NL-G-F Mice. Frontiers in Pharmacology, 2020, 11, 307.                                     | 3.5  | 27        |
| 82 | Dynamic network connectivity predicts subjective cognitive decline: the Sino-Longitudinal Cognitive impairment and dementia study. Brain Imaging and Behavior, 2020, 14, 2692-2707.  | 2.1  | 16        |
| 83 | The human brain NGF metabolic pathway is impaired in the pre-clinical and clinical continuum of Alzheimers disease. Molecular Psychiatry, 2021, 26, 6023-6037.   | 7.9  | 40        |
| 84 | <p>Effect of the Casein-Derived Peptide Met-Lys-Pro on Cognitive Function in Community-Dwelling Adults Without Dementia: A Randomized, Double-Blind, Placebo-Controlled Trial</p><p>. Clinical Interventions in Aging, 2020, Volume 15, 743-754. | 2.9  | 9         |
| 85 | Impaired Hippocampal-Cortical Interactions during Sleep in a Mouse Model of Alzheimer's Disease. Current Biology, 2020, 30, 2588-2601.e5.  | 3.9  | 32        |
| 86 | A Novel Compound YS-5-23 Exhibits Neuroprotective Effect by Reducing $\beta$ -Site Amyloid Precursor Protein Cleaving Enzyme 1's Expression and H2O2-Induced Cytotoxicity in SH-SY5Y Cells. Neurochemical Research, 2020, 45, 2113-2127.         | 3.3  | 2         |
| 87 | Towards a treatment for genetic prion disease: trials and biomarkers. Lancet Neurology, The, 2020, 19, 361-368.  | 10.2 | 60        |
| 88 | Rivastigmine modifies the $\alpha$ -secretase pathway and potentially early Alzheimer's disease. Translational Psychiatry, 2020, 10, 47.   | 4.8  | 44        |
| 89 | Effect of Piedmont mutation (L34V) on the structure, dynamics, and aggregation of Alzheimer's $A\beta_{40}$ peptide. Journal of Molecular Graphics and Modelling, 2020, 97, 107571.  | 2.4  | 8         |
| 90 | Is Sleep Disruption a Cause or Consequence of Alzheimer's Disease? Reviewing Its Possible Role as a Biomarker. International Journal of Molecular Sciences, 2020, 21, 1168.  | 4.1  | 39        |
| 91 | Circulating Exosomal miRNA as Diagnostic Biomarkers of Neurodegenerative Diseases. Frontiers in Molecular Neuroscience, 2020, 13, 53.  | 2.9  | 90        |
| 92 | Pharmaceutical applications of organofluorine compounds. , 2020, , 133-214.  |      | 0         |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 93  | Circulating MicroRNAs as Diagnostic Biomarkers for Motor Neuron Disease. <i>Frontiers in Neuroscience</i> , 2020, 14, 354.   | 2.8  | 8         |
| 94  | Biological sex and DNA repair deficiency drive Alzheimer's disease via systemic metabolic remodeling and brain mitochondrial dysfunction. <i>Acta Neuropathologica</i> , 2020, 140, 25-47.                           | 7.7  | 45        |
| 95  | Analysis of the Human Plasma Proteome Using Multi-Nanoparticle Protein Corona for Detection of Alzheimer's Disease. <i>Advanced Healthcare Materials</i> , 2021, 10, e2000948.                                       | 7.6  | 19        |
| 96  | Usnic acid enantiomers restore cognitive deficits and neurochemical alterations induced by A $\beta$ 42 in mice. <i>Behavioural Brain Research</i> , 2021, 397, 112945.  | 2.2  | 12        |
| 97  | NMR-based Lavado cocoa chemical characterization and comparison with fermented cocoa varieties: Insights on cocoa's anti-amyloidogenic activity. <i>Food Chemistry</i> , 2021, 341, 128249.                          | 8.2  | 15        |
| 98  | Nerve growth factor (NGF) pathway biomarkers in Down syndrome prior to and after the onset of clinical Alzheimer's disease: A paired CSF and plasma study. <i>Alzheimer's and Dementia</i> , 2021, 17, 605-617.      | 0.8  | 17        |
| 99  | The NGF Metabolic Pathway: New Opportunities for Biomarker Research and Drug Target Discovery. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1331, 31-48.   | 1.6  | 2         |
| 100 | Fluoxetine Promotes Hippocampal Oligodendrocyte Maturation and Delays Learning and Memory Decline in APP/PS1 Mice. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 627362.  | 3.4  | 13        |
