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## The Amyloid- $\beta$ Oligomer Hypothesis: Beginning of the Third Decade

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#	Paper	IF	Citations
474	Resveratrol Sustains Insulin-Degrading Enzyme Activity toward A $\beta$ 2. <b>2018</b> , 3, 13275-13282		7
473	New Insights into the Spontaneous Human Alzheimer's Disease-Like Model Octodon degus: Unraveling Amyloid- $\beta$ Peptide Aggregation and Age-Related Amyloid Pathology. <i>Journal of Alzheimer's Disease</i> , <b>2018</b> , 66, 1145-1163	4.3	11
472	Enzyme kinetics from circular dichroism of insulin reveals mechanistic insights into the regulation of insulin-degrading enzyme. <b>2018</b> , 38,		4
471	Changes in Serine Racemase-Dependent Modulation of NMDA Receptor: Impact on Physiological and Pathological Brain Aging. <b>2018</b> , 5, 106		11
470	TREM2 in Alzheimer's Disease: Microglial Survival and Energy Metabolism. <b>2018</b> , 10, 395		41
469	Tau Protein Squired by Molecular Chaperones During Alzheimer's Disease. <b>2018</b> , 66, 356-368		31
468	Light at the End of the Amyloid Tunnel. <b>2018</b> , 57, 5921-5922		11
467	A $\beta$ and the dementia syndrome: Simple versus complex perspectives. <b>2018</b> , 48, e13025		8
466	A Free Radical-Generating System Regulates Amyloid Oligomers: Involvement of Cathepsin B. <i>Journal of Alzheimer's Disease</i> , <b>2018</b> , 66, 1397-1408	4.3	7
465	Questions concerning the role of amyloid- $\beta$ in the definition, aetiology and diagnosis of Alzheimer's disease. <b>2018</b> , 136, 663-689		101
464	Shear-Induced Amyloid Formation in the Brain: IV. Effects on Synapses Surrounding Senile Plaque and in Plaque-Free Regions. <i>Journal of Alzheimer's Disease</i> , <b>2018</b> , 66, 57-73	4.3	4
463	The Longest Amyloid- $\beta$ Precursor Protein Intracellular Domain Produced with A $\beta$ 2 Forms $\beta$ -Sheet-Containing Monomers That Self-Assemble and Are Proteolyzed by Insulin-Degrading Enzyme. <b>2018</b> , 9, 2892-2897		2
462	Imaging sigma receptors in the brain: New opportunities for diagnosis of Alzheimer's disease and therapeutic development. <b>2019</b> , 691, 3-10		18
461	Early compensatory responses against neuronal injury: A new therapeutic window of opportunity for Alzheimer's Disease?. <b>2019</b> , 25, 5-13		22
460	A Clinical Trial of Transcranial Electromagnetic Treatment in Alzheimer's Disease: Cognitive Enhancement and Associated Changes in Cerebrospinal Fluid, Blood, and Brain Imaging. <i>Journal of Alzheimer's Disease</i> , <b>2019</b> , 71, 57-82	4.3	11
459	A $\beta$ -induced acceleration of Alzheimer-related $\beta$ pathology spreading and its association with prion protein. <b>2019</b> , 138, 913-941		48
458	A $\beta$ 2 fibril formation from predominantly oligomeric samples suggests a link between oligomer heterogeneity and fibril polymorphism. <b>2019</b> , 6, 190179		8

457	Protein Misfolding, Signaling Abnormalities and Altered Fast Axonal Transport: Implications for Alzheimer and Prion Diseases. <b>2019</b> , 13, 350		6
456	Decreased stimulus-driven connectivity of the primary visual cortex during visual motion stimulation in amnesic mild cognitive impairment: An fMRI study. <b>2019</b> , 711, 134402		0
455	The Era of Neurodegenerative Metastasis. <b>2019</b> , 10, 3346-3348		5
454	Alzheimer Disease Pathogenesis: Insights From Molecular and Cellular Biology Studies of Oligomeric A $\beta$ and Tau Species. <b>2019</b> , 13, 659		122
453	Lipid Membranes Influence the Ability of Small Molecules To Inhibit Huntingtin Fibrillization. <b>2019</b> , 58, 4361-4373		13
452	Amyloid- $\beta$ Dependent Inactivation of the Mitochondrial Electron Transport Chain at Low Transmembrane Potential: An Ameliorating Process in Hypoxia-Associated Neurodegenerative Disease?. <i>Journal of Alzheimer's Disease</i> , <b>2019</b> , 72, 663-675	4.3	2
451	Molecular Mechanism and Kinetics of Amyloid- $\beta$ Aggregate Formation: A Simulation Study. <b>2019</b> , 10, 4643-4658		5
450	Improving the Vertical Thermal Conductivity of Carbon Fiber-Reinforced Epoxy Composites by Forming Layer-by-Layer Contact of Inorganic Crystals. <b>2019</b> , 12,		8
449	Computational Study on Structure and Aggregation Pathway of A $\beta$ Amyloid Protofibril. <b>2019</b> , 123, 7859-7868		2
448	Risk of Dementia in Patients with Leptospirosis: A Nationwide Cohort Analysis. <b>2019</b> , 16,		2
447	Shear-induced amyloid formation of IDPs in the brain. <b>2019</b> , 166, 225-309		7
446	Fibrillar and Nonfibrillar Amyloid Beta Structures Drive Two Modes of Membrane-Mediated Toxicity. <b>2019</b> , 35, 16024-16036		15
445	Emerging Alternative Proteinases in APP Metabolism and Alzheimer's Disease Pathogenesis: A Focus on MT1-MMP and MT5-MMP. <b>2019</b> , 11, 244		25
444	Derivatives of Piperazines as Potential Therapeutic Agents for Alzheimer's Disease. <b>2019</b> , 95, 337-348		15
443	The epididymal amyloid matrix: structure and putative functions. <b>2019</b> , 7, 603-609		11
442	Inhibition of the Self-Assembly of A $\beta$ and of Tau by Polyphenols: Mechanistic Studies. <b>2019</b> , 24,		28
441	Brains of rhesus monkeys display A $\beta$ deposits and glial pathology while lacking A $\beta$ dimers and other Alzheimer's pathologies. <b>2019</b> , 18, e12978		10
440	A $\beta$ oligomers promote oligodendrocyte differentiation and maturation via integrin $\beta$ and Fyn kinase signaling. <b>2019</b> , 10, 445		26

439	The role of APOE in transgenic mouse models of AD. <b>2019</b> , 707, 134285	14
438	Target engagement in an alzheimer trial: Crenezumab lowers amyloid $\beta$ oligomers in cerebrospinal fluid. <b>2019</b> , 86, 215-224	41
437	Force clamp approach for characterization of nano-assembly in amyloid beta 42 dimer. <b>2019</b> , 11, 12259-12265	8
436	Hydrogen Peroxide Modifies A $\beta$ Membrane Interactions with Implications for A $\beta$ Aggregation. <b>2019</b> , 58, 2893-2905	10
435	$\beta$ Synuclein in the pathophysiology of Alzheimer's disease. <b>2019</b> , 14, 23	87
434	Exploring the Pathogenesis of Alzheimer Disease in Basal Forebrain Cholinergic Neurons: Converging Insights From Alternative Hypotheses. <b>2019</b> , 13, 446	68
433	Activation of peroxisome proliferator-activated receptor delta suppresses BACE1 expression by up-regulating SOCS1 in a JAK2/STAT1-dependent manner. <b>2019</b> , 151, 370-385	6
432	A metabolic perspective of late onset Alzheimer's disease. <b>2019</b> , 145, 104255	12
431	Poor Oral Health and Its Neurological Consequences: Mechanisms of Porphyromonas gingivalis Involvement in Cognitive Dysfunction. <b>2019</b> , 6, 120-129	6
430	Association of Cortical $\beta$ Amyloid Protein in the Absence of Insoluble Deposits With Alzheimer Disease. <b>2019</b> , 76, 818-826	17
429	Can magnesium reduce central neurodegeneration in Alzheimer's disease? Basic evidences and research needs. <b>2019</b> , 126, 195-202	10
428	Protein Solubility Predictions Using the CamSol Method in the Study of Protein Homeostasis. <b>2019</b> , 11,	22
427	Understanding the Amyloid Hypothesis in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , <b>2019</b> , 68, 493-510	4-3 33
426	Simulation Studies of Amyloidogenic Polypeptides and Their Aggregates. <b>2019</b> , 119, 6956-6993	74
425	The Effects of Mobile Phone Radiofrequency Electromagnetic Fields on $\beta$ Amyloid-Induced Oxidative Stress in Human and Rat Primary Astrocytes. <b>2019</b> , 408, 46-57	13
424	Intrinsic origin of amyloid aggregation: Behavior of histidine ( $\beta$ ) and ( $\gamma$ ) tautomer homodimers of A $\beta$ (1-40). <b>2019</b> , 1863, 795-801	18
423	The amyloid cascade and Alzheimer's disease therapeutics: theory versus observation. <b>2019</b> , 99, 958-970	50
422	Systemic Immune Dyshomeostasis Model and Pathways in Alzheimer's Disease. <b>2019</b> , 11, 290	9

