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Role of Glutamate and NMDA Receptors in Alzheimer's Disease

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#	Paper	IF	Citations
479	Therapeutics of Neurotransmitters in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2017 , 57, 1049-1069	4.3	97
478	A Critical Assessment of Research on Neurotransmitters in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2017 , 57, 969-974	4.3	19
477	The Mechanisms of Action of Curcumin in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2017 , 58, 1003-1016	4.3	116
476	Caffeine Neuroprotective Mechanism Against Amyloid Neurotoxicity in SHSY5Y Cell Line: Involvement of Adenosine, Ryanodine, and N-Methyl-D-Aspartate Receptors. 2017 , 7, 579-584		6
475	Dynamic Causal Modeling of Preclinical Autosomal-Dominant Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2018 , 65, 697-711	4.3	14
474	Personalized therapy in a GRIN1 mutated girl with intellectual disability and epilepsy. 2018 , 27, 18-20		4
473	A Brief Review on the Neuroprotective Mechanisms of Vitexin. 2018 , 2018, 4785089		21
472	Risk Factors and Pathogenesis of HIV-Associated Neurocognitive Disorder: The Role of Host Genetics. 2018 , 19,		26
471	Cerebrospinal fluid neurogranin/βsite APP-cleaving enzyme 1 predicts cognitive decline in preclinical Alzheimer's disease. 2018 , 4, 617-627		17
470	The Akt pathway in oncology therapy and beyond (Review). 2018 , 53, 2319-2331		93
469	Elevated Glutamate and Glutamine Levels in the Cerebrospinal Fluid of Patients With Probable Alzheimer's Disease and Depression. 2018 , 9, 561		62
468	Cellular Redox Imbalance and Neurochemical Effect in Cognitive-Deficient Old Rats. 2018 , 8,		2
467	Investigating the Interactive Effects of Sex Steroid Hormones and Brain-Derived Neurotrophic Factor during Adolescence on Hippocampal NMDA Receptor Expression. 2018 , 2018, 7231915		10
466	Current progress, challenges and future prospects of diagnostic and therapeutic interventions in Alzheimer's disease.. 2018 , 8, 23780-23804		70
465	Possible prophylactic anti-excitotoxic and anti-oxidant effects of virgin coconut oil on aluminium chloride-induced Alzheimer's in rat models. 2018 , 17, 593-607		15
464	A Novel Tetramethylpyrazine Derivative Prophylactically Protects against Glutamate-Induced Excitotoxicity in Primary Neurons through the Blockage of -Methyl-D-aspartate Receptor. 2018 , 9, 73		14
463	In silico Structure-based Identification of Novel Acetylcholinesterase Inhibitors Against Alzheimer's Disease. 2018 , 17, 54-68		20

462	Brain Distribution and Modulation of Neuronal Excitability by Indicaxanthin From Administered at Nutritionally-Relevant Amounts. 2018 , 10, 133	14
461	Role of Plant-Derived Flavonoids and Their Mechanism in Attenuation of Alzheimer's and Parkinson's Diseases: An Update of Recent Data. 2018 , 23,	45
460	Changes of Protein Phosphorylation Are Associated with Synaptic Functions during the Early Stage of Alzheimer's Disease. 2019 , 10, 3986-3996	5
459	The basis of cellular and regional vulnerability in Alzheimer's disease. 2019 , 138, 729-749	31
458	Mouse induced pluripotent stem cells-derived Alzheimer's disease cerebral organoid culture and neural differentiation disorders. 2019 , 711, 134433	12
457	Exploring Structure-Activity Relationship in Tacrine-Squaramide Derivatives as Potent Cholinesterase Inhibitors. 2019 , 9,	14
456	D-glutamate, D-serine, and D-alanine differ in their roles in cognitive decline in patients with Alzheimer's disease or mild cognitive impairment. 2019 , 185, 172760	26
455	Tuberculous meningitis in children is characterized by compartmentalized immune responses and neural excitotoxicity. 2019 , 10, 3767	28
454	Cu Binding Properties of N-Truncated A β Peptides: In Search of Biological Function. 2019 , 58, 13561-13577	23
453	Allosteric Modulators of Potential Targets Related to Alzheimer's Disease: a Review. 2019 , 14, 1467-1483	3
452	Harnessing ionic mechanisms to achieve disease modification in neurodegenerative disorders. 2019 , 147, 104343	4
451	Antioxidant activity of phenylethanoid glycosides on glutamate-induced neurotoxicity. 2019 , 83, 2016-2026	12
450	Effect of ceftriaxone on paired-pulse response and long-term potentiation of hippocampal dentate gyrus neurons in rats with Alzheimer-like disease. 2019 , 238, 116969	10
449	Cajaninstilbene Acid Ameliorates Cognitive Impairment Induced by Intrahippocampal Injection of Amyloid- β Oligomers. 2019 , 10, 1084	12
448	. 2019 ,	
447	Prionoid Proteins in the Pathogenesis of Neurodegenerative Diseases. 2019 , 12, 271	15
446	Genome-Wide Methylation of Mild Cognitive Impairment in Mexican Americans Highlights Genes Involved in Synaptic Transport, Alzheimer's Disease-Precursor Phenotypes, and Metabolic Morbidities. <i>Journal of Alzheimer's Disease</i> , 2019 , 72, 733-749	4-3 9
445	Targeting the NO/cGMP/CREB Phosphorylation Signaling Pathway in Alzheimer's Disease. 2019 ,	1

444	The Glutamatergic System. 2019 , 155-198		
443	Role of GPCR signaling and calcium dysregulation in Alzheimer's disease. 2019 , 101, 103414		13
442	Identification of an ERK Inhibitor as a Therapeutic Drug Against Tau Aggregation in a New Cell-Based Assay. 2019 , 13, 386		9
441	Neuroglia in Neurodegenerative Diseases. 2019 ,		7
440	Current and Emerging Pharmacological Targets for the Treatment of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2019 , 72, S145-S176	4-3	19
439	Behavioral, Neurochemical and Brain Oscillation Abnormalities in an Experimental Model of Acute Liver Failure. 2019 , 401, 117-129		4
438	A Fully Integrated Spintip-Based Approach for Sensitive and Quantitative Profiling of Region-Resolved in Vivo Brain Glycoproteome. 2019 , 91, 9181-9189		9
437	Rosmarinic acid suppresses Alzheimer's disease development by reducing amyloid β aggregation by increasing monoamine secretion. 2019 , 9, 8711		51
436	Olfactory Training Prevents Olfactory Dysfunction Induced by Bulbar Excitotoxic Lesions: Role of Neurogenesis and Dopaminergic Interneurons. 2019 , 56, 8063-8075		10
435	Contribution of astrocytes to metabolic dysfunction in the Alzheimer's disease brain. 2019 , 400, 1113-1127		14
434	Can magnesium reduce central neurodegeneration in Alzheimer's disease? Basic evidences and research needs. 2019 , 126, 195-202		10
433	CRMP2-derived peptide ST2-104 (R9-CBD3) protects SH-SY5Y neuroblastoma cells against A β -induced neurotoxicity by inhibiting the pCRMP2/NMDAR2B signaling pathway. 2019 , 305, 28-39		9
432	Metabolomic Profiling of Cerebral Palsy Brain Tissue Reveals Novel Central Biomarkers and Biochemical Pathways Associated with the Disease: A Pilot Study. 2019 , 9,		11
431	The Role of NMDA Receptors in Alzheimer's Disease. 2019 , 13, 43		126
430	On the Etiopathogenesis and Pathophysiology of Alzheimer's Disease: A Comprehensive Theoretical Review. <i>Journal of Alzheimer's Disease</i> , 2019 , 68, 417-437	4-3	13
429	Oligomeric A β in the monkey brain impacts synaptic integrity and induces accelerated cortical aging. 2019 ,		41
428	The Metabolic Interplay between Cancer and Other Diseases. 2019 , 5, 809-821		14
427	The Puzzling Role of Neuron-Specific PMCA Isoforms in the Aging Process. 2019 , 20,		6