| 102 | $\beta$ -sheet breakers with consecutive phenylalanines: Insights into mechanism of dissolution of $\beta$ -amyloid fibrils. <i>Proteins: Structure, Function and Bioinformatics</i> , 2021, 89, 762-780.            | 2.6  | 4         |
| 103 | Effect of memantine, an anti-Alzheimer's drug, on rodent microglial cells in vitro. <i>Scientific Reports</i> , 2021, 11, 6151.  | 3.3  | 5         |
| 104 | Early detection of amyloid load using 18F-florbetaben PET. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 67.   | 6.2  | 26        |
| 105 | Early intervention attenuates synaptic plasticity impairment and neuroinflammation in 5xFAD mice. <i>Journal of Psychiatric Research</i> , 2021, 136, 204-216.   | 3.1  | 18        |
| 106 | Alzheimer's Disease's Rationales for Potential Treatment with the Thrombin Inhibitor Dabigatran. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4805.  | 4.1  | 13        |
| 107 | An Effective Brain Imaging Biomarker for AD and aMCI: ALFF in Slow-5 Frequency Band. <i>Current Alzheimer Research</i> , 2021, 18, 45-55.  | 1.4  | 14        |
| 108 | Recent Progress in the Drug Development for the Treatment of Alzheimer's Disease Especially on Inhibition of Amyloid-peptide Aggregation. <i>Mini-Reviews in Medicinal Chemistry</i> , 2021, 21, 969-990.            | 2.4  | 6         |
| 109 | Tau Pathology Profile Across a Parietal-Hippocampal Brain Network Is Associated With Spatial Reorientation Learning and Memory Performance in the 3xTg-AD Mouse. <i>Frontiers in Aging</i> , 2021, 2, .              | 2.6  | 5         |
| 110 | A trial of gantenerumab or solanezumab in dominantly inherited Alzheimer's disease. <i>Nature Medicine</i> , 2021, 27, 1187-1196.  | 30.7 | 182       |
| 111 | Design, synthesis, and biological evaluation of diosgenin-indole derivatives as dual-functional agents for the treatment of Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2021, 219, 113426. | 5.5  | 20        |



| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 112 | Methodological Issues in Randomized Clinical Trials for Prodromal Alzheimer's and Parkinson's Disease. <i>Frontiers in Neurology</i> , 2021, 12, 694329.  | 2.4  | 8         |
| 113 | Connectome-based model predicts episodic memory performance in individuals with subjective cognitive decline and amnesic mild cognitive impairment. <i>Behavioural Brain Research</i> , 2021, 411, 113387.                            | 2.2  | 9         |
| 114 | An early proinflammatory transcriptional response to tau pathology is age-specific and foreshadows reduced tau burden. <i>Brain Pathology</i> , 2022, 32, e13018.   | 4.1  | 7         |
| 115 | Improved modeling of human AD with an automated culturing platform for iPSC neurons, astrocytes and microglia. <i>Nature Communications</i> , 2021, 12, 5220.   | 12.8 | 38        |
| 116 | 1H-1,2,3-triazole grafted tacrine-chalcone conjugates as potential cholinesterase inhibitors with the evaluation of their behavioral tests and oxidative stress in mice brain cells. <i>Bioorganic Chemistry</i> , 2021, 114, 105053. | 4.1  | 16        |
| 117 | Complex interactions underlie racial disparity in the risk of developing Alzheimer's disease dementia. <i>Alzheimer's and Dementia</i> , 2020, 16, 589-597.   | 0.8  | 25        |
| 118 | A Perspective on Multi-target Drugs for Alzheimer's Disease. <i>Trends in Pharmacological Sciences</i> , 2020, 41, 434-445.   | 8.7  | 148       |
| 120 | Current Trends in the Development of Drugs for the Treatment of Alzheimer's Disease and their Clinical Trials. <i>Biomedical Chemistry Research and Methods</i> , 2018, 1, e00015.  | 0.4  | 7         |
| 121 | Potential Use of Nanomedicine for the Anti-inflammatory Treatment of Neurodegenerative Diseases. <i>Current Pharmaceutical Design</i> , 2018, 24, 1589-1616.  | 1.9  | 21        |