421	Amyloid Beta Oligomers Target to Extracellular and Intracellular Neuronal Synaptic Proteins in Alzheimer's Disease. <b>2019</b> , 10, 1140	23
420	The Beta Amyloid Dysfunction (BAD) Hypothesis for Alzheimer's Disease. <b>2019</b> , 13, 1154	42
419	Exploring the Role of P2X Receptors in Alzheimer's Disease. <b>2019</b> , 10, 1330	13
418	Discovery of Selective Butyrylcholinesterase (BChE) Inhibitors through a Combination of Computational Studies and Biological Evaluations. <b>2019</b> , 24,	5
417	Zinc-mediated Neurotransmission in Alzheimer's Disease: A Potential Role of the GPR39 in Dementia. <b>2020</b> , 18, 2-13	9
416	A novel crosslinking protocol stabilizes amyloid $\beta$ oligomers capable of inducing Alzheimer's-associated pathologies. <b>2019</b> , 148, 822-836	11
415	Analysis of the interaction of para-sulfonatocalix[8]arene with free amino acids and a six residue segment of $\beta$ amyloid peptide as a potential treatment for Alzheimer's disease. <b>2019</b> , 93, 265-273	3
414	Novel antibody against oligomeric amyloid- $\beta$ Insight into factors for effectively reducing the aggregation and cytotoxicity of amyloid- $\beta$ aggregates. <b>2019</b> , 67, 176-185	6
413	Galectin-3 promotes A $\beta$ oligomerization and A $\beta$ toxicity in a mouse model of Alzheimer's disease. <b>2020</b> , 27, 192-209	31
412	Assessment of evidence for or against contributions of Chlamydia pneumoniae infections to Alzheimer's disease etiology. <b>2020</b> , 83, 22-32	10
411	Apolipoprotein E impairs amyloid- $\beta$ fibril elongation and maturation. <b>2020</b> , 287, 1208-1219	4
410	Passive Immunotherapies Targeting Amyloid Beta and Tau Oligomers in Alzheimer's Disease. <b>2020</b> , 109, 68-73	15
409	Detection of amyloid beta peptides in body fluids for the diagnosis of alzheimer's disease: Where do we stand?. <b>2020</b> , 57, 99-113	13
408	Study on the structure and membrane disruption of the peptide oligomers constructed by hIAPP peptide and its d,l-alternating isomer. <b>2020</b> , 1862, 183108	5
407	Flavonoid-Derived Human Phenyl- $\beta$ -Valerolactone Metabolites Selectively Detoxify Amyloid- $\beta$ Oligomers and Prevent Memory Impairment in a Mouse Model of Alzheimer's Disease. <b>2020</b> , 64, e1900890	16
406	Extensive Structure Modification on Luteolin-Cinnamic Acid Conjugates Leading to BACE1 Inhibitors with Optimal Pharmacological Properties. <b>2019</b> , 25,	3
405	Impact of the chemical structure on the distribution of neuroprotective N-alkyl-9H-carbazoles at octanol/water interfaces. <b>2020</b> , 44, 1211-1220	1
404	Phosphorylation Signaling in APP Processing in Alzheimer's Disease. <b>2019</b> , 21,	22

403	Acetylation of A $\beta$ Alters Aggregation in the Presence and Absence of Lipid Membranes. <b>2020</b> , 11, 146-161	7
402	NMR-based site-resolved profiling of $\beta$ amyloid misfolding reveals structural transitions from pathologically relevant spherical oligomer to fibril. <b>2020</b> , 295, 458-467	12
401	Age-Related Intraneuronal Aggregation of Amyloid- $\beta$ in Endosomes, Mitochondria, Autophagosomes, and Lysosomes. <i>Journal of Alzheimer's Disease</i> , <b>2020</b> , 73, 229-246	4-3 10
400	Early-Occurring Dendritic Spines Alterations in Mouse Models of Alzheimer's Disease Inform on Primary Causes of Neurodegeneration. <b>2020</b> , 12, 566615	2
399	Synthesis and neuroprotective effects of novel chalcone-triazole hybrids. <b>2020</b> , 105, 104384	9
398	Endocytosis Is a Key Mode of Interaction between Extracellular $\beta$ Amyloid and the Cell Membrane. <b>2020</b> , 119, 1078-1090	3
397	Alzheimer's disease: Recent treatment strategies. <b>2020</b> , 887, 173554	95
396	A $\beta$ oligomer induced cognitive impairment and evaluation of ACU193-MNS-based MRI in rabbit. <b>2020</b> , 6, e12087	2
395	Calmodulin Binding Proteins and Alzheimer's Disease: Biomarkers, Regulatory Enzymes and Receptors That Are Regulated by Calmodulin. <b>2020</b> , 21,	15
394	Multifunctional Superparamagnetic Iron Oxide Nanoparticles Conjugated with A $\beta$ Oligomer-Specific scFv Antibody and Class A Scavenger Receptor Activator Show Early Diagnostic Potentials for Alzheimer's Disease. <b>2020</b> , 15, 4919-4932	15
393	Medin Oligomer Membrane Pore Formation: A Potential Mechanism of Vascular Dysfunction. <b>2020</b> , 118, 2769-2782	5
392	Hierarchical and ultra-sensitive amyloid beta oligomer sensor for practical applications. <b>2020</b> , 401, 126055	9
391	Membrane active Janus-oligomers of $\beta$ peptides. <b>2020</b> , 11, 6868-6881	
390	Passive immunotherapies targeting A $\beta$ and tau in Alzheimer's disease. <b>2020</b> , 144, 105010	27
389	Longitudinal profiling of oligomeric A $\beta$ in human nasal discharge reflecting cognitive decline in probable Alzheimer's disease. <b>2020</b> , 10, 11234	6
388	Molecular simulations of amyloid beta assemblies. <b>2020</b> , 5, 1770627	5
387	Phosphodiesterase Inhibitors for Alzheimer's Disease: A Systematic Review of Clinical Trials and Epidemiology with a Mechanistic Rationale. <b>2020</b> , 4, 185-215	25
386	Melatonin regulates A $\beta$ production/clearance balance and A $\beta$ neurotoxicity: A potential therapeutic molecule for Alzheimer's disease. <b>2020</b> , 132, 110887	25

385	Research Progress of Alzheimer's Disease Therapeutic Drugs: Based on Renin-Angiotensin System Axis. <i>Journal of Alzheimer's Disease</i> , <b>2020</b> , 78, 1315-1338	4-3
384	Anti-A $\beta$ antibodies bound to neuritic plaques enhance microglia activity and mitigate tau pathology. <b>2020</b> , 8, 198	2
383	Phenylalanine Mutation to Cyclohexylalanine Facilitates Triangular Trimer Formation by $\beta$ -Hairpins Derived from A $\beta$ <b>2020</b> , 142, 20708-20716	3
382	Design of a multivalent bifunctional chelator for diagnostic Cu PET imaging in Alzheimer's disease. <b>2020</b> , 117, 30928-30933	8
381	Multi-Target Effects of the Cannabinoid CP55940 on Familial Alzheimer's Disease PSEN1 E280A Cholinergic-Like Neurons: Role of CB1 Receptor. <i>Journal of Alzheimer's Disease</i> , <b>2021</b> , 82, S359-S378	4-3 4
380	Antibody Fragments as Tools for Elucidating Structure-Toxicity Relationships and for Diagnostic/Therapeutic Targeting of Neurotoxic Amyloid Oligomers. <b>2020</b> , 21,	3
379	Secondary Chemical Bonding between Insoluble Calcium Oxalate and Carbonyl Oxygen Atoms of GLY and VAL Residues Triggers the Formation of A $\beta$ Aggregates and Their Deposition in the Brain. <b>2020</b> , 11, 4007-4011	3
378	An $\beta$ -helix mimetic oligopyridylamide, ADH-31, modulates A $\beta$ monomer aggregation and destabilizes protofibril structures: insights from molecular dynamics simulations. <b>2020</b> , 22, 28055-28073	3
377	Chronic Administration of Scopolamine Increased GSK3 $\beta$ , Beta Secretase, Amyloid Beta, and Oxidative Stress in the Hippocampus of Wistar Rats. <b>2020</b> , 57, 3979-3988	7
376	A Comprehensive, Multi-Modal Strategy to Mitigate Alzheimer's Disease Risk Factors Improves Aspects of Metabolism and Offsets Cognitive Decline in Individuals with Cognitive Impairment. <b>2020</b> , 4, 223-230	1
375	Phosphorylated A $\beta$ peptides in human Down syndrome brain and different Alzheimer's-like mouse models. <b>2020</b> , 8, 118	7
374	Brain-Derived Neurotrophic Factor (BDNF) Preserves the Functional Integrity of Neural Networks in the $\beta$ -Amyloidopathy Model. <b>2020</b> , 8, 582	4
373	Neuropathological assessment of the Alzheimer spectrum. <b>2020</b> , 127, 1229-1256	13
372	The Role of Lipid Environment in Ganglioside GM1-Induced Amyloid $\beta$ Aggregation. <b>2020</b> , 10,	4
371	Fluid Biomarkers for Synaptic Dysfunction and Loss. <b>2020</b> , 15, 1177271920950319	23
370	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. <b>2020</b> , 15, 53	18
369	Time-Dependent Lipid Dynamics, Organization and Peptide-Lipid Interaction in Phospholipid Bilayers with Incorporated $\beta$ -Amyloid Oligomers. <b>2020</b> , 11, 8329-8336	4
368	Ionic Environment Affects Biomolecular Interactions of Amyloid- $\beta$ SPR Biosensor Study. <b>2020</b> , 21,	1