426	Current and emerging therapeutic targets of alzheimer's disease for the design of multi-target directed ligands. 2019 , 10, 2052-2072	30
425	Exploring the Role of P2X Receptors in Alzheimer's Disease. 2019 , 10, 1330	13
424	The Role of Leptin and Adiponectin in Obesity-Associated Cognitive Decline and Alzheimer's Disease. 2018 , 12, 1027	71
423	News about non-secretory exocytosis: mechanisms, properties, and functions. 2019 , 11, 736-746	4
422	NMDA receptor in the hippocampus alters neurobehavioral phenotypes through inflammatory cytokines in rats with sporadic Alzheimer-like disease. 2019 , 202, 52-61	32
421	Microtubule-dependent processes precede pathological calcium influx in excitotoxin-induced axon degeneration. 2020 , 152, 542-555	5
420	Phosphorylation Signaling in APP Processing in Alzheimer's Disease. 2019 , 21,	22
419	Reduction in the neuronal surface of post and presynaptic GABA receptors in the hippocampus in a mouse model of Alzheimer's disease. 2020 , 30, 554-575	11
418	Einblick in die Erforschung von Alzheimer [Eine furherbergreifende Unterrichtseinheit. 2020 , 27, 13-21	
417	Geriatric Pharmacology. 2020 , 102-136	
416	Amyloid Peptide: the Cell Compartment Multi-faceted Interaction in Alzheimer's Disease. 2020 , 37, 250-263	21
415	The Proteome of the Dentate Terminal Zone of the Perforant Path Indicates Presynaptic Impairment in Alzheimer Disease. 2020 , 19, 128-141	9
414	FTY720 in CNS injuries: Molecular mechanisms and therapeutic potential. 2020 , 164, 75-82	5
413	Dysfunctional proteins in neuropsychiatric disorders: From neurodegeneration to autism spectrum disorders. 2020 , 141, 104853	4
412	Toll-like receptors in Alzheimer's disease. 2020 , 348, 577362	13
411	The Dual Role of Glutamatergic Neurotransmission in Alzheimer's Disease: From Pathophysiology to Pharmacotherapy. 2020 , 21,	26
410	Brain Branched-Chain Amino Acids in Maple Syrup Urine Disease: Implications for Neurological Disorders. 2020 , 21,	8
409	A Review of Molecular Imaging of Glutamate Receptors. 2020 , 25,	14

408	Gene Expression of Disease-related Genes in Alzheimer's Disease is Impaired by Tau Aggregation. 2020 , 432, 166675	0
407	Setup and Validation of a Reliable Docking Protocol for the Development of Neuroprotective Agents by Targeting the Sigma-1 Receptor (S1R). 2020 , 21,	2
406	Intranasal exposure to ZnO nanoparticles induces alterations in cholinergic neurotransmission in rat brain. 2020 , 35, 100977	11
405	Calmodulin Binding Proteins and Alzheimer's Disease: Biomarkers, Regulatory Enzymes and Receptors That Are Regulated by Calmodulin. 2020 , 21,	15
404	How Can Hearing Loss Cause Dementia?. 2020 , 108, 401-412	57
403	ADSCs-derived extracellular vesicles alleviate neuronal damage, promote neurogenesis and rescue memory loss in mice with Alzheimer's disease. 2020 , 327, 688-702	18
402	Deciphering cellular transcriptional alterations in Alzheimer's disease brains. 2020 , 15, 38	13
401	Neurotoxicity in Gulf War Illness and the potential role of glutamate. 2020 , 80, 60-70	14
400	Glutamine Antagonist JHU-083 Normalizes Aberrant Hippocampal Glutaminase Activity and Improves Cognition in APOE4 Mice. <i>Journal of Alzheimer's Disease</i> , 2020 , 77, 437-447	4-3 7
399	Characterization of three-dimensional rat central nervous system culture maturation, with applications to monitor cholinergic integrity. 2020 , 36, e2976	
398	Sleep/Wake Behavior and EEG Signatures of the TgF344-AD Rat Model at the Prodromal Stage. 2020 , 21,	2
397	An In Vitro Model to Investigate the Role of in Type 2 Diabetes, Obesity, Alzheimer's Disease and Cardiometabolic Disease. 2020 , 21,	10
396	Direct chromatographic methods for enantioresolution of amino acids: recent developments. 2020 , 52, 849-862	8
395	Neurobiology of glycine transporters: From molecules to behavior. 2020 , 118, 97-110	6
394	Dysfunction of the Blood-Brain Barrier-A Key Step in Neurodegeneration and Dementia. 2020 , 12, 185	17
393	Building a Bridge Between NMDAR-Mediated Excitotoxicity and Mitochondrial Dysfunction in Chronic and Acute Diseases. 2021 , 41, 1413-1430	15
392	Alterations of STEP46 and STEP61 Expression in the Rat Retina with Age and AMD-Like Retinopathy Development. 2020 , 21,	2
391	Subchronic administration of auranofin reduced amyloid- β plaque pathology in a transgenic APP mouse model. 2020 , 1746, 147022	0

390	D-serine Ameliorates Motor and Cognitive Impairments in Amyloid 1-42 Injected Mice by Inhibiting JNK Signaling Pathway. 2020 , 109, 101852	5
389	Potential Drug Candidates to Treat TRPC6 Channel Deficiencies in the Pathophysiology of Alzheimer's Disease and Brain Ischemia. 2020 , 9,	6
388	Cerebrospinal fluid and serum d-serine concentrations are unaltered across the whole clinical spectrum of Alzheimer's disease. 2020 , 1868, 140537	8
387	Mitochondrial Calcium Deregulation in the Mechanism of Beta-Amyloid and Tau Pathology. 2020 , 9,	24
386	Cerebrolysin in the therapy of mild cognitive impairment and dementia due to Alzheimer's disease: 30 years of clinical use. 2021 , 41, 2775-2803	14
385	Association of Alcohol-Induced Loss of Consciousness and Overall Alcohol Consumption With Risk for Dementia. 2020 , 3, e2016084	9
384	Experimental Evidence of the Benefits of Acupuncture for Alzheimer's Disease: An Updated Review. 2020 , 14, 549772	8
383	Panax notoginseng saponins and their applications in nervous system disorders: a narrative review. 2020 , 8, 1525	5
382	Biomarkers: Our Path Towards a Cure for Alzheimer Disease. 2020 , 15, 1177271920976367	9
381	Modulation of Brain Hyperexcitability: Potential New Therapeutic Approaches in Alzheimer's Disease. 2020 , 21,	17
380	Comprehensive Review on Alzheimer's Disease: Causes and Treatment. 2020 , 25,	183
379	Common aspects between glaucoma and brain neurodegeneration. 2020 , 786, 108323	3
378	Sodium hydrogen exchanger 9 NHE9 (SLC9A9) and its emerging roles in neuropsychiatric comorbidity. 2020 , 183, 289-305	0
377	M1 muscarinic acetylcholine receptor dysfunction in moderate Alzheimer's disease pathology. 2020 , 2, fcaa058	5
376	Robust Sampling of Defective Pathways in Alzheimer's Disease. Implications in Drug Repositioning. 2020 , 21,	4
375	Selenium Restores Synaptic Deficits by Modulating NMDA Receptors and Selenoprotein K in an Alzheimer's Disease Model. 2021 , 35, 863-884	12
374	Chemokine CCL2 impairs spatial memory and cognition in rats via influencing inflammation, glutamate metabolism and apoptosis-associated genes expression- a potential mechanism for HIV-associated neurocognitive disorder. 2020 , 255, 117828	7
373	Tonic NMDA receptor signalling shapes endosomal organisation in mammalian cells. 2020 , 10, 9315	1