| 122 | A Chronological Review of Potential Disease-Modifying Therapeutic Strategies for Alzheimer's Disease. <i>Current Pharmaceutical Design</i> , 2020, 26, 1286-1299.   | 1.9  | 12        |
| 123 | Blood-based systems biology biomarkers for next-generation clinical trials in Alzheimer's disease. <i>Dialogues in Clinical Neuroscience</i> , 2019, 21, 177-191.   | 3.7  | 17        |
| 124 | Potential preventive disease-modifying pharmacological strategies to delay late onset Alzheimer's disease. <i>Neural Regeneration Research</i> , 2019, 14, 1721.  | 3.0  | 2         |
| 125 | Enhanced Expression of microRNA-1273g-3p Contributes to Alzheimer's Disease Pathogenesis by Regulating the Expression of Mitochondrial Genes. <i>Cells</i> , 2021, 10, 2697.  | 4.1  | 10        |
| 128 | Functional characterization of multifunctional ligands targeting acetylcholinesterase and alpha 7 nicotinic acetylcholine receptor. <i>Biochemical Pharmacology</i> , 2020, 177, 114010.  | 4.4  | 6         |
| 129 | Application for Decision-Making on Mild Cognitive Impairments. <i>Engineering Proceedings</i> , 2021, 7, 55.  | 0.4  | 0         |
| 130 | Cerebrospinal fluid and blood biomarkers in the diagnostic assays of Alzheimer's disease. <i>Journal of Innovative Optical Health Sciences</i> , 2022, 15, .  | 1.0  | 9         |
| 131 | Promising molecular targets for pharmacological therapy of neurodegenerative pathologies. <i>Acta Naturae</i> , 2020, 12, 60-80.  | 1.7  | 3         |
| 132 | Accelerated intermittent theta-burst stimulation broadly ameliorates symptoms and cognition in Alzheimer's disease: A randomized controlled trial. <i>Brain Stimulation</i> , 2022, 15, 35-45.  | 1.6  | 28        |



| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 133 | Quantitative assessment of AD markers using naked eyes: point-of-care testing with paper-based lateral flow immunoassay. <i>Journal of Nanobiotechnology</i> , 2021, 19, 366.  | 9.1  | 14        |
| 134 | Essential Oils from Spices Inhibit Cholinesterase Activity and Improve Behavioral Disorder in Aβ <sub>1-42</sub> Induced Dementia. <i>Chemistry and Biodiversity</i> , 2021, , e2100443.   | 2.1  | 10        |
| 135 | Cerebral Phospho-Tau Acts Synergistically with Soluble Aβ <sub>1-42</sub> Leading to Mild Cognitive Impairment in AAV-AD Rats. <i>Journal of prevention of Alzheimer's disease</i> , The, 0, , 1.  | 2.7  | 4         |
| 136 | Animal models in the study of Alzheimer's disease and Parkinson's disease: A historical perspective. <i>Animal Models and Experimental Medicine</i> , 2022, 5, 27-37.  | 3.3  | 10        |
| 137 | Abnormal characterization of dynamic functional connectivity in Alzheimer's disease. <i>Neural Regeneration Research</i> , 2022, 17, 2014.   | 3.0  | 29        |
| 138 | Testing the amyloid cascade hypothesis: Prevention trials in autosomal dominant Alzheimer disease. <i>Alzheimer's and Dementia</i> , 2022, 18, 2687-2698.  | 0.8  | 13        |
| 139 | Conjugates of Tacrine with Salicylamide as Promising Multitarget Agents for Alzheimer's Disease. <i>ChemMedChem</i> , 2022, 17, e202200080.  | 3.2  | 11        |
| 140 | Progress and Development of Carbazole Scaffold Based as Potential Anti- Alzheimer Agents Using MTDL Approach. <i>Letters in Drug Design and Discovery</i> , 2022, 19, 1049-1067.   | 0.7  | 3         |
| 141 | Targeting brain Renin-Angiotensin System for the prevention and treatment of Alzheimer's disease: Past, present and future. <i>Ageing Research Reviews</i> , 2022, 77, 101612.   | 10.9 | 26        |
| 142 | The Nerve Growth Factor Metabolic Pathway Dysregulation as Cause of Alzheimer's Cholinergic Atrophy. <i>Cells</i> , 2022, 11, 16.  | 4.1  | 17        |
| 144 | Disease-Modifying Therapies for Alzheimer's Disease: More Questions than Answers. <i>Neurotherapeutics</i> , 2022, 19, 209-227.  | 4.4  | 36        |
| 145 | The potential of polygenic scores to improve cost and efficiency of clinical trials. <i>Nature Communications</i> , 2022, 13, .  | 12.8 | 19        |