- 367 Pharmacological Strategies to Improve Dendritic Spines in Alzheimer's Disease. *Journal of Alzheimer's Disease*, **2021**, 82, S91-S107 4-3 2
- 366 Vaccination against  $\beta$ Amyloid as a Strategy for the Prevention of Alzheimer's Disease. **2020**, 9, 4
- 365 A Two-Clone Approach to Study Signaling Interactions among Neuronal Cells in a Pre-clinical Alzheimer's Disease Model. **2020**, 23, 101823 5
- 364 Superparamagnetic iron oxide nanoparticles conjugated with A $\beta$  oligomer-specific scFv antibody and class A scavenger receptor activator show therapeutic potentials for Alzheimer's Disease. **2020**, 18, 160 8
- 363 Verapamil and Alzheimer's Disease: Past, Present, and Future. **2020**, 11, 562 6
- 362 Green Tea Seed Isolated Theasaponin E1 Ameliorates AD Promoting Neurotoxic Pathogenesis by Attenuating A $\beta$  Peptide Levels in SweAPP N2a Cells. **2020**, 25, 3
- 361 Amyloid Metabolism and Amyloid-Targeting Blood-Based Biomarkers of Alzheimer's Disease. *Journal of Alzheimer's Disease*, **2020**, 75, 685-696 4-3 4
- 360 Out-of-Register Parallel  $\beta$ Sheets and Antiparallel  $\beta$ Sheets Coexist in 150-kDa Oligomers Formed by Amyloid- $\beta$ (1-42). **2020**, 432, 4388-4407 15
- 359 Advances in amyloid beta oligomer detection applications in Alzheimer's disease. **2020**, 129, 115919 11
- 358 Cholinergic-like neurons carrying PSEN1 E280A mutation from familial Alzheimer's disease reveal intraneuronal sAPP $\beta$  fragments accumulation, hyperphosphorylation of TAU, oxidative stress, apoptosis and Ca<sup>2+</sup> dysregulation: Therapeutic implications. **2020**, 15, e0221669 8
- 357 Progress toward Alzheimer's disease treatment: Leveraging the Achilles' heel of A $\beta$  oligomers?. **2020**, 29, 1748-1759 21
- 356 Tipping the Scales: Peptide-Dependent Dysregulation of Neural Circuit Dynamics in Alzheimer's Disease. **2020**, 107, 417-435 30
- 355 Effects of N-Terminal Residues on the Assembly of Constrained  $\beta$ Hairpin Peptides Derived from A $\beta$ . **2020**, 142, 11593-11601 9
- 354 Amyloid- $\beta$ 2/40 ratio drives tau pathology in 3D human neural cell culture models of Alzheimer's disease. **2020**, 11, 1377 46
- 353 The clinical promise of biomarkers of synapse damage or loss in Alzheimer's disease. **2020**, 12, 21 69
- 352 Computational studies of protein aggregation mediated by amyloid: Fibril elongation and secondary nucleation. **2020**, 170, 461-504 4
- 351 Early intraneuronal amyloid triggers neuron-derived inflammatory signaling in APP transgenic rats and human brain. **2020**, 117, 6844-6854 33
- 350 Ameliorating amyloid aggregation through osmolytes as a probable therapeutic molecule against Alzheimer's disease and type 2 diabetes.. **2020**, 10, 12166-12182 5



349	Removal of A $\beta$ Oligomers from the Blood: A Potential Therapeutic System for Alzheimer's Disease. <b>2020</b> , 16, 607-627	1
348	Neuropathological Mechanisms Associated with Pesticides in Alzheimer's Disease. <b>2020</b> , 8,	14
347	Identifying Fibrillization State of A $\beta$ Protein Near-Field THz Conductance Measurement. <b>2020</b> , 14, 6548-6558	13
346	The Binding of A $\beta$ 2 Peptide Monomers to Sphingomyelin/Cholesterol/Ganglioside Bilayers Assayed by Density Gradient Ultracentrifugation. <b>2020</b> , 21,	6
345	Molecular mechanisms of amyloid aggregation in human proteinopathies. <b>2020</b> , 153-179	1
344	Exploring the ring potential of 2,4-diaminopyrimidine derivatives towards the identification of novel caspase-1 inhibitors in Alzheimer's disease therapy. <b>2020</b> , 26, 68	11
343	Half a century of amyloids: past, present and future. <b>2020</b> , 49, 5473-5509	142
342	Yeast-Based A $\beta$ -15 Vaccine Elicits Strong Immunogenicity and Attenuates Neuropathology and Cognitive Deficits in Alzheimer's Disease Transgenic Mice. <b>2020</b> , 8,	2
341	Protofibrils of Amyloid- $\beta$ are Important Targets of a Disease-Modifying Approach for Alzheimer's Disease. <b>2020</b> , 21,	18
340	Brain injury-induced dysfunction of the blood brain barrier as a risk for dementia. <b>2020</b> , 328, 113257	26
339	Calcium-Involved Action of Phytochemicals: Carotenoids and Monoterpenes in the Brain. <b>2020</b> , 21,	8
338	Development of the clinical candidate PBD-C06, a humanized pGlu3-A $\beta$ specific antibody against Alzheimer's disease with reduced complement activation. <b>2020</b> , 10, 3294	8
337	APP Osaka Mutation in Familial Alzheimer's Disease-Its Discovery, Phenotypes, and Mechanism of Recessive Inheritance. <b>2020</b> , 21,	12
336	Enhancing $\beta$ secretase Processing for Alzheimer's Disease-A View on SFRP1. <b>2020</b> , 10,	2
335	Early Effects of A $\beta$ Oligomers on Dendritic Spine Dynamics and Arborization in Hippocampal Neurons. <b>2020</b> , 12, 2	10
334	Maintenance of Amyloid-beta Homeostasis by Carbenoxolone Post A $\beta$ 42 Oligomer Injection in Rat Brain. <b>2020</b> , 431, 86-102	2
333	Alzheimer's disease pathology in APOE transgenic mouse models: The Who, What, When, Where, Why, and How. <b>2020</b> , 139, 104811	21
332	Characterization and preclinical evaluation of the cGMP grade DNA based vaccine, AV-1959D to enter the first-in-human clinical trials. <b>2020</b> , 139, 104823	9

331	"Amyloid-beta accumulation cycle" as a prevention and/or therapy target for Alzheimer's disease. <b>2020</b> , 19, e13109		21
330	Alzheimer's disease beyond amyloid: Can the repetitive failures of amyloid-targeted therapeutics inform future approaches to dementia drug discovery?. <b>2020</b> , 177, 113945		26
329	Blood Amyloid- $\beta$ Oligomerization as a Biomarker of Alzheimer's Disease: A Blinded Validation Study. <i>Journal of Alzheimer's Disease</i> , <b>2020</b> , 75, 493-499	4-3	18
328	Association of Plasma Oligomerized Beta Amyloid with Neurocognitive Battery Using Korean Version of Consortium to Establish a Registry for Alzheimer's Disease in Health Screening Population. <b>2020</b> , 10,		5
327	Introducing Virtual Oligomerization Inhibition to Identify Potent Inhibitors of A $\beta$ Oligomerization. <b>2020</b> , 16, 3920-3935		4
326	Oligomerization and Conformational Change Turn Monomeric $\beta$ Amyloid and Tau Proteins Toxic: Their Role in Alzheimer's Pathogenesis. <b>2020</b> , 25,		27
325	Modulation of tau protein aggregation using 'Trojan' sequences. <b>2020</b> , 1864, 129569		5
324	Alzheimer's protection effect of A673T mutation may be driven by lower A $\beta$ oligomer binding affinity. <b>2021</b> , 157, 1316-1330		9
323	PPAR $\gamma$ /PGC1 $\beta$ signaling as a potential therapeutic target for mitochondrial biogenesis in neurodegenerative disorders. <b>2021</b> , 219, 107705		23
322	Protofibril-Fibril Interactions Inhibit Amyloid Fibril Assembly by Obstructing Secondary Nucleation. <b>2021</b> , 60, 3016-3021		8
321	Sigma ligands as potent inhibitors of A $\beta$ and A $\tau$ in neurons and promising therapeutic agents of Alzheimer's disease. <b>2021</b> , 190, 108342		0
320	Supramolecular Bait to Trigger Non-Equilibrium Co-Assembly and Clearance of A $\beta$ 2. <b>2021</b> , 60, 4014-4017		1
319	Alzheimer's A $\beta$ 2 and A $\beta$ 0 form mixed oligomers with direct molecular interactions. <b>2021</b> , 534, 292-296		4
318	$\beta$ Amyloid: The known unknowns. <b>2021</b> , 65, 101212		13
317	The interaction of A $\beta$ 2 peptide in monomer, oligomer or fibril forms with sphingomyelin/cholesterol/ganglioside bilayers. <b>2021</b> , 168, 611-619		3
316	Supramolecular Bait to Trigger Non-Equilibrium Co-Assembly and Clearance of A $\beta$ 2. <b>2021</b> , 133, 4060-4063		
315	Comparison of A $\beta$ (1-40, 1-28, 11-22, and 29-40) aggregation processes and inhibition of toxic species generated in early stages of aggregation by a water-soluble ruthenium complex. <b>2021</b> , 215, 111314		2
314	Identification of intraneuronal amyloid beta oligomers in locus coeruleus neurons of Alzheimer's patients and their potential impact on inhibitory neurotransmitter receptors and neuronal excitability. <b>2021</b> , 47, 488-505		5