372	AMBAR, an Encouraging Alzheimer's Trial That Raises Questions. 2020 , 11, 459	6
371	The Novel Role of PPAR Alpha in the Brain: Promising Target in Therapy of Alzheimer's Disease and Other Neurodegenerative Disorders. 2020 , 45, 972-988	75
370	Discovery of small molecules for the treatment of Alzheimer's disease. 2020 , 289-322	0
369	PICALM rescues glutamatergic neurotransmission, behavioural function and survival in a Drosophila model of A β 2 toxicity. 2020 , 29, 2420-2434	2
368	Disruption of oligodendrocyte progenitor cells is an early sign of pathology in the triple transgenic mouse model of Alzheimer's disease. 2020 , 94, 130-139	31
367	GABAergic Inhibitory Interneuron Deficits in Alzheimer's Disease: Implications for Treatment. 2020 , 14, 660	27
366	Pathophysiological Mechanisms of Cognitive Impairment and Neurodegeneration by Infection. 2020 , 10,	7
365	5-Fluorouracil induced dysregulation of the microbiome-gut-brain axis manifesting as depressive like behaviors in rats. 2020 , 1866, 165884	11
364	Pulsed SILAM Reveals In Vivo Dynamics of Murine Brain Protein Translation. 2020 , 5, 13528-13540	1
363	Excitotoxicity, oxidative stress, and neuronal injury. 2020 , 795-810	
362	PCDH7 interacts with GluN1 and regulates dendritic spine morphology and synaptic function. 2020 , 10, 10951	2
361	C. elegans to model autophagy-related human disorders. 2020 , 172, 325-373	7
360	Multitarget Therapeutic Strategies for Alzheimer's Disease: Review on Emerging Target Combinations. 2020 , 2020, 5120230	34
359	Calpain-2 plays a pivotal role in the inhibitory effects of propofol against TNF- α -induced autophagy in mouse hippocampal neurons. 2020 , 24, 9287-9299	5
358	Nogo-A-targeting antibody promotes visual recovery and inhibits neuroinflammation after retinal injury. 2020 , 11, 101	8
357	Chronic Oral Palmitoylethanolamide Administration Rescues Cognitive Deficit and Reduces Neuroinflammation, Oxidative Stress, and Glutamate Levels in A Transgenic Murine Model of Alzheimer's Disease. 2020 , 9,	14
356	High Ethanol and Acetaldehyde Inhibit Glutamatergic Transmission in the Hippocampus of Aldh2-Knockout and C57BL/6N Mice: an In Vivo and Ex Vivo Analysis. 2020 , 37, 702-713	
355	Defective Mitochondrial Pyruvate Flux Affects Cell Bioenergetics in Alzheimer's Disease-Related Models. 2020 , 30, 2332-2348.e10	38

354	Management of Dementia-Related Psychosis, Agitation and Aggression: A Review of the Pharmacology and Clinical Effects of Potential Drug Candidates. 2020 , 34, 243-268	14
353	Exploring the Multi-Target Performance of Mitochondriotropic Antioxidants against the Pivotal Alzheimer's Disease Pathophysiological Hallmarks. 2020 , 25,	6
352	Improved synthetic route for the GluN2-specific NMDA receptor glycine site agonist AICP. 2020 , 61, 151653	0
351	Clinical trials of new drugs for Alzheimer disease. 2020 , 27, 18	209
350	Ifenprodil Attenuates Methamphetamine-Induced Behavioral Sensitization Through the GluN2B-PP2A-AKT Cascade in the Dorsal Striatum of Mice. 2020 , 45, 891-901	9
349	Glutamate affects cholesterol homeostasis within the brain via the up-regulation of CYP46A1 and ApoE. 2020 , 432, 152381	1
348	Renin-Angiotensin System and Alzheimer's Disease Pathophysiology: From the Potential Interactions to Therapeutic Perspectives. 2020 , 27, 484-511	10
347	Kynurenic Acid Levels are Increased in the CSF of Alzheimer's Disease Patients. 2020 , 10,	18
346	Neurodegenerative Diseases - Is Metabolic Deficiency the Root Cause?. 2020 , 14, 213	62
345	d-glutamate and Gut Microbiota in Alzheimer's Disease. 2020 , 21,	32
344	Dehydroeffusol Rescues Amyloid Induced Spatial Working Memory Deficit. 2020 , 75, 279-282	1
343	A Novel NMDA Receptor Antagonist Protects against Cognitive Decline Presented by Senescent Mice. 2020 , 12,	17
342	Recent advances in extracting phenolic compounds from food and their use in disease prevention and as cosmetics. 2021 , 61, 1130-1151	33
341	Anti-Amnesic and Neuroprotective Effects of Fluoroethylnormemantine in a Pharmacological Mouse Model of Alzheimer's Disease. 2021 , 24, 142-157	4
340	Innovations and revolutions in reducing retinal ganglion cell loss in glaucoma. 2021 , 16, 33-46	
339	Computational modeling of NMDA receptor response in Alzheimer's disease. 2021 , 27, 2183-2188	
338	Antioxidant, antimicrobial and neuroprotective effects of Octaviania asterosperma in vitro. 2020 , 12, 128-138	2
337	The impact of the microbiota-gut-brain axis on Alzheimer's disease pathophysiology. 2021 , 164, 105314	41

336	Genetic variants in glutamate-, A β and tau-related pathways determine polygenic risk for Alzheimer's disease. 2021 , 101, 299.e13-299.e21	3
335	Hippocampal hyperglutamatergic signaling matters: Early targeting glutamate neurotransmission as a preventive strategy in Alzheimer's disease: An Editorial Highlight for "Riluzole attenuates glutamatergic tone and cognitive decline in APP/PS1 mice" on page 513. 2021 , 156, 399-402	5
334	Preventive Effects of Continuous Betaine Intake on Cognitive Impairment and Aberrant Gene Expression in Hippocampus of 3xTg Mouse Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2021 , 79, 639-652	4-3 1
333	Early Mitochondrial Fragmentation and Dysfunction in a Drosophila Model for Alzheimer's Disease. 2021 , 58, 143-155	8
332	Multi-Target Drug Candidates for Multifactorial Alzheimer's Disease: AChE and NMDAR as Molecular Targets. 2021 , 58, 281-303	19
331	Serum D-serine levels are altered in early phases of Alzheimer's disease: towards a precocious biomarker. 2021 , 11, 77	11
330	Hippocampal Degeneration and Behavioral Impairment During Alzheimer-Like Pathogenesis Involves Glutamate Excitotoxicity. 2021 , 71, 1205-1220	5
329	Molecular mechanisms of neurodegeneration in the entorhinal cortex that underlie its selective vulnerability during the pathogenesis of Alzheimer's disease. 2021 , 10,	7
328	Nanodelivery of oxiracetam enhances memory, functional recovery and induces neuroprotection following concussive head injury. 2021 , 265, 139-230	0
327	Insulin Receptors and Intracellular Ca Form a Double-Negative Regulatory Feedback Loop Controlling Insulin Sensitivity. 2020 , 9, 598	1
326	PP2A-C may be a promising candidate for postmortem interval estimation. 2021 , 135, 837-844	0
325	Early Long-Term Memory Impairment and Changes in the Expression of Synaptic Plasticity-Associated Genes, in the McGill-R-Thy1-APP Rat Model of Alzheimer's-Like Brain Amyloidosis. 2020 , 12, 585873	2
324	Neuroprotective derivatives of tacrine that target NMDA receptor and acetyl cholinesterase - Design, synthesis and biological evaluation.	
323	Effects of vitamin E on neurodegenerative diseases: an update. 2021 , 81, 21-33	6
322	MethReg: estimating the regulatory potential of DNA methylation in gene transcription.	0
321	A β oligomers Dysregulate Calcium Homeostasis by Mechanosensitive Activation of AMPA and NMDA Receptors. 2021 , 12, 766-781	7
320	Absence of metabotropic glutamate receptor homolog(s) accelerates acetylcholine neurotransmission in <i>Caenorhabditis elegans</i> . 2021 , 746, 135666	3
319	Plasma d-glutamate levels for detecting mild cognitive impairment and Alzheimer's disease: Machine learning approaches. 2021 , 35, 265-272	7