| 146 | Synthesis and preliminary biological evaluation of new phthalazinone derivatives with PARP-1 and cholinesterase inhibitory activities. <i>Letters in Drug Design and Discovery</i> , 2022, 19, .   | 0.7  | 0         |
| 148 | DYRK1A Inhibitors and Perspectives for the Treatment of Alzheimer's Disease. <i>Current Medicinal Chemistry</i> , 2023, 30, 669-688.   | 2.4  | 8         |
| 149 | NMR-Driven Identification of Cinnamon Bud and Bark Components With Anti-Aβ <sub>1-42</sub> Activity. <i>Frontiers in Chemistry</i> , 0, 10, .  | 3.6  | 6         |
| 150 | Textural features reflecting local activity of the hippocampus improve the diagnosis of Alzheimer's disease and amnesic mild cognitive impairment: A radiomics study based on functional magnetic resonance imaging. <i>Frontiers in Neuroscience</i> , 0, 16, . | 2.8  | 6         |
| 151 | Sleep duration and biomarkers of inflammation in African American and white participants with a parental history of Alzheimer's disease. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2022, 8, .                         | 3.7  | 4         |
| 152 | Dissecting the Inhibitory Mechanism of the IAPP-Crystallin Domain against Aβ <sub>1-42</sub> Aggregation and Its Effect on Aβ <sub>1-42</sub> Protofibrils: A Molecular Dynamics Simulation Study. <i>ACS Chemical Neuroscience</i> , 2022, 13, 2842-2851.       | 3.5  | 3         |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 153 | Anticholinesterase Compounds from Endemic <i>Prangos uechtritzii</i> . Chemistry and Biodiversity, 2022, 19, .   | 2.1  | 2         |
| 154 | Photobiomodulation and visual stimulation against cognitive decline and Alzheimer's disease pathology: A systematic review. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2022, 8, .  | 3.7  | 5         |
| 155 | Disease stages and therapeutic hypotheses in two decades of neurodegenerative disease clinical trials. Scientific Reports, 2022, 12, .   | 3.3  | 11        |
| 156 | Association of lower liver function with cognitive impairment in the Shenzhen ageing-related disorder cohort in China. Frontiers in Aging Neuroscience, 0, 14, .   | 3.4  | 2         |
| 157 | An exploratory, open-label, randomized, multicenter trial of hachimijiogan for mild Alzheimer's disease. Frontiers in Pharmacology, 0, 13, .   | 3.5  | 1         |
| 158 | Identification of a Hydroxygallic Acid Derivative, Zingibroside R1 and a Sterol Lipid as Potential Active Ingredients of Cuscuta chinensis Extract That Has Neuroprotective and Antioxidant Effects in Aged Caenorhabditis elegans. Nutrients, 2022, 14, 4199. | 4.1  | 4         |
| 159 | Alzheimer's Disease Prevention through Natural Compounds: Cell-Free, In Vitro, and In Vivo Dissection of Hop ( <i>Humulus lupulus</i> L.) Multitarget Activity. ACS Chemical Neuroscience, 2022, 13, 3152-3167.  | 3.5  | 4         |
| 160 | Unravelling the relationship between amyloid accumulation and brain network function in normal aging and very mild cognitive decline: a longitudinal analysis. Brain Communications, 2022, 4, .  | 3.3  | 3         |
| 161 | HSI-LFS-BERT: Novel Hybrid Swarm Intelligence Based Linguistics Feature Selection and Computational Intelligent Model for Alzheimer's Prediction Using Audio Transcript. IEEE Access, 2022, 10, 126990-127004.   | 4.2  | 4         |
| 162 | Experimental evidence for temporal uncoupling of brain A $\beta$ deposition and neurodegenerative sequelae. Nature Communications, 2022, 13, .   | 12.8 | 6         |
| 163 | Microglial activation protects against accumulation of tau aggregates in nondemented individuals with underlying Alzheimer's disease pathology. Nature Aging, 2022, 2, 1138-1144.  | 11.6 | 19        |
| 164 | Lateral flow assays for detection of disease biomarkers. Journal of Pharmaceutical and Biomedical Analysis, 2023, 225, 115206.   | 2.8  | 9         |
| 165 | Current Pharmacotherapy and Multi-Target Approaches for Alzheimer's Disease. Pharmaceuticals, 2022, 15, 1560.  | 3.8  | 18        |