313	Protofibril-Fibril Interactions Inhibit Amyloid Fibril Assembly by Obstructing Secondary Nucleation. <b>2021</b> , 133, 3053-3058		
312	Targeting increased levels of APP in Down syndrome: Posiphen-mediated reductions in APP and its products reverse endosomal phenotypes in the Ts65Dn mouse model. <b>2021</b> , 17, 271-292	14	
311	Kinetic and thermodynamic stability comparison for the fibrillar form of small amyloid- $\beta$ (1-42) oligomers using scaled molecular dynamics. <b>2021</b> , 23, 16897-16908	0	
310	Isobavachalcone ameliorates cognitive deficits, and A $\beta$ and tau pathologies in triple-transgenic mice with Alzheimer's disease. <b>2021</b> , 12, 7749-7761	1	
309	Conformation-specific perturbation of membrane dynamics by structurally distinct oligomers of Alzheimer's amyloid- $\beta$ peptide. <b>2021</b> , 23, 9686-9694	3	
308	NGF and the Amyloid Precursor Protein in Alzheimer's Disease: From Molecular Players to Neuronal Circuits. <b>2021</b> , 1331, 145-165	4	
307	Post-Translational Modifications of BACE1 in Alzheimer's Disease. <b>2021</b> ,	0	
306	The Pathogenesis Mechanism, Structure Properties, Potential Drugs and Therapeutic Nanoparticles against the Small Oligomers of Amyloid- $\beta$ <b>2021</b> , 21, 151-167	2	
305	Regulation of divalent metal ions to the aggregation and membrane damage of human islet amyloid polypeptide oligomers.. <b>2021</b> , 11, 12815-12825	1	
304	Origin, toxicity and characteristics of two amyloid oligomer polymorphs.. <b>2021</b> , 2, 1631-1642	1	
303	Positron emission tomography imaging agents for evaluating the pathologic features of Alzheimer's disease and drug development. <b>2021</b> , 367-412		
302	Cross-Linked Amyloid $\beta$ Protein Oligomers: A Missing Link in Alzheimer's Disease Pathology?. <b>2021</b> , 125, 1307-1316	0	
301	Flavonoid-Based Nanomedicines in Alzheimer's Disease Therapeutics: Promises Made, a Long Way To Go. <b>2021</b> , 4, 74-95	4	
300	Clinically oriented Alzheimer's biosensors: expanding the horizons towards point-of-care diagnostics and beyond.. <b>2021</b> , 11, 20403-20422	0	
299	Shear-Induced Amyloid Aggregation in the Brain: V. Are Alzheimer's and Other Amyloid Diseases Initiated in the Lower Brain and Brainstem by Cerebrospinal Fluid Flow Stresses?. <i>Journal of Alzheimer's Disease</i> , <b>2021</b> , 79, 979-1002	4-3	3
298	Compartmentalized Signaling in Aging and Neurodegeneration. <b>2021</b> , 10,		3
297	Therapeutic Strategies Targeting Amyloid- $\beta$ Receptors and Transporters in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , <b>2021</b> , 79, 1429-1442	4-3	3
296	Boldine Attenuates Synaptic Failure and Mitochondrial Deregulation in Cellular Models of Alzheimer's Disease. <b>2021</b> , 15, 617821		2

295	Using stable isotope labeling to advance our understanding of Alzheimer's disease etiology and pathology. <b>2021</b> , 159, 318-329	0
294	Microglia show differential transcriptomic response to A $\beta$ peptide aggregates ex vivo and in vivo.	
293	Clusterin inhibits A $\beta$ aggregation through a "strawberry model" as detected by FRET-FCS. <b>2021</b> , 158, 444-454	
292	Fluorine-19 Magnetic Resonance Imaging for Detection of Amyloid $\beta$ Oligomers Using a Keto Form of Curcumin Derivative in a Mouse Model of Alzheimer's Disease. <b>2021</b> , 26,	5
291	Mitochondrial Permeability Transition: A Pore Intertwines Brain Aging and Alzheimer's Disease. <b>2021</b> , 10,	4
290	Keto form of curcumin derivatives strongly binds to A $\beta$ oligomers but not fibrils. <b>2021</b> , 270, 120686	5
289	Early intervention attenuates synaptic plasticity impairment and neuroinflammation in 5xFAD mice. <b>2021</b> , 136, 204-216	5
288	Recent advances in pre-clinical diagnosis of Alzheimer's disease. <b>2021</b> , 1	
287	Plasma Amyloid- $\beta$ Oligomerization Tendency Predicts Amyloid PET Positivity. <b>2021</b> , 16, 749-755	1
286	A method for systematically ranking therapeutic drug candidates using multiple uncertain screening criteria. <b>2021</b> , 30, 1502-1522	0
285	Interactions of $\beta$ Synuclein oligomers with lipid membranes. <b>2021</b> , 1863, 183536	13
284	Nanodroplet Oligomers (NanDOs) of A $\beta$ 0. <b>2021</b> , 60, 2691-2703	0
283	Exploiting formyl peptide receptor 2 to promote microglial resolution: a new approach to Alzheimer's disease treatment. <b>2021</b> ,	0
282	Validation of Fucoxanthin from Microalgae <i>Phaeodactylum tricornutum</i> for the Detection of Amyloid Burden in Transgenic Mouse Models of Alzheimer's Disease. <b>2021</b> , 11, 5878	1
281	Emerging insights into the role of albumin with plasma exchange in Alzheimer's disease management. <b>2021</b> , 60, 103164	1
280	Neurotoxic Soluble Amyloid Oligomers Drive Alzheimer's Pathogenesis and Represent a Clinically Validated Target for Slowing Disease Progression. <b>2021</b> , 22,	8
279	An Unbalanced Synaptic Transmission: Cause or Consequence of the Amyloid Oligomers Neurotoxicity?. <b>2021</b> , 22,	4
278	In Vitro and In Vivo Efficacies of the Linear and the Cyclic Version of an All-d-Enantiomeric Peptide Developed for the Treatment of Alzheimer's Disease. <b>2021</b> , 22,	3

277	Conceptual and Methodological Pitfalls in Experimental Studies: An Overview, and the Case of Alzheimer's Disease. <b>2021</b> , 14, 684977	
276	Microglia show differential transcriptomic response to A $\beta$ peptide aggregates ex vivo and in vivo. <b>2021</b> , 4,	2
275	Amyloid peptide interactions with biomimetic membranes: A multiparametric characterization. <b>2021</b> , 181, 769-777	1
274	Modeling structural interconversion in Alzheimer's amyloid beta peptide with classical and intrinsically disordered protein force fields. <b>2021</b> , 1-18	
273	Mini-review: Amyloid degradation toxicity hypothesis of Alzheimer's disease. <b>2021</b> , 756, 135959	7
272	Plasma amyloid- $\beta$ oligomerization assay as a pre-screening test for amyloid status. <b>2021</b> , 13, 133	6
271	From reaction kinetics to dementia: A simple dimer model of Alzheimer's disease etiology. <b>2021</b> , 17, e1009114	0
270	Cryo-electron Microscopy Imaging of Alzheimer's Amyloid-beta 42 Oligomer Displayed on a Functionally and Structurally Relevant Scaffold. <b>2021</b> , 133, 18828-18835	1
269	Reassembling protein complexes after controlled disassembly by top-down mass spectrometry in native mode. <b>2021</b> , 465,	2
268	Cryo-electron Microscopy Imaging of Alzheimer's Amyloid-beta 42 Oligomer Displayed on a Functionally and Structurally Relevant Scaffold. <b>2021</b> , 60, 18680-18687	9
267	Modeling the mature CNS: A predictive screening platform for neurodegenerative disease drug discovery. <b>2021</b> , 358, 109180	3
266	Nanosopic investigation of C9orf72 poly-GA oligomers on nuclear membrane disruption by a photoinducible platform. <b>2021</b> , 4,	
265	Endo-lysosomal A $\beta$ concentration and pH trigger formation of A $\beta$ oligomers that potently induce Tau missorting. <b>2021</b> , 12, 4634	5
264	Cognitive reserve and Alzheimer's biological continuum: clues for prediction and prevention of dementia. <b>2021</b> , 112, 441-447	4
263	Importance of extracellular vesicle secretion at the blood-cerebrospinal fluid interface in the pathogenesis of Alzheimer's disease. <b>2021</b> , 9, 143	10
262	Membrane channel hypothesis of lysosomal permeabilization by beta-amyloid.	
261	Evaluation of Class IIa Histone Deacetylases Expression and In Vivo Epigenetic Imaging in a Transgenic Mouse Model of Alzheimer's Disease. <b>2021</b> , 22,	2
260	Extracellular protein components of amyloid plaques and their roles in Alzheimer's disease pathology. <b>2021</b> , 16, 59	10

259	Discovery of Investigational Drug CT1812, an Antagonist of the Sigma-2 Receptor Complex for Alzheimer's Disease. <b>2021</b> , 12, 1389-1395	3
258	Mulberry fruit extract alleviates the intracellular amyloid- $\beta$ oligomer-induced cognitive disturbance and oxidative stress in Alzheimer's disease model mice. <b>2021</b> , 26, 861-873	0
257	Proteomic landscape of Alzheimer's Disease: novel insights into pathogenesis and biomarker discovery. <b>2021</b> , 16, 55	10
256	Nasal Rifampicin Improves Cognition in a Mouse Model of Dementia with Lewy Bodies by Reducing $\beta$ Synuclein Oligomers. <b>2021</b> , 22,	5
255	Challenges in sample preparation and structure determination of amyloids by cryo-EM. <b>2021</b> , 297, 100938	1
254	Neutrophil Granule Proteins Inhibit Amyloid Beta Aggregation and Neurotoxicity. <b>2021</b> , 18, 414-427	1
253	Molecular insight into the early stage of amyloid- $\beta$ (1-42) Homodimers aggregation influenced by histidine tautomerism. <b>2021</b> , 184, 887-897	2
252	Plexin-A4 mediates amyloid- $\beta$ induced tau pathology in Alzheimer's disease animal model. <b>2021</b> , 203, 102075	0
251	Reference interval and the role of plasma oligomeric beta amyloid in screening of risk groups for cognitive dysfunction at health checkups. <b>2021</b> , 35, e23933	1
250	Looking at Alzheimer's Disease Pathogenesis from the Nuclear Side. <b>2021</b> , 11,	0
249	Searching for Natural Products That Delay Nucleation Phase and Promote Elongation Phase of Amyloid $\beta$ 2 toward Alzheimer's Disease Therapeutics. <b>2021</b> , 12, 3467-3476	0
248	Characterization of a Conformation-Restricted Amyloid $\beta$ Peptide and Immunoreactivity of Its Antibody in Human AD brain. <b>2021</b> , 12, 3418-3432	2
247	The amyloid concentric $\beta$ barrel hypothesis: Models of amyloid beta 42 oligomers and annular protofibrils.	
246	CSF in Epileptic Prodromal Alzheimer's Disease: No Diagnostic Contribution but a Pathophysiological One. <b>2021</b> , 12, 623777	0
245	Role of Oxidative Damage in Alzheimer's Disease and Neurodegeneration: From Pathogenic Mechanisms to Biomarker Discovery. <b>2021</b> , 10,	7
244	Diagnosi clinicolaboratoristica della malattia di Alzheimer. <b>2021</b> , 21, 1-15	
243	$\beta$ Oligomers trigger necroptosis-mediated neurodegeneration via microglia activation in Alzheimer's disease.	0
242	Metformin a Potential Pharmacological Strategy in Late Onset Alzheimer's Disease Treatment. <b>2021</b> , 14,	3