318	Metabolic disorder in Alzheimer's disease. 2021 , 36, 781-813	3
317	High performance liquid chromatography determination of L-glutamate, L-glutamine and glycine content in brain, cerebrospinal fluid and blood serum of patients affected by Alzheimer's disease. 2021 , 53, 435-449	2
316	Molecular Genetics of Early- and Late-Onset Alzheimer's Disease. 2021 , 21, 43-52	4
315	Potential of Caffeine in Alzheimer's Disease-A Review of Experimental Studies. 2021 , 13,	14
314	Protriptyline improves spatial memory and reduces oxidative damage by regulating NFB-BDNF/CREB signaling axis in streptozotocin-induced rat model of Alzheimer's disease. 2021 , 1754, 147261	4
313	The Role of D-Amino Acids in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2021 , 80, 475-492	4-3 7
312	Machine Learning and Novel Biomarkers for the Diagnosis of Alzheimer's Disease. 2021 , 22,	18
311	Roles of Selenoproteins in Brain Function and the Potential Mechanism of Selenium in Alzheimer's Disease. 2021 , 15, 646518	14
310	Protective effects of peptide FK18 against neuro-excitotoxicity in SH-SY5Y cells. 2021 , 21, 451	2
309	Riluzole enhances the antitumor effects of temozolomide via suppression of MGMT expression in glioblastoma. 2020 , 134, 701-710	5
308	Memantine Usage for Management of Korsakoff Syndrome in the Setting of Chronic Alcohol Use and Unspecified Eating Disorder. 2021 , 13, e13846	
307	A human stem cell-derived test system for agents modifying neuronal N-methyl-D-aspartate-type glutamate receptor Ca-signalling. 2021 , 95, 1703-1722	1
306	Optimization of the Design and Operating Conditions of an Amperometric Biosensor for Glutamate Concentration Measurements in the Blood Plasma. 2021 , 33, 1299-1307	1
305	N-Substituted-3-alkoxy-derivatives of dextromethorphan are functional NMDA receptor antagonists in vivo: Evidence from an NMDA-induced seizure model in rats. 2021 , 203, 173154	
304	Neurodegenerative Pathways in Alzheimer's Disease: A Review. 2021 , 19, 679-692	5
303	System-Level Analysis of Alzheimer's Disease Prioritizes Candidate Genes for Neurodegeneration. 2021 , 12, 625246	1
302	rescues autistic-like behaviours in the BTBR T Itpr3/J mouse model of autism. 2021 , 23,	1
301	Recent Developments in New Therapeutic Agents against Alzheimer and Parkinson Diseases: In-Silico Approaches. 2021 , 26,	4

300	Opiooid receptor agonist, U50488H, inhibits pyroptosis through NLRP3 via the Ca/CaMKII/CREB signaling pathway and improves synaptic plasticity in APP/PS1 mice. 2021 , 24,	4
299	The Relevance of Amyloid β -Calmodulin Complexation in Neurons and Brain Degeneration in Alzheimer's Disease. 2021 , 22,	2
298	Personalizing the Care and Treatment of Alzheimer's Disease: An Overview. 2021 , 14, 631-653	
297	Recent Progress in the Drug Development for the Treatment of Alzheimer's Disease Especially on Inhibition of Amyloid-peptide Aggregation. 2021 , 21, 969-990	1
296	Biomarkers and Their Implications in Alzheimer's Disease: A Literature Review. 2021 , 000, 000-000	1
295	Potential role of medicinal plants against Alzheimer's disease. 2021 , 14, 138-140	0
294	Mitochondrial dysfunction in Alzheimer's disease: Opportunities for drug development. 2021 ,	4
293	The Organic Cation Transporter 2 Inhibitor Quinidine Modulates the Neuroprotective Effect of Nerve Growth Factor and Memantine on Cholinergic Neurons of the Basal Nucleus of Meynert in Organotypic Brain Slices. 2021 , 106, 390-399	1
292	Neuroprotective Natural Products for Alzheimer's Disease. 2021 , 10,	17
291	Dihydroactinidiolide regulates Nrf2/HO-1 expression and inhibits caspase-3/Bax pathway to protect SH-SY5Y human neuroblastoma cells from oxidative stress induced neuronal apoptosis. 2021 , 84, 53-63	3
290	Regulation of Melatonin and Neurotransmission in Alzheimer's Disease. 2021 , 22,	10
289	Mito-Tempo suppresses autophagic flux via the PI3K/Akt/mTOR signaling pathway in neuroblastoma SH-SY5Y cells. 2021 , 7, e07310	0
288	Selective Neuron Vulnerability in Common and Rare Diseases-Mitochondria in the Focus. 2021 , 8, 676187	4
287	Alix: A Candidate Serum Biomarker of Alzheimer's Disease. 2021 , 13, 669612	0
286	Peripheral and Central Glutamate Dyshomeostasis in Neurodegenerative Disorders. 2021 , 19, 1069-1089	3
285	Amyloid Beta-Mediated Changes in Synaptic Function and Spine Number of Neocortical Neurons Depend on NMDA Receptors. 2021 , 22,	1
284	Etiology of Neuroinflammatory Pathologies in Neurodegenerative Diseases: A Treatise. 2021 , 10, 123-137	2
283	17 β -Estradiol Rescued Immature Rat Brain against Glutamate-Induced Oxidative Stress and Neurodegeneration via Regulating Nrf2/HO-1 and MAP-Kinase Signaling Pathway. 2021 , 10,	4

282	Homocysteine and Age-Related Central Nervous System Diseases: Role of Inflammation. 2021 , 22,	3
281	Subcommissural Organ-Spondin-Derived Peptide Restores Memory in a Mouse Model of Alzheimer's Disease. 2021 , 15, 651094	1
280	A review of the mechanisms underlying selected comorbidities in Alzheimer's disease. 2021 , 73, 1565-1581	6
279	Host Directed Therapies for Tuberculous Meningitis. 5, 292	1
278	Reactive astrocytes: The nexus of pathological and clinical hallmarks of Alzheimer's disease. 2021 , 68, 101335	15
277	Decreased Glucose Metabolism and Glutamine Synthesis in the Retina of a Transgenic Mouse Model of Alzheimer's Disease. 2021 , 1	1
276	Hypothesis and Theory: Characterizing Abnormalities of Energy Metabolism Using a Cellular Platform as a Personalized Medicine Approach for Alzheimer's Disease. 2021 , 9, 697578	1
275	Hearing difficulty is linked to Alzheimer's disease by common genetic vulnerability, not shared genetic architecture. 2021 , 7, 17	0
274	The potential role of glial cells in driving the prion-like transcellular propagation of tau in tauopathies. 2021 , 14, 100242	3
273	Importance of Hydrogen Bonding: Structure-Activity Relationships of Ruthenium(III) Complexes with Pyridine-Based Ligands for Alzheimer's Disease Therapy. 2021 , 64, 10124-10138	3
272	The Biology and Pathobiology of Glutamatergic, Cholinergic, and Dopaminergic Signaling in the Aging Brain. 2021 , 13, 654931	9
271	Amyloid- β A double agent in Alzheimer's disease?. 2021 , 139, 111575	9
270	Lapatinib ditosylate rescues memory impairment in D-galactose/ovariectomized rats: Potential repositioning of an anti-cancer drug for the treatment of Alzheimer's disease. 2021 , 341, 113697	4
269	Risk Factors for Retinal Ganglion Cell Distress in Glaucoma and Neuroprotective Potential Intervention. 2021 , 22,	4
268	Activation of 5-HT 1b/d receptor restores the cognitive function by reducing glutamate release, deposition of β amyloid and TLR-4 pathway in the brain of scopolamine-induced dementia in rat. 2021 , 73, 1592-1598	0
267	Recent Progress on Biological Activity of Amaryllidaceae and Further Isoquinoline Alkaloids in Connection with Alzheimer's Disease. 2021 , 26,	5
266	NMDA Receptor Mediates the Anticonvulsant Effect of Hydroalcoholic Extract of in PTZ-Induced Seizure in Mice. 2021 , 2021, 6422451	1
265	Calcium Permeable-AMPA Receptors and Excitotoxicity in Neurological Disorders. 2021 , 15, 711564	9