| 166 | Methods for the isolation and analysis of A $\beta$ from postmortem brain. Frontiers in Neuroscience, 0, 17, .   | 2.8  | 0         |
| 167 | Animal models in Alzheimer's disease: Biological plausibility and mood disorders. Neurology Perspectives, 2023, 3, 100110.   | 0.5  | 1         |
| 168 | Conjugates of Tacrine and Salicylic Acid Derivatives as New Promising Multitarget Agents for Alzheimer's Disease. International Journal of Molecular Sciences, 2023, 24, 2285.   | 4.1  | 7         |
| 169 | Multifactorial glial responses and their contributions to Alzheimer's disease continuum. Clinical and Experimental Neuroimmunology, 2023, 14, 82-91.   | 1.0  | 1         |
| 170 | Ultrasensitive and point-of-care detection of plasma phosphorylated tau in Alzheimer's disease using colorimetric and surface-enhanced Raman scattering dual-readout lateral flow assay. Nano Research, 2023, 16, 7459-7469.                                   | 10.4 | 9         |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 171 | Effect of Ovocystatin on Amyloid $A\beta$ 1-42 Aggregation in In Vitro Studies. International Journal of Molecular Sciences, 2023, 24, 5433.   | 4.1  | 2         |
| 173 | Volume changes of hippocampal and amygdala subfields in patients with mild cognitive impairment and Alzheimer's disease. Acta Neurologica Belgica, 2023, 123, 1381-1393.   | 1.1  | 3         |
| 174 | Correlation between ankle-brachial index and subtle cognitive decline. Brain and Behavior, 2023, 13, .   | 2.2  | 0         |
| 175 | Salivary 3-methoxy-4-hydroxyphenylglycol and $\alpha$ -MRI-based volume change of the precuneus in community-dwelling elderly people. Psychogeriatrics, 0, , .   | 1.2  | 0         |
| 176 | Direct Enhancement Effect of Hippocampal Cholinergic Neurostimulating Peptide on Cholinergic Activity in the Hippocampus. International Journal of Molecular Sciences, 2023, 24, 8916.   | 4.1  | 0         |
| 177 | An activatable small-molecule fluorogenic probe for detection and quantification of beta-amyloid aggregates. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2023, 303, 123145.                             | 3.9  | 0         |
| 178 | Increased microglia activation in late non-central nervous system cancer survivors links to chronic systemic symptomatology. Human Brain Mapping, 0, , .   | 3.6  | 0         |
| 179 | A holo-spectral EEG analysis provides an early detection of cognitive decline and predicts the progression to Alzheimer's disease. Frontiers in Aging Neuroscience, 0, 15, .   | 3.4  | 1         |
| 180 | Effectiveness of Tai Chi on cognitive function among older adults with mild cognitive impairment: a systematic review and meta-analysis of randomized controlled trials. Aging and Mental Health, 2024, 28, 285-293.               | 2.8  | 0         |
| 182 | Alzheimer's disease: From immunotherapy to immunoprevention. Cell, 2023, 186, 4260-4270.   | 28.9 | 17        |
| 183 | Molecular insights into the structure destabilization effects of ECG and EC on the $A\beta$ protofilament: An all-atom molecular dynamics simulation study. International Journal of Biological Macromolecules, 2023, 253, 127002. | 7.5  | 0         |
| 184 | [ $^{18}F$ ]-FDG uptake in brain slices prepared from an aged mouse model of Alzheimer's disease using a dynamic autoradiography technique. Annals of Nuclear Medicine, 2024, 38, 120-130.   | 2.2  | 0         |
| 187 | Natural molecules in neuroprotection and neurotoxicity in neurodegenerative diseases. , 2024, , 3-28.  |      | 0         |
| 188 | Conjugates of tacrine with aminomethylidene derivatives of ethyl acetoacetate as promising agents for the treatment of Alzheimer's disease. Russian Chemical Bulletin, 2023, 72, 2994-3004.  | 1.5  | 0         |
| 189 | TrkB phosphorylation in serum extracellular vesicles correlates with cognitive function enhanced by ergothioneine in humans. Npj Science of Food, 2024, 8, .   | 5.5  | 1         |