241	The oxidatively damaged DNA and amyloid- $\beta$ oligomer hypothesis of Alzheimer's disease. <b>2021</b> , 179, 403-403	2
240	Cross-Seeded Fibrillation Induced by Pyroglutamate-3 and Truncated A $\beta$ Variants Leads to A $\beta$ Structural Polymorphism Modulation and Elevated Toxicity. <b>2021</b> , 12, 3625-3637	2
239	Insight into Cross-Amyloid Interactions and Morphologies: Molecular Dynamics Simulations of Model Peptide Fragments of Amyloid- $\beta$ (A $\beta$ 6-22) and Islet Amyloid Polypeptide (IAPP20-29).	
238	Thiophene-Based Dual Modulators of A $\beta$ and Tau Aggregation. <b>2021</b> , 22, 3348-3357	1
237	Immunization with A $\beta$ -10-KLH vaccine improves cognitive function and ameliorates mitochondrial dysfunction and reduces Alzheimer's disease-like pathology in Tg-APP <sup>swe</sup> /PSEN1 <sup>dE9</sup> mice. <b>2021</b> , 174, 31-40	3
236	A $\beta$ initiates brain hypometabolism, network dysfunction and behavioral abnormalities via NOX2-induced oxidative stress in mice. <b>2021</b> , 4, 1054	5
235	Exploring ER stress response in cellular aging and neuroinflammation in Alzheimer's disease. <b>2021</b> , 70, 101417	5
234	The Impact of Ageing on the CNS Immune Response in Alzheimer's Disease. <b>2021</b> , 12, 738511	4
233	Distinct types of amyloid- $\beta$ oligomers displaying diverse neurotoxicity mechanisms in Alzheimer's disease. <b>2021</b> , 122, 1594-1608	2
232	Amyloid $\beta$ oligomer selective antibodies for Alzheimer's therapeutics and diagnostics.	
231	Vitamin B impacts amyloid beta-induced proteotoxicity by regulating the methionine/S-adenosylmethionine cycle. <b>2021</b> , 36, 109753	6
230	Amyloid pathology and synaptic loss in pathological aging. <b>2021</b> , 159, 258-272	0
229	$\beta$ -Amyloid fibrils catalyze neurotransmitter degradation. <b>2021</b> , 1, 908-922	1
228	Label-Free Infrared Spectroscopic Imaging Reveals Heterogeneity of $\beta$ -Sheet Aggregates in Alzheimer's Disease. <b>2021</b> , 12, 9662-9671	2
227	Effects of All-Atom Molecular Mechanics Force Fields on Amyloid Peptide Assembly: The Case of PHF6 Peptide of Tau Protein. <b>2021</b> , 17, 6458-6471	6
226	Exploring amyloid oligomers with peptide model systems. <b>2021</b> , 64, 106-115	2
225	The role of microRNA-34 family in Alzheimer's disease: A potential molecular link between neurodegeneration and metabolic disorders. <b>2021</b> , 172, 105805	4
224	Amyloid beta acts synergistically as a pro-inflammatory cytokine. <b>2021</b> , 159, 105493	4

223	GABA receptor agonist muscimol rescues inhibitory microcircuit defects in the olfactory bulb and improves olfactory function in APP/PS1 transgenic mice. <b>2021</b> , 108, 47-57	2
222	The Ups and Downs of Amyloid in Alzheimer's.. <b>2022</b> , 9, 92-95	1
221	Degradation Products of Amyloid Protein: Are They The Culprits?. <b>2020</b> , 17, 869-880	3
220	A conformation-specific antibody against oligomeric $\beta$ amyloid restores neuronal integrity in a mouse model of Alzheimer's disease. <b>2021</b> , 296, 100241	1
219	Hyperactivity Induced by Soluble Amyloid- $\beta$ Oligomers in the Early Stages of Alzheimer's Disease. <b>2020</b> , 13, 600084	11
218	The App mouse retina is a site for preclinical Alzheimer's disease diagnosis and research. <b>2021</b> , 9, 6	9
217	Encyclopedia of Gerontology and Population Aging. <b>2020</b> , 1-8	2
216	Unraveling Alzheimer's Disease Using Drosophila. <b>2019</b> , 251-277	5
215	The aroylhydrazone INHHQ prevents memory impairment induced by Alzheimer's-linked amyloid- $\beta$ oligomers in mice. <b>2020</b> , 31, 738-747	5
214	Endo-lysosomal A $\beta$ concentration and pH enable formation of A $\beta$ oligomers that potently induce Tau missorting.	2
213	A $\beta$ initiates brain hypometabolism and network dysfunction via NOX2 activation: a potential onset mechanism of Alzheimer's disease.	4
212	GSK3 $\beta$ impairs KIF1A Transport in a Cellular Model of Alzheimer's Disease but Does Not Regulate Motor Motility at S402. <b>2020</b> , 7,	2
211	A $\beta$ Plaques. <b>2020</b> , 1,	8
210	$\beta$ amyloid and Oxidative Stress: Perspectives in Drug Development. <b>2019</b> , 25, 4771-4781	19
209	A Chronological Review of Potential Disease-Modifying Therapeutic Strategies for Alzheimer's Disease. <b>2020</b> , 26, 1286-1299	6
208	The Importance of Understanding Amylin Signaling Mechanisms for Therapeutic Development in the Treatment of Alzheimer's Disease. <b>2020</b> , 26, 1345-1355	1
207	Amyloid Beta Hypothesis in Alzheimer's Disease: Major Culprits and Recent Therapeutic Strategies. <b>2020</b> , 21, 148-166	7
206	Emerging Promise of Immunotherapy for Alzheimer's Disease: A New Hope for the Development of Alzheimer's Vaccine. <b>2020</b> , 20, 1214-1234	15



205	The Ambiguous Role of Microglia in A $\beta$ Toxicity: Chances for Therapeutic Intervention. <b>2020</b> , 18, 446-455	6
204	New Evidence for P-gp-Mediated Export of Amyloid- $\beta$ PEPTIDES in Molecular, Blood-Brain Barrier and Neuronal Models. <b>2020</b> , 22,	9
203	Promising Results from Alzheimer's Disease Passive Immunotherapy Support the Development of a Preventive Vaccine. <b>2019</b> , 2019, 5341375	11
202	Challenges in understanding the structure/activity relationship of A $\beta$ oligomers. <b>2019</b> , 6, 1-22	2
201	Alzheimer's Disease: A short introduction to the calmodulin hypothesis. <b>2019</b> , 6, 231-239	7
200	Potential preventive disease-modifying pharmacological strategies to delay late onset Alzheimer's disease. <b>2019</b> , 14, 1721-1725	2
199	An A $\beta$ -10-KLH vaccine decreases A $\beta$ plaques and astrocytes and microglia activation in the brain of APP/PS1 transgenic mice. <b>2021</b> , 81, 207-217	
198	Role of Lipocalin-2 in Amyloid-Beta Oligomer-Induced Mouse Model of Alzheimer's Disease. <b>2021</b> , 10,	0
197	Neurodegenerative damage reduces firing coherence in a continuous attractor model of grid cells. <b>2021</b> , 104, 044414	
196	Inhalational Anesthetics Do Not Deteriorate Amyloid- $\beta$ Derived Pathophysiology in Alzheimer's Disease: Investigations on the Molecular, Neuronal, and Behavioral Level. <i>Journal of Alzheimer's Disease</i> , <b>2021</b> , 84, 1193-1218	4.3
195	Effects of the Toxic Metals Arsenite and Cadmium on $\beta$ Synuclein Aggregation In Vitro and in Cells. <b>2021</b> , 22,	1
194	Dopamine, sleep, and neuronal excitability modulate amyloid- $\beta$ mediated forgetting in Drosophila. <b>2021</b> , 19, e3001412	0
193	Disorder-to-order transition of the amyloid- $\beta$ peptide upon lipid binding. <b>2022</b> , 280, 106700	16
192	Aggregation and structure of amyloid $\beta$ protein. <b>2021</b> , 151, 105208	5
191	Nutrition, Inflammation, and Infection in the Genomics of Lifespan. <b>2019</b> ,	
190	Cholinergic-like neurons carrying PSEN1 E280A mutation from familial Alzheimer's disease reveal intraneuronal A $\beta$ 2 peptide accumulation, hyperphosphorylation of TAU, oxidative stress, apoptosis and Ca <sup>2+</sup> flux dysregulation: Therapeutic Implications.	
189	Succinylation Links Metabolic Reductions to Amyloid and Tau Pathology.	0
188	The amyloid hypothesis of Alzheimer's disease: past and present, hopes and disappointments. <b>2019</b> , 11, 4-10	2