264	TPEN attenuates amyloid- β -induced neuronal damage with changes in the electrophysiological properties of voltage-gated sodium and potassium channels. 2021 , 14, 124	0
263	Functional Neurophysiological Biomarkers of Early-Stage Alzheimer's Disease: A Perspective of Network Hyperexcitability in Disease Progression. <i>Journal of Alzheimer's Disease</i> , 2021 ,	4-3 2
262	Serum tyrosine is associated with better cognition in Lewy body dementia. 2021 , 1765, 147481	0
261	Neuroprotective Effects of Leaf Extract against HO/Glutamate-Induced Toxicity in Cultured Neuronal Cells and A β -Induced Toxicity in. 2021 , 10,	3
260	Cardiometabolic Modification of Amyloid Beta in Alzheimer's Disease Pathology. 2021 , 13, 721858	0
259	NMDARs Containing NR2B Subunit Do Not Contribute to the LTP Form of Hippocampal Plasticity: In Vivo Pharmacological Evidence in Rats. 2021 , 22,	
258	The Roles of Tetramethylpyrazine During Neurodegenerative Disease. 2021 , 39, 1665-1677	3
257	Characteristics of neural network changes in normal aging and early dementia: including the relationship between hearing loss and dementia.. 2021 , 64, 279-288	
256	Integrated Bioinformatics Analysis to Identify Alternative Therapeutic Targets for Alzheimer's Disease: Insights from a Synaptic Machinery Perspective. 2021 , 1	4
255	Systemic Inflammation Induced Changes in Protein Expression of ABC Transporters and Ionotropic Glutamate Receptor Subunit 1 in the Cerebral Cortex of Familial Alzheimer's Disease Mouse Model. 2021 , 110, 3953-3962	3
254	Motor cortical excitability and paired-associative stimulation-induced plasticity in amnesic mild cognitive impairment and Alzheimer's disease. 2021 , 132, 2264-2273	2
253	Uncovering the mechanism of the Shenzhi Jiannao formula against vascular dementia using a combined network pharmacology approach and molecular biology. 2021 , 90, 153637	4
252	Amyloid- β (1-42) peptide induces rapid NMDA receptor-dependent alterations at glutamatergic synapses in the entorhinal cortex. 2021 , 105, 296-309	0
251	Integrative Network-Based Analysis Reveals Gene Networks and Novel Drug Repositioning Candidates for Alzheimer Disease. 2021 , 7, e622	2
250	Research Progress on Mechanism of Neuroprotective Roles of Apelin-13 in Prevention and Treatment of Alzheimer's Disease. 2021 , 1	1
249	Micronutrients May Be a Unique Weapon Against the Neurotoxic Triad of Excitotoxicity, Oxidative Stress and Neuroinflammation: A Perspective. 2021 , 15, 726457	0
248	Inhibition of Histone Deacetylase 6 (HDAC6) as a therapeutic strategy for Alzheimer's disease: A review (2010-2020). 2021 , 226, 113874	4
247	Structure and biological action of analogs and derivatives of biogenic polyamines. 2021 , 16, 287-306	

246	Diagnosis and Treatment of Alzheimer's Disease:: An Update. 2021 , 7, 74-85	1
245	Revealing NOTCH-dependencies in synaptic targets associated with Alzheimer's disease. 2021 , 115, 103657	0
244	On the Common Journey of Neural Cells through Ischemic Brain Injury and Alzheimer's Disease. 2021 , 22,	4
243	Antiparkinsonian activity of new N-methyl-D-aspartate receptor ligands in the arecoline hyperkinesis test. 2021 , 406-412	1
242	Melatonin protects against methamphetamine-induced Alzheimer's disease-like pathological changes in rat hippocampus. 2021 , 148, 105121	2
241	Non-Canonical Roles of Tau and Their Contribution to Synaptic Dysfunction. 2021 , 22,	0
240	An Unrecognized Fundamental Relationship between Neurotransmitters: Glutamate Protects against Catecholamine Oxidation. 2021 , 10,	1
239	The neuroprotective potential of carotenoids in vitro and in vivo. 2021 , 91, 153676	7
238	Personalized brain models identify neurotransmitter receptor changes in Alzheimer's disease. 2021 ,	3
237	Role of neurotoxicants in the pathogenesis of Alzheimer's disease: a mechanistic insight. 2021 , 53, 1476-1501	1
236	Neuroprotective derivatives of tacrine that target NMDA receptor and acetyl cholinesterase - Design, synthesis and biological evaluation. 2021 , 19, 4517-4537	4
235	Acetylcholinesterase inhibitors for the treatment of Alzheimer's disease - a patent review (2016-present). 2021 , 31, 399-420	12
234	as candidate against excitotoxicity in retinal ganglion cells. 2021 , 12, 247-259	1
233	Olive Oil Polyphenols in Neurodegenerative Pathologies. 2020 , 1195, 77-91	6
232	Oligodendroglial Cells in Alzheimer's Disease. 2019 , 1175, 325-333	25
231	Effects of Peroxiredoxin 2 in Neurological Disorders: A Review of its Molecular Mechanisms. 2020 , 45, 720-730	8
230	Advances in Drug Therapy for Alzheimer's Disease. 2020 , 40, 999-1008	3
229	Huprines - An insight into the synthesis and biological properties. 2020 , 89, 999-1039	4

228	Axonal ER Ca ²⁺ Release Enhances Miniature, but Reduces Activity-Dependent Glutamate Release in a Huntington Disease Model.	2
227	Exploring the Pannexin 1 interactome: In silico cross-analyses with postsynaptic proteins and neuropsychiatric disorder susceptibility genes.	1
226	Structure, Function, and Pharmacology of Glutamate Receptor Ion Channels. 2021 , 73, 298-487	19
225	Synaptic plasticity in Alzheimer's disease and healthy aging. 2020 , 31, 245-268	17
224	Multifunctional Ligands Targeting Phosphodiesterase as the Future Strategy for the Symptomatic and Disease-Modifying Treatment of Alzheimer's Disease. 2020 , 27, 5351-5373	8
223	NMDA Receptor Antagonists: Repositioning of Memantine as a Multitargeting Agent for Alzheimer's Therapy. 2019 , 25, 3506-3518	56
222	Chinese Herbal Medicine Interventions in Neurological Disorder Therapeutics by Regulating Glutamate Signaling. 2020 , 18, 260-276	9
221	Role of Grin1/Nmdar1 in the Central Nervous System Diseases. 2020 , 18, 861-867	1
220	Current Status of Drug Targets and Emerging Therapeutic Strategies in the Management of Alzheimer's Disease. 2020 , 18, 883-903	3
219	Potential protective roles of phytochemicals on glutamate-induced neurotoxicity: A review. 2020 , 23, 1113-1123	3
218	The Effects of N-Methyl-D-Aspartate Receptor Blockade on Oxidative Status in Heart During Conditioning Maneuvers. 2019 , 20, 343-349	0
217	The Microbiome and Alzheimer's Disease: Potential and Limitations of Prebiotic, Synbiotic, and Probiotic Formulations. 2020 , 8, 537847	24
216	Leaf Extract Protects Against Glutamate-Induced Oxidative Toxicity in HT22 Hippocampal Neuronal Cells and Increases Stress Resistance Properties in. 2021 , 8, 634100	7
215	Pursuing the Complexity of Alzheimer's Disease: Discovery of Fluoren-9-Amines as Selective Butyrylcholinesterase Inhibitors and -Methyl-d-Aspartate Receptor Antagonists. 2020 , 11,	3
214	Alzheimer's Disease: An Overview of Major Hypotheses and Therapeutic Options in Nanotechnology. 2020 , 11,	5
213	Recent Progress on Branched-Chain Amino Acids in Obesity, Diabetes, and Beyond. 2019 , 34, 234-246	41
212	Effect of valproic acid on oxidative stress parameters of glutamate-induced excitotoxicity in SH-SY5Y cells. 2020 , 20, 1321-1328	5
211	Alzheimer's Disease: A short introduction to the calmodulin hypothesis. 2019 , 6, 231-239	7

210	Alzheimer's Disease and Its Potential Alternative Therapeutics. 2019 , 9,	6
209	Computational Assessment and Pharmacological Property Breakdown of Eight Patented and Candidate Drugs against Four Intended Targets in Alzheimer's Disease. 2019 , 10, 405-430	7
208	Pathophysiological Ionotropic Glutamate Signalling in Neuroinflammatory Disease as a Therapeutic Target. 2021 , 15, 741280	1
207	Alzheimer's disease clinical trial update 2019-2021. 2021 , 1	6
206	DMSO Delays Alzheimer Disease Causing A β -Induced Paralysis in Through Modulation of Glutamate/Acetylcholine Neurotransmission. 2021 , 28, 55-64	0
205	Structural characterization of polysaccharide purified from <i>Hericium erinaceus</i> fermented mycelium and its pharmacological basis for application in Alzheimer's disease: Oxidative stress related calcium homeostasis. 2021 , 193, 358-369	1
204	Emerging roles of dysregulated adenosine homeostasis in brain disorders with a specific focus on neurodegenerative diseases. 2021 , 28, 70	2
203	Design and synthesis of novel tacrine-dipicolylamine dimers that are multiple-target-directed ligands with potential to treat Alzheimer's disease. 2021 , 116, 105387	0
202	Arbutin attenuates monosodium L-glutamate induced neurotoxicity and cognitive dysfunction in rats. 2021 , 151, 105217	0
201	Protective action of the extract of blueberry leaves against glutamate excitotoxicity on neurons of the rat cerebral cortex. 2018 , 1, e00045	
200	Neurotransmitter Systems. 2019 , 369-399	
199	A contemporary view of the possibilities of preventing dementia. 2019 , 52-58	0
198	Insulin Receptors and Intracellular Ca ²⁺ Form a Double-Negative Regulatory Feedback Loop Controlling Insulin Sensitivity. 2020 , 9, 598	0
197	Arginine and Arginine-Rich Peptides as Modulators of Protein Aggregation and Cytotoxicity Associated With Alzheimer's Disease. 2021 , 14, 759729	3
196	Therapeutic potential of quinazoline derivatives for Alzheimer's disease: A comprehensive review. 2022 , 227, 113949	5
195	An Interactive Review on the Role of Tocotrienols in the Neurodegenerative Disorders. 2021 , 8, 754086	2
194	Can Ketogenic Diet Improve Alzheimer's Disease? Association With Anxiety, Depression, and Glutamate System. 2021 , 8, 744398	3
193	Glutamate and GABA in Microglia-Neuron Cross-Talk in Alzheimer's Disease. 2021 , 22,	1

192	Insights into the Pathogenesis of Neurodegenerative Diseases: Focus on Mitochondrial Dysfunction and Oxidative Stress. 2021 , 22,	7
191	Inhibition of Soluble Epoxide Hydrolase Is Protective against the Multiomic Effects of a High Glycemic Diet on Brain Microvascular Inflammation and Cognitive Dysfunction. 2021 , 13,	3
190	Heart Activity and Cognition. 2020 , 429-444	
189	Memantine for Behavioral Symptoms of Hepatic Encephalopathy Associated With Alcoholic Cirrhosis: A Case Report. 2021 , 41, 85-86	1
188	Host Directed Therapies for Tuberculous Meningitis.. 2020 , 5, 292	1
187	The association between blood lymphocyte NMDAR, group I mGluRs and cognitive function changes in occupationally aluminum-exposed workers and verification in rats. 2022 , 69, 126875	0
186	Dementia: Alzheimer's Disease. 2021 , 397-457	
185	Heart Activity and Cognition. 2020 , 1-16	
184	The analysis of quantal characteristics of spontaneous evoked excitatory post synaptic potential in long-term depression of glutamatergic neurotransmission between cultured hippocampal neurons. 2020 , 80, 25-30	
183	Deciphering cellular transcriptional alterations in Alzheimer's disease brains.	
182	Symptomatic, Genetic, and Mechanistic Overlaps between Autism and Alzheimer's Disease. 2021 , 11,	2
181	Metabolomic and lipidomic signatures in autosomal dominant and late-onset Alzheimer disease brains.	0
180	N-Methyl-D-aspartate (NMDA) and cannabinoid CB receptors form functional complexes in cells of the central nervous system: insights into the therapeutic potential of neuronal and microglial NMDA receptors. 2021 , 13, 184	4
179	Lifestyle Factors, Mitochondrial Dynamics, and Neuroprotection.	1
178	Alzheimer's Disease Neuroprotection: Associated Receptors.	
177	Mathematical Modelling of Magnesium Block-Driven NMDA Receptor Response in CA1 Pyramidal Neuron for Alzheimer's Disease. 2021 , 91-100	
176	Evaluation of the effects of donepezil, memantine and fipoic acid combined administration in amnesia rats on impaired cognitive functions in terms of behavioural, apoptotic, cholinergic and glutamatergic systems.	
175	The landscape of metabolic brain alterations in Alzheimer's disease.	1

174	Deficits in N-Methyl-D-Aspartate Receptor Function and Synaptic Plasticity in Hippocampal CA1 in APP/PS1 Mouse Model of Alzheimer's Disease.. 2021 , 13, 772980	3
173	Isoliquiritigenin Alleviates Semen Strychni-Induced Neurotoxicity by Restoring the Metabolic Pathway of Neurotransmitters in Rats. 2021 , 12, 762290	0
172	Positron Emission Tomography in Animal Models of Alzheimer's Disease Amyloidosis: Translational Implications. 2021 , 14,	6
171	Decision-Making Support for People With Alzheimer's Disease: A Narrative Review. 2021 , 12, 750803	0
170	Role of Receptors in Relation to Plaques and Tangles in Alzheimer's Disease Pathology. 2021 , 22,	2
169	A mechanistic survey of Alzheimer's disease. 2021 , 281, 106735	2
168	The peculiar role of vitamin D in the pathophysiology of cardiovascular and neurodegenerative diseases. 2021 , 289, 120193	4
167	Insights from Olfactory Vector Hypothesis to Doorway to Alzheimer's Disease Diagnosis and Therapeutics.	
166	Biomarker-Driven Analysis Using High-Throughput Approaches in Neuroinflammation and Neurodegenerative Diseases.. 2021 , 1339, 51-58	0
165	Nanocarrier mediated drug delivery as an impeccable therapeutic approach against Alzheimer's disease.. 2022 , 343, 528-528	5
164	Pharmacological Management of Apathy in Dementia.. 2022 , 1	0
163	Effects of DISC1 on Alzheimer's disease cell models assessed by iTRAQ proteomic analysis.. 2022 ,	2
162	Induced Pluripotent Stem Cells for Treatment of Alzheimer's and Parkinson's Diseases.. 2022 , 10,	0
161	The Transglutaminase-2 Interactome in the APP23 Mouse Model of Alzheimer's Disease.. 2022 , 11,	0
160	MethReg: estimating the regulatory potential of DNA methylation in gene transcription.. 2022 ,	0
159	Immune abnormalities and differential gene expression in the hippocampus and peripheral blood of patients with Alzheimer's disease.. 2022 , 10, 29	0
158	Current understandings and perspectives of petroleum hydrocarbons in Alzheimer's disease and Parkinson's disease: a global concern.. 2022 , 29, 10928	0
157	Inhibition of Ferroptosis Attenuates Glutamate Excitotoxicity and Nuclear Autophagy In A CLP Septic Mouse Model.. 2022 ,	3