- 187 Identification of amyloid beta oligomers in locus coeruleus (LC) neurons of Alzheimer's patients and their impact on LC oxidative stress, inhibitory neurotransmitter receptors and neuronal excitability.
- 186 Quantitative detection of grey and white matter amyloid pathology using a combination of K114 and CRANAD-3 fluorescence. **2021**, 161, 105540 0
- 185 Gene Therapy Strategy for Alzheimer's and Parkinson's Diseases Aimed at Preventing the Formation of Neurotoxic Oligomers in SH-SY5Y Cells. **2021**, 22, 1
- 184 Mechanism of cellular production and in vivo seeding effects of hexameric A $\beta$  amyloid assemblies.
- 183 Humanin and Alzheimer's disease: The beginning of a new field. **2022**, 1866, 130024 1
- 182 On the propagation of the OH radical produced by Cu-amyloid beta peptide model complexes. Insight from molecular modelling. **2020**, 12, 1765-1780 2
- 181 Out-of-register parallel  $\beta$ -sheets and antiparallel  $\beta$ -sheets coexist in 150 kDa oligomers formed by A $\beta$ (1-42).
- 180 A Meta-Analysis Study on Alzheimer's Disease.
- 179 Plaque-Associated Oligomeric Amyloid-Beta Drives Early Synaptotoxicity in APP/PS1 Mice Hippocampus: Ultrastructural Pathology Analysis. **2021**, 15, 752594 5
- 178 [Disease-modifying treatment approaches for Alzheimer's disease]. **2021**, 92, 1239-1248 1
- 177 Differential Clearance of A $\beta$  species from the Brain by Brain Lymphatic Endothelial Cells in Zebrafish. **2021**, 22, 1
- 176 The AppNL-G-F mouse retina is a site for preclinical Alzheimer's disease diagnosis and research.
- 175 Polyphenols as Potential Therapeutic Drugs in Neurodegeneration. 0
- 174 Amyloid beta acts synergistically as a pro-inflammatory cytokine.
- 173 Advances in Proteasome Enhancement by Small Molecules.. **2021**, 11, 1
- 172 Coassembled Chitosan-Hyaluronic Acid Nanoparticles as a Theranostic Agent Targeting Alzheimer's A $\beta$  Amyloid. **2021**, 13, 55879-55889 2
- 171 Jacob, a Synapto-Nuclear Protein Messenger Linking N-methyl-D-aspartate Receptor Activation to Nuclear Gene Expression.. **2021**, 13, 787494 1
- 170 Exercise Reverses Amyloid Beta-Peptide-mediated Cognitive Deficits in Alzheimer's Disease Mice Expressing Mutant Presenilin-2. **2021**, 1

169	PrP as a Transducer of Physiological and Pathological Signals. <b>2021</b> , 14, 762918	1
168	Membrane channel hypothesis of lysosomal permeabilization by beta-amyloid. <b>2021</b> , 770, 136338	0
167	Astrocytes in depression and Alzheimer's disease. <b>2021</b> , 15, 829	1
166	Analyzing Morphological Properties of Early-Stage Toxic Amyloid $\beta$ Oligomers by Atomic Force Microscopy. <b>2022</b> , 2402, 227-241	
165	Alzheimer's Disease. <b>2021</b> , 415-422	
164	The Therapeutic and Diagnostic Potential of Amyloid $\beta$ Oligomers Selective Antibodies to Treat Alzheimer's Disease.. <b>2021</b> , 15, 768646	0
163	Altered succinylation of mitochondrial proteins, APP and tau in Alzheimer's disease.. <b>2022</b> , 13, 159	3
162	Protection against Amyloid- $\beta$ Oligomer Neurotoxicity by Small Molecules with Antioxidative Properties: Potential for the Prevention of Alzheimer's Disease Dementia.. <b>2022</b> , 11,	0
161	Fas Apoptosis Inhibitory Molecule Blocks and Dissolves Pathological Amyloid- $\beta$ Species.. <b>2021</b> , 14, 750578	1
160	Cerebral Phospho-Tau Acts Synergistically with Soluble A $\beta$ 2 Leading to Mild Cognitive Impairment in AAV-AD Rats. 1	1
159	Ganglioside binding domains in proteins: Physiological and pathological mechanisms.. <b>2022</b> , 128, 289-324	1
158	Effects of Lipoic Acid on Phagocytosis of Oligomeric Beta-Amyloid in BV-2 Mouse Microglial Cells.. <b>2021</b> , 13, 788723	0
157	Therapeutic effects of anti-amyloid $\beta$ Antibody after intravenous injection and efficient nose-to-brain delivery in Alzheimer's disease mouse model.. <b>2022</b> , 1	
156	A Disulfide-Stabilized A $\beta$ that Forms Dimers but Does Not Form Fibrils.. <b>2022</b> ,	0
155	The amyloid concentric $\beta$ barrel hypothesis: Models of amyloid beta 42 oligomers and annular protofibrils.. <b>2022</b> ,	0
154	Neddylation-dependent protein degradation is a nexus between synaptic insulin resistance, neuroinflammation and Alzheimer's disease.. <b>2022</b> , 11, 2	2
153	The Calcium-free form of Atorvastatin inhibits amyloid- $\beta$ (1-42) aggregation in vitro.. <b>2022</b> , 101662	2
152	Amyloid- $\beta$ Oligomers in the nucleus accumbens decrease motivation via insertion of calcium-permeable AMPA receptors.. <b>2022</b> ,	1

151	Molecular packing of lipid membranes and action mechanisms of membrane-active peptides.. <b>2022</b> , 213, 112384		
150	Putative Factors Interfering Cell Cycle Re-Entry in Alzheimer's Disease: An Omics Study with Differential Expression Meta-Analytics and Co-Expression Profiling.. <i>Journal of Alzheimer's Disease</i> , <b>2021</b> ,	43	0
149	Amyloid $\beta$ Interaction with model cell membranes - What are the toxicity-defining properties of amyloid $\beta$ . <b>2022</b> , 200, 520-531		1
148	Amyloid- $\beta$ peptide 37, 38 and 40 individually and cooperatively inhibit amyloid- $\beta$ 2 aggregation.. <b>2022</b> , 13, 2423-2439		1
147	Anatomy and formation mechanisms of early amyloid- $\beta$ oligomers with lateral branching: graph network analysis on large-scale simulations.. <b>2022</b> , 13, 2649-2660		
146	Hydrogel-Coated Gate Field-Effect Transistor for Real-Time and Label-Free Monitoring of $\beta$ Amyloid Aggregation and Its Inhibition.. <b>2022</b> ,		1
145	Oligomer-Targeting Prevention of Neurodegenerative Dementia by Intranasal Rifampicin and Resveratrol Combination - A Preclinical Study in Model Mice.. <b>2021</b> , 15, 763476		4
144	Tau-PET imaging as a molecular modality for Alzheimer's disease. <b>2021</b> , 11, 374-386		
143	An Essential Role for Alzheimer's-Linked Amyloid Beta Oligomers in Neurodevelopment: Transient Expression of Multiple Proteoforms during Retina Histogenesis.. <b>2022</b> , 23,		1
142	Amyloid- $\beta$ oligomeric forms: AFM nanoscale structural characterization and impact on long-term memory of young and aged zebrafish.. <b>2022</b> ,		0
141	A novel non-selective atypical PKC agonist could protect neuronal cell line from A $\beta$ oligomer induced toxicity by suppressing A $\beta$ generation.. <b>2022</b> , 25,		0
140	A $\beta$ oligomers trigger necroptosis-mediated neurodegeneration via microglia activation in Alzheimer's disease.. <b>2022</b> , 10, 31		3
139	Amyloid $\beta$ PKC-dependent alterations in NMDA receptor composition are detected in early stages of Alzheimer's disease.. <b>2022</b> , 13, 253		1
138	Amyloid- $\beta$ oligomers interact with NMDA receptors containing GluN2B subunits and metabotropic glutamate receptor 1 in primary cortical neurons: relevance to the synapse pathology of Alzheimer's disease.. <b>2022</b> ,		0
137	A Genetic Model of Epilepsy with a Partial Alzheimer's Disease-Like Phenotype and Central Insulin Resistance.. <b>2022</b> , 1		0
136	A $\beta$ /tau oligomer interplay at human synapses supports shifting therapeutic targets for Alzheimer's disease.. <b>2022</b> , 79, 222		2
135	Activity-differential search for amyloid- $\beta$ aggregation inhibitors using LC-MS combined with principal component analysis.. <b>2022</b> , 61, 128613		1
134	Design and optimization of myricetin encapsulated nanostructured lipid carriers: In-vivo assessment against cognitive impairment in amyloid beta intoxicated rats.. <b>2022</b> , 120479		0