156	Naturally Occurring Antioxidant Therapy in Alzheimer's Disease.. 2022 , 11,		4
155	Amyloid- β oligomers in the nucleus accumbens decrease motivation via insertion of calcium-permeable AMPA receptors.. 2022 ,		1
154	New therapeutic opportunities for Alzheimer disease.		
153	NMDA mediates disruption of blood-brain barrier permeability via Rho/ROCK signaling pathway.. 2022 , 154, 105278		1
152	N-methyl-d-aspartate Receptor-mediated Preconditioning Mitigates Excitotoxicity in Human induced Pluripotent Stem Cell-derived Brain Organoids.. 2021 , 484, 83-83		2
151	Machine learning prediction and tau-based screening identifies potential Alzheimer's disease genes relevant to immunity.. 2022 , 5, 125		2
150	Effect of copper oxide nanoparticles on gene expression of NMDA receptor. 2021 , 29, 60-66		
149	Phytochemicals as Micronutrients: What Is their Therapeutic Promise in the Management of Alzheimer's Disease?. 2022 , 277-308		
148	Research Progress on Neuroprotection of Insulin-like Growth Factor-1 towards Glutamate-Induced Neurotoxicity.. 2022 , 11,		0
147	A Machine Learning-Based Holistic Approach to Predict the Clinical Course of Patients within the Alzheimer's Disease Spectrum.. <i>Journal of Alzheimer's Disease</i> , 2021 ,	4-3	1
146	The Impact of the hAPP695SW Transgene and Associated Amyloid- β Accumulation on Murine Hippocampal Biochemical Pathways.. <i>Journal of Alzheimer's Disease</i> , 2021 ,	4-3	0
145	Anti-Alzheimer's activity of Methanolic Tender Green Pod Extract of <i>Cyamopsis tetragonoloba</i> (L.) Taub. on Scopamine Induced Amnesia in mice. 2022 , 18,		
144	Hydrogen Ion Dynamics as the Fundamental Link between Neurodegenerative Diseases and Cancer: Its Application to the Therapeutics of Neurodegenerative Diseases with Special Emphasis on Multiple Sclerosis.. 2022 , 23,		1
143	Dietary Polyphenols as Therapeutic Intervention for Alzheimer's Disease: A Mechanistic Insight.. 2022 , 11,		3
142	Amyloid β PKC-dependent alterations in NMDA receptor composition are detected in early stages of Alzheimer's disease.. 2022 , 13, 253		1
141	Impairments of glutamatergic synaptic transmission in Alzheimer's disease.. 2022 ,		0
140	Bicarbonate-Independent Sodium Conductance of Na/HCO ₃ Cotransporter NBCn1 Decreases NMDA Receptor Function. 2022 , 44, 1284-1293		0
139	Eugenitol ameliorates memory impairments in 5XFAD mice by reducing A β plaques and neuroinflammation.. 2022 , 148, 112763		0

138	Discovery of novel donepezil-M30D hybrids with neuroprotective properties for Alzheimer's disease treatment. 1	1
137	A Network Pharmacology Based Research on the Mechanism of Donepezil in Treating Alzheimer's Disease.. 2022, 14, 822480	
136	Current Drug Targets in Alzheimer's Associated Memory Impairment: A Comprehensive Review.. 2022,	2
135	Integrated Approach on UPLC-QTOF/MS Based Active Plasma Component and Metabolomics Analysis of Gan Mai Da Zao Decoction on the Treatment of Alzheimer's Disease in Rats Plasma and Urine. 2022, 103879	0
134	Protective effect of Celastrus paniculatus on cognitive function in glutamate induced brain injured mice by reducing the intracellular influx of Ca.. 2022,	
133	Influence of perinatal deltamethrin exposure at distinct developmental stages on motor activity, learning and memory.. 2022, 236, 113460	0
132	Targeting Brain Renin-Angiotensin System for the prevention and treatment of Alzheimer's disease: past, present and future.. 2022, 101612	3
131	Overcoming undesirable hERG affinity by incorporating fluorine atoms: A case of MAO-B inhibitors derived from 1'H-pyrrolo-[3,2-c]quinolines.. 2022, 236, 114329	2
130	Effects of Specific Inhibitors for CaMK1D on a Primary Neuron Model for Alzheimer's Disease.. 2021, 26,	1
129	Applications and Challenges of Machine Learning Methods in Alzheimer's Disease Multi-Source Data Analysis.. 2021, 22, 564-582	1
128	Regulated cell death: discovery, features and implications for neurodegenerative diseases.. 2021, 19, 120	3
127	Role of NMDA Receptors in Alzheimer's Disease Pathology and Potential NMDA Receptor Blockers from Medicinal Plants - A Review. 2021, 13, 321	
126	The Modulation of Glutamatergic Signaling as a Potential Therapeutic Strategy for Major Depression. 2022, 337-357	
125	Experimental modelling of Alzheimer's disease for therapeutic screening. 2022, 100044	
124	Editorial: Modulation of NMDA Receptors: From Bench Side to Clinical Applications in Psychiatry.. 2022, 13, 896327	0
123	Cerebral Glutamate Regulation and Receptor Changes in Perioperative Neuroinflammation and Cognitive Dysfunction.. 2022, 12,	1
122	Image_1.JPEG. 2018,	
121	Image_1.TIF. 2019,	

120	Image_2.TIF. 2019,	
119	Image_3.TIF. 2019,	
118	Data_Sheet_1.PDF. 2018,	
117	DataSheet_1.zip. 2019,	
116	Fluoride Induced Neurobehavioral Impairments in Experimental Animals: a Brief Review.. 2022,	0
115	NMDA receptor antagonists engender neuroprotection against gp120-induced cognitive dysfunction in Rats through Modulation of PKR activation, oxidative stress, ER stress and IRE1 β Signal Pathway.. 2022,	0
114	Oligodendrocyte death and myelin loss in the cuprizone model: an updated overview of the intrinsic and extrinsic causes of cuprizone demyelination.. 2022, 17, 34	2
113	Pharmacogenetics of Donepezil and Memantine in Healthy Subjects. 2022, 12, 788	
112	On-chip Testing of a Carbon-based Platform for Electro-adsorption of Glutamate. 2022, e09445	
111	A novel approach to type 3 diabetes mechanism: The interplay between noncoding RNAs and insulin signaling pathway in Alzheimer's disease.. 2022,	0
110	Asymmetric dysregulation of glutamate dynamics across the synaptic cleft in a mouse model of Alzheimer disease.	
109	The Development of Novel Drug Treatments for Stroke Patients: A Review. 2022, 23, 5796	1
108	PET Imaging in Animal Models of Alzheimer's Disease. 2022, 16,	
107	Nobiletin as a Neuroprotectant against NMDA Receptors: An In Silico Approach. 2022, 14, 1123	3
106	Glutamate Efflux across the BloodBrain Barrier: New Perspectives on the Relationship between Depression and the Glutamatergic System. 2022, 12, 459	2
105	Advances in PSMA theranostics. 2022, 22, 101450	0
104	Artificial Intelligence and Circulating Cell-Free DNA Methylation Profiling: Mechanism and Detection of Alzheimer's Disease. 2022, 11, 1744	1
103	High frequency repetitive transcranial magnetic stimulation alleviates cognitive deficits in 3xTg-AD mice by modulating the PI3K/Akt/GLT-1 Axis. 2022, 54, 102354	1