133	Targeting Brain Renin-Angiotensin System for the prevention and treatment of Alzheimer's disease: past, present and future.. <b>2022</b> , 101612	3
132	Exploration of Neuroprotective Properties of a Naturally Inspired Multifunctional Molecule (F24) against Oxidative Stress and Amyloid $\beta$ -Induced Neurotoxicity in Alzheimer's Disease Models.. <b>2021</b> , 101612	0
131	Extracellular Amyloid $\beta$ -protein (1-42) Oligomers Anchor Brain Cells and Make them inert as an Unconventional Integrin-Coupled Ligand.. <b>2022</b> , 101612	0
130	Amyloid $\beta$ -Tau, and $\beta$ -Synuclein aggregates in the pathogenesis, prognosis, and therapeutics for neurodegenerative diseases.. <b>2022</b> , 102270	3
129	Image_1.TIF. <b>2020</b> , 101612	0
128	Image_2.TIF. <b>2020</b> , 101612	0
127	Image_1.TIF. <b>2019</b> , 101612	0
126	Image_2.TIF. <b>2019</b> , 101612	0
125	Table_1.DOCX. <b>2019</b> , 101612	0
124	Amyloid B-Protein Aggregation at Physiologically Relevant Concentrations. A Critical Role of Membranes.. <b>2020</b> , 3, 101612	0
123	Copper Chelating Cyclic Peptidomimetic Inhibits A $\beta$ -Fibrillogenesis.	0
122	Amyloid- $\beta$ in Brain Aging and Alzheimer's Disease. <b>2022</b> , 335-354	0
121	Intracellular injection of brain extracts from Alzheimer's disease patients trigger unregulated Ca <sup>2+</sup> release from intracellular stores that hinders cellular bioenergetics.	0
120	ACU193: An Immunotherapeutic Poised to Test the Amyloid $\beta$ -Oligomer Hypothesis of Alzheimer's Disease.. <b>2022</b> , 16, 848215	1
119	Amyloid-beta targeted therapeutic approaches for Alzheimer's disease: long road ahead.. <b>2022</b> , 101612	0
118	Transgenic Mouse Models of Alzheimer's Disease: An Integrative Analysis. <b>2022</b> , 23, 5404	2
117	Simulations of Cross-Amyloid Aggregation of Amyloid- $\beta$ and Islet Amyloid Polypeptide Fragments.. <b>2022</b> , 101612	1
116	MicroRNA modulation is a potential molecular mechanism for neuroprotective effects of intranasal insulin administration in amyloid $\beta$ -oligomer induced Alzheimer's like rat model.. <b>2022</b> , 164, 111812	0

115	The amyloid precursor protein: a converging point in Alzheimer's disease.. <b>2022</b> ,		1
114	Amyloid $\beta$ Dodecamer Disrupts the Neuronal Membrane More Strongly than the Mature Fibril: Understanding the Role of Oligomers in Neurotoxicity.. <b>2022</b> ,		0
113	Virtual Quasi-2D Intermediates as Building Blocks for Plausible Structural Models of Amyloid Fibrils from Proteins with Complex Topologies: A Case Study of Insulin.		0
112	Role of Aducanumab in the Treatment of Alzheimer's Disease: Challenges and Opportunities. Volume 17, 797-810		6
111	The Small Molecule GAL-201 Efficiently Detoxifies Soluble Amyloid $\beta$ Oligomers: New Approach towards Oral Disease-Modifying Treatment of Alzheimer's Disease. <b>2022</b> , 23, 5794		1
110	The Role of Human Herpesvirus 6 Infection in Alzheimer's Disease Pathogenicity: A Theoretical Mosaic. <b>2022</b> , 11, 3061		1
109	Novel Stilbene-Nitroxyl Hybrid Compounds Display Discrete Modulation of Amyloid Beta Toxicity and Structure. <b>2022</b> , 10,		
108	The therapeutic potential of the neuroactive peptides of soluble amyloid precursor protein-alpha in Alzheimer's disease and related neurological disorders. <b>2022</b> ,		1
107	Combined induction of mTOR-dependent and mTOR-independent pathways of autophagy activation as an experimental therapy for Alzheimer's disease-like pathology in a mouse model. <b>2022</b> , 217, 173406		0
106	Site specific NMR characterization of abeta-40 oligomers cross seeded by abeta-42 oligomers.		1
105	Additions to Alpha-Sheet Based Hypotheses for the Cause of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , <b>2022</b> , 1-10	4-3	0
104	Curcumin Scaffold as a Multifunctional Tool for Alzheimer's Disease Research. <b>2022</b> , 27, 3879		1
103	The Association of Lipids with Amyloid Fibrils. <b>2022</b> , 102108		2
102	Rotor-Tuning Boron Dipyrromethenes for Dual-Functional Imaging of A $\beta$ Oligomers and Viscosity. <b>2022</b> , 5, 3049-3056		
101	Pharmacokinetics and Pharmacodynamic Effect of a Blood-Brain Barrier-Crossing Fusion Protein Therapeutic for Alzheimer's Disease in Rat and Dog.		1
100	Microglial polarization differentially affects neuronal vulnerability to the $\beta$ amyloid protein: Modulation by melatonin. <b>2022</b> , 202, 115151		1
99	Astragalus mongholicus Bunge (Fabaceae): Bioactive Compounds and Potential Therapeutic Mechanisms Against Alzheimer's Disease. 13,		0
98	Near-infrared light reduces glia activation and modulates neuroinflammation in the brains of diet-induced obese mice. <b>2022</b> , 12,		1

97	Scan-Find-Scan-Model: Discrete Site-Targeted Suppressor Design Strategy for Amyloid- $\beta$	1
96	Cannabinoid extract in microdoses ameliorates mnemonic and nonmnemonic Alzheimer's disease symptoms: a case report. <b>2022</b> , 16,	0
95	Joint Computational/Cell-Based Oligomerization for Screening Inhibitors of Tau Assembly: A Proof-of-Concept Study. <i>Journal of Alzheimer's Disease</i> , <b>2022</b> , 1-13	4-3 0
94	Chlorpyrifos oxon crosslinking of amyloid beta 42 peptides is a new route for generation of self-aggregating amyloidogenic oligomers that promote Alzheimer's disease. <b>2022</b> , 363, 110029	0
93	Polymer/Metal Composite Healthcare Materials: From Nano to Device Scale. <b>2022</b> , 6, 218	0
92	Elucidating the Oligomerization and Cellular Interactions of a Trimer Derived from A $\beta$ through Fluorescence and Mass Spectrometric Studies. <b>2022</b> , 13, 2473-2482	
91	Neuronal cell death mechanisms in Alzheimer's disease: An insight. 15,	2
90	A $\beta$ 2 oligomers can seed the fibrillization of A $\beta$ 40 peptides.	
89	Treatment of Alzheimer's disease by promoting the aggregation of small $\beta$ -amyloid peptides. <b>2022</b> , 52, 1184-1191	
88	Therapeutic roles of plants for 15 hypothesised causal bases of Alzheimer's disease. <b>2022</b> , 12,	0
87	Stable Cavitation Interferes with A $\beta$ 2 Oligomerization. <b>2022</b> , 62, 3885-3895	1
86	Transcranial Electromagnetic Treatment Stops Alzheimer's Disease Cognitive Decline over a 2-Year Period: A Pilot Study. <b>2022</b> , 9, 42	0
85	Predicting molecular properties of $\beta$ -synuclein using force fields for intrinsically disordered proteins.	0
84	Signaling interactions among neurons impact cell fitness and death in Alzheimer's disease. <b>2023</b> , 18, 784	0
83	Mechanistic insights into the mitigation of A $\beta$ aggregation and protofibril destabilization by a d-enantiomeric decapeptide rk10. <b>2022</b> , 24, 21975-21994	2
82	Anti-inflammatory and memory-enhancing properties of Chinese herbal extracts: The possible application in Alzheimer's disease. <b>2022</b> , 0	0
81	Membrane interaction to intercellular spread of pathology in Alzheimer's disease. 16,	0
80	Somatic Mutations and Alzheimer's Disease. <b>2022</b> , 1-18	0

- 79 An Alzheimer's Disease Mechanism Based on Early Pathology, Anatomy, Vascular-Induced Flow, and Migration of Maximum Flow Stress Energy Location with Increasing Vascular Disease. **2022**, 1-27 0
- 78 The Role of Glymphatic System in Alzheimer's and Parkinson's Disease Pathogenesis. **2022**, 10, 2261 2
- 77 Fasting-mimicking diet cycles reduce neuroinflammation to attenuate cognitive decline in Alzheimer's models. **2022**, 40, 111417 1
- 76 Amyloid fibrils act as a reservoir of soluble oligomers, the main culprits in protein deposition diseases. 2200086 1
- 75 Fluorescent aptasensor based on conformational switch-induced hybridization for facile detection of  $\beta$ -amyloid oligomers. 0
- 74 Cognitive Dysfunction and Diabetes. **2022**, 23, 165-177 0
- 73 The Immune System as a Therapeutic Target for Alzheimer's Disease. **2022**, 12, 1440 1
- 72 Lysine-targeting inhibition of amyloid  $\beta$  oligomerization by a green perilla-derived metastable chalcone in vitro and in vivo. 1
- 71 Role of phosphatidylserine in amyloid-beta oligomerization at asymmetric phospholipid bilayers. 0
- 70 Amphiphilic stilbene derivatives attenuate the neurotoxicity of soluble A $\beta$ 2 oligomers by controlling their interactions with cell membranes. 0
- 69 The Role of a Pathological Interaction between  $\beta$ -amyloid and Mitochondria in the Occurrence and Development of Alzheimer's Disease. **2022**, 14, 19-34 0
- 68 Conformational Essentials Responsible for Neurotoxicity of A $\beta$ 2 Aggregates Revealed by Antibodies against Oligomeric A $\beta$ 2. **2022**, 27, 6751 0
- 67 Advances in the roles and mechanisms of lignans against Alzheimer's disease. 13, 0
- 66 Hypothesis review: Alzheimer's overture guidelines. 1
- 65 Governing dynamics and preferential binding of the AXH domain influence the aggregation pathway of Ataxin-1. 0
- 64 Novel mescaline-related N-acylhydrazone and its unsubstituted benzoyl derivative: Promising metallophores for copper-associated deleterious effects relief in Alzheimer's disease. **2022**, 112033 0
- 63 N-terminal Domain of Amyloid- $\beta$  Impacts Fibrillation and Neurotoxicity. **2022**, 7, 38847-38855 0
- 62 Amyloid- $\beta$ -42 oligomers enhance mGlu5R-dependent synaptic weakening via NMDAR activation and complement C3aR/C5aR signaling. 0



61	Preparation and Investigation of Crucial Oligomers in the Early Stages of A $\beta$ 0 and A $\beta$ 2 Aggregation. <b>2023</b> , 15-28	0
60	Noninvasive Diagnostics of Renal Amyloidosis: Current State and Perspectives. <b>2022</b> , 23, 12662	0
59	AmyP53, a Therapeutic Peptide Candidate for the Treatment of Alzheimer $\beta$ and Parkinson $\beta$ Disease: Safety, Stability, Pharmacokinetics Parameters and Nose-to Brain Delivery. <b>2022</b> , 23, 13383	1
58	Nanotechnology for the diagnosis and treatment of Alzheimer's disease: A bibliometric analysis. <b>2022</b> , 47, 101654	0
57	The effects and potential of microglial polarization and crosstalk with other cells of the central nervous system in the treatment of Alzheimer $\beta$ disease. <b>2023</b> , 18, 947	0
56	Linking the Amyloid, Tau, and Mitochondrial Hypotheses of Alzheimer $\beta$ Disease and Identifying Promising Drug Targets. <b>2022</b> , 12, 1676	3
55	Alzheimer $\beta$ Disease: Treatment Strategies and Their Limitations. <b>2022</b> , 23, 13954	0
54	Correlative cryo-soft X-ray tomography reveals defective lysosomes in amyloid- $\beta$ oligomer treated hippocampal neurons.	0
53	Intracellular Injection of Brain Extracts from Alzheimer $\beta$ Disease Patients Triggers Unregulated Ca <sup>2+</sup> Release from Intracellular Stores That Hinders Cellular Bioenergetics. <b>2022</b> , 11, 3630	0
52	Therapeutic Potential of Targeting Mitochondria for Alzheimer $\beta$ Disease Treatment. <b>2022</b> , 11, 6742	0
51	Toward the Identification of Neurophysiological Biomarkers for Alzheimer $\beta$ Disease in Down Syndrome: A Potential Role for Cross-Frequency Phase-Amplitude Coupling Analysis. <b>2022</b> , 0	0
50	Balanced basal-levels of ROS (redox-biology), and very-low-levels of pro-inflammatory cytokines (cold-inflammaging), as signaling molecules can prevent or slow-down overt-inflammaging, and the aging-associated decline of adaptive-homeostasis. <b>2023</b> , 172, 112067	0
49	Spin state dependent peroxidase activity of heme bound amyloid $\beta$ peptides relevant to Alzheimer's disease. <b>2022</b> , 13, 14305-14319	0
48	Necroptosis and Alzheimer $\beta$ Disease: Pathogenic Mechanisms and Therapeutic Opportunities. <b>2022</b> , 1-20	0
47	The role of heat shock proteins in preventing amyloid toxicity. 9,	0
46	Differentiation of sub-nucleus sized oligomers and nucleation competent assemblies of the A $\beta$ peptide. <b>2022</b> ,	0
45	Towards the integrative theory of Alzheimer $\beta$ disease: linking molecular mechanisms of neurotoxicity, beta-amyloid biomarkers, and the diagnosis.	0
44	Novel Algorithm of Network Calcium Dynamics Analysis for Studying the Role of Astrocytes in Neuronal Activity in Alzheimer $\beta$ Disease Models. <b>2022</b> , 23, 15928	0

43	Amyloid deposition and dendritic complexity of corticocortical projection cells in 5xFAD mouse. <b>2022,</b>	0
42	Putative Structures of Membrane-Embedded Amyloid $\beta$ Oligomers.	1
41	Structural Model for Self-Limiting $\beta$ Strand Arrangement Within an Alzheimer's Amyloid- $\beta$ Oligomer.	0
40	Modelling Alzheimer's Disease Using Human Brain Organoids: Current Progress and Challenges. 1-35	0
39	Experimental approaches for altering the expression of Abeta-degrading enzymes.	1
38	Regulatory role of melatonin in Notch1 signaling pathway in cerebral cortex of A $\beta$ 2-induced Alzheimer's disease rat model.	0
37	The interactions of amyloid $\beta$ aggregates with phospholipid membranes and the implications for neurodegeneration.	0
36	Ex vivo analysis platforms for monitoring amyloid precursor protein cleavage. 15,	0
35	Cellular prion protein offers neuroprotection in astrocytes submitted to amyloid $\beta$ oligomer toxicity.	0
34	Matrix Development for the Detection of Phosphorylated Amyloid- $\beta$ Peptides by MALDI-TOF-MS.	0
33	Editorial: Beta-Amyloid oligomer specific treatments for Alzheimer's disease. 17,	0
32	Phosphorylation of Tau R2 Repeat Destabilizes Its Binding to Microtubules: A Molecular Dynamics Simulation Study. <b>2023,</b> 14, 458-467	2
31	SorCS1 inhibits amyloid- $\beta$ binding to neurexin and rescues amyloid- $\beta$ induced synaptic pathology. <b>2023,</b> 6, e202201681	1
30	S-Palmitoylation of Synaptic Proteins in Neuronal Plasticity in Normal and Pathological Brains. <b>2023</b> , 12, 387	0
29	Self-Assembly of Amyloid Fibrils into 3D Gel Clusters versus 2D Sheets. <b>2023,</b> 13, 230	0
28	A $\beta$ oligomers: A potential therapeutic target for Alzheimer's disease. <b>2023,</b> 239, 124231	0
27	Degradation of amyloid $\beta$ peptides catalyzed by natto kinase in vivo and in vitro. <b>2023,</b> 12, 1905-1916	0
26	The Cannabinoids, CBDA and THCA, Rescue Memory Deficits and Reduce Amyloid-Beta and Tau Pathology in an Alzheimer's Disease-like Mouse Model. <b>2023,</b> 24, 6827	0

- 25 BMP4-SMAD1/5/9-RUNX2 pathway activation inhibits neurogenesis and oligodendrogenesis in Alzheimer's patients iPSCs in senescence-related conditions. **2023**, 18, 688-705 ○
- 24 Amyloid oligomers as on-pathway precursors or off-pathway competitors of fibrils. 10, ○
- 23 Aza-Residue Modulation of Cyclic d,l-Peptide Nanotube Assembly with Enhanced Anti-Amyloidogenic Activity. **2023**, 66, 3058-3072 ○
- 22 Magnoflorine improves cognitive deficits and pathology of Alzheimer's disease via inhibiting of JNK signaling pathway. **2023**, 112, 154714 ○
- 21 Effect of carbonaceous ultrafine particles on the structure and oligomerization of A $\beta$ 2 peptide. **2023**, 323, 121273 ○
- 20 Phosphorylation at Ser289 Enhances the Oligomerization of Tau Repeat R2. **2023**, 63, 1351-1361 ○
- 19 Protein Self-Assembly at the Liquid-Surface Interface. Surface-Mediated Aggregation Catalysis. **2023**, 127, 1880-1889 ○
- 18 Cannabidiol-Mediated Sequestration of Alzheimer's Amyloid- $\beta$  Peptides in ADDL Oligomers. **2023**, 13, 113-126 ○
- 17 Imaging Amyloid-Membrane Interactions: Ion-Channel Pores and Lipid-Bilayer Permeability in Alzheimer's Disease. ○
- 16 Imaging Amyloid-Membrane Interactions: Ion-Channel Pores and Lipid-Bilayer Permeability in Alzheimer's Disease. ○
- 15 Cerebrospinal Fluid sTREM-2, GFAP, and  $\beta$ 100 in Symptomatic Sporadic Alzheimer's Disease: Microglial, Astrocytic, and APOE Contributions Along the Alzheimer's Disease Continuum. **2023**, 92, 1385-1397 ○
- 14 New Pathways Identify Novel Drug Targets for the Prevention and Treatment of Alzheimer's Disease. **2023**, 24, 5383 ○
- 13 Light, Water, and Melatonin: The Synergistic Regulation of Phase Separation in Dementia. **2023**, 24, 5835 ○
- 12 Beyond the amyloid hypothesis: how current research implicates autoimmunity in Alzheimer's disease pathogenesis. 1-29 ○
- 11 S100B chaperone multimers suppress the formation of oligomers during A $\beta$ 2 aggregation. 17, ○
- 10 Mechanistic insights into the inhibition of amyloid- $\beta$  aggregation by chitosan. **2023**, 25, 10113-10120 ○
- 9 Regulation of beta-amyloid for the treatment of Alzheimer's disease: Research progress of therapeutic strategies and bioactive compounds. ○
- 8 Molecular Insights for Alzheimer's Disease: An Unexplored Storyline on the Nanoscale Impact of Nascent A $\beta$ 2 toward the Lipid Membrane. **2023**, 15, 17507-17517 ○

- 7 Cascade autohydrolysis of Alzheimer's A $\beta$  peptides. ○
- 6 Real-Time Observation for Dynamic Oscillation during the Self-Assembly and Clearance of A $\beta$ 2. ○
- 5 Influence of amyloid beta on impulse spiking of isolated hippocampal neurons. 17, ○
- 4 Recent Development in the Understanding of Molecular and Cellular Mechanisms Underlying the Etiopathogenesis of Alzheimer's Disease. **2023**, 24, 7258 ○
- 3 Characterization of Pairs of Toxic and Nontoxic Misfolded Protein Oligomers Elucidates the Structural Determinants of Oligomer Toxicity in Protein Misfolding Diseases. ○
- 2 Discoveries and future significance of research into amyloid-beta/ $\tau$ -containing nicotinic acetylcholine receptor (nAChR) interactions. **2023**, 106743 ○
- 1 Antibodies Raised Against an A $\beta$  Oligomer Mimic Recognize Pathological Features in Alzheimer's Disease and Associated Amyloid-Disease Brain Tissue. ○