102	Targeting the Cation-Chloride Co-Transporter NKCC1 to Re-Establish GABAergic Inhibition and an Appropriate Excitatory/Inhibitory Balance in Selective Neuronal Circuits: A Novel Approach for the Treatment of Alzheimer's Disease. 2022 , 12, 783	1
101	Sirt1 protects against hippocampal atrophy and its induced cognitive impairment in middle-aged mice. 2022 , 23,	1
100	Evaluation of (rac)-, (R)- and (S)-18F-OF-NB1 for imaging GluN2B subunit-containing N-methyl-D-aspartate receptors in non-human primates. jnumed.122.263977	1
99	Systematic assessment of pathophysiological mechanisms and their interrelation in progression of Alzheimer's disease. 2022 , 8, 105-112	
98	Health benefits of astaxanthin against age-related diseases of multiple organs: A comprehensive review. 1-66	1
97	Evolution of Alzheimer's disease research from a health-tech perspective: Insights from text mining. 2022 , 2, 100089	0
96	Infection-Induced Systemic Inflammation and Dementia. 2022 , 31-61	
95	NMDA receptor antagonists as potential therapy in cerebellar degenerative disorders. 2022 , 16, 58-69	
94	NMDA receptor antagonists reduce amyloid- β deposition by modulating calpain-1 signaling and autophagy, rescuing cognitive impairment in 5XFAD mice. 2022 , 79,	1
93	Ketamine plus Alcohol: What We Know and What We Can Expect about This. 2022 , 23, 7800	0
92	Transient neuroinflammation following surgery contributes to long-lasting cognitive decline in elderly rats via dysfunction of synaptic NMDA receptor. 2022 , 19,	1
91	Isolation and characterization of neurotoxic astrocytes derived from adult triple transgenic Alzheimer's disease mice. 2022 , 105403	0
90	Brain Neural Underpinnings of Interoception and Decision-Making in Alzheimer's Disease: A Narrative Review. 16,	0
89	NMDA receptors mediate synaptic plasticity impairment of hippocampal neurons due to arsenic exposure. 2022 ,	
88	Pridopidine Promotes Synaptogenesis and Reduces Spatial Memory Deficits in the Alzheimer's Disease APP/PS1 Mouse Model.	0
87	Symptomatic and Disease-Modifying Therapy Pipeline for Alzheimer's Disease: Towards a Personalized Polypharmacology Patient-Centered Approach. 2022 , 23, 9305	0
86	Development and Validation of [3H]OF-NB1 for Preclinical Assessment of GluN1/2B Candidate Drugs. 2022 , 15, 960	1
85	EAAT2 as a therapeutic research target in Alzheimer's disease: A systematic review. 16,	1

- 84 Identification of small molecules against the NMDAR: an insight from virtual screening, density functional theory, free energy landscape and molecular dynamics simulation-based findings. **2022**, 11,
- 83 An insight into the iPSCs-derived two-dimensional culture and three-dimensional organoid models for neurodegenerative disorders. **2022**, 12, 0
- 82 The promising role of natural products in Alzheimer's disease. **2022**, 7, 100049 1
- 81 Targeting NMDA Receptors at the Neurovascular Unit: Past and Future Treatments for Central Nervous System Diseases. **2022**, 23, 10336 3
- 80 A systematic review on drugs for synaptic plasticity in the treatment of dementia. **2022**, 81, 101726 1
- 79 Platinum nanoparticle-based microreactors protect against the behavioral and neurobiological consequences of chronic stress exposure. **2022**, 190, 1-11 0
- 78 The Association Between Dextromethorphan Use and the Risk of Dementia. **2022**, 37, 153331752211249 0
- 77 Synaptic Effects of Palmitoylethanolamide in Neurodegenerative Disorders. **2022**, 12, 1161 1
- 76 Discovery of novel neuroprotective cinnamoyl-M30D hybrids targeting Alzheimer's disease. **2022**, 31, 1974-1989 0
- 75 Migraine Pharmacological Treatment and Cognitive Impairment: Risks and Benefits. **2022**, 23, 11418 0
- 74 The MK2 cascade mediates transient alteration in mGluR-LTD and spatial learning in a murine model of Alzheimer's disease. 0
- 73 Different modes of synaptic and extrasynaptic NMDA receptor alteration in the hippocampus of P301S tau transgenic mice. 0
- 72 Novel Multipotent Amantadine/M30D Hybrids with Highly Selective Butyrylcholinesterase Inhibition and Neuroprotective Effects as Effective Anti-Alzheimer's Agents. **2022**, 13, 2681-2698 0
- 71 Stable CSF neurogranin and BACE1 levels differentiate predementia Alzheimer's disease patients. 0
- 70 Multi-Target Mechanisms of Phytochemicals in Alzheimer's Disease: Effects on Oxidative Stress, Neuroinflammation and Protein Aggregation. **2022**, 12, 1515 1
- 69 Therapeutic properties of multi-cannabinoid treatment strategies for Alzheimer's disease. 16, 3
- 68 Microtransplantation of Postmortem Native Synaptic mGluRs Receptors into Xenopus Oocytes for Their Functional Analysis. **2022**, 12, 931 0
- 67 Kynurenine-3-monooxygenase (KMO): From its biological functions to therapeutic effect in diseases progression. 1

66	Roles of traditional chinese medicine regulating neuroendocrinology on AD treatment. 13,	0
65	Neuroprotective effect of phytoconstituents via nanotechnology for treatment of Alzheimer diseases. 2022 , 351, 638-655	1
64	Astaxanthin Protection against Neuronal Excitotoxicity via Glutamate Receptor Inhibition and Improvement of Mitochondrial Function. 2022 , 20, 645	2
63	Glial cell reactivity and oxidative stress prevention in Alzheimer's disease mice model by an optimized NMDA receptor antagonist. 2022 , 12,	0
62	Citrate shuttling in astrocytes is required for processing cocaine-induced neuron-derived excess peroxidated fatty acids. 2022 , 105407	0
61	Feeding the Brain: Effect of Nutrients on Cognition, Synaptic Function, and AMPA Receptors. 2022 , 14, 4137	1
60	Thymoquinone-rich black cumin oil attenuates ibotenic acid-induced excitotoxicity through glutamate receptors in Wistar rats. 2022 ,	0
59	Amyloid- β -42 oligomers enhance mGlu5R-dependent synaptic weakening via NMDAR activation and complement C3aR/C5aR signaling.	0
58	Cognitive Impairment in Tuberculous Meningitis.	0
57	Guanidine-based β -amyloid precursor protein cleavage enzyme 1 (BACE-1) inhibitors for the Alzheimer's disease (AD): A review. 2022 , 74, 117047	1
56	Impaired Visual Inhibition in Amnesic Mild Cognitive Impairment. 155005942211368	0
55	The amplification of CNS damage in Alzheimer's disease due to SARS-CoV2 infection. 2022 , 61, 152057	0
54	The effects and potential of microglial polarization and crosstalk with other cells of the central nervous system in the treatment of Alzheimer's disease. 2023 , 18, 947	0
53	Roles of metabotropic glutamate receptor 8 in neuropsychiatric and neurological disorders. 2022 ,	0
52	Hypothesis on ontogenesis and pathophysiology of Alzheimer's disease. 2022 , 20,	0
51	Marine Natural Products from the Russian Pacific as Sources of Drugs for Neurodegenerative Diseases. 2022 , 20, 708	1
50	Interdisciplinary Approaches to Deal with Alzheimer's Disease From Bench to Bedside: What Feasible Options Do Already Exist Today?. 2022 , 10, 2922	0
49	Prebiotic supplementation modulates selective effects of stress on behavior and brain metabolome in aged mice. 2022 , 21, 100501	0

48	Exploration of the Gut-Brain Axis through Metabolomics Identifies Serum Propionic Acid Associated with Higher Cognitive Decline in Older Persons. 2022 , 14, 4688	0
47	Palliative symptom and disease management. 2023 , 71-183	0
46	Modifiable risk factors of dementia linked to excitation-inhibition imbalance. 2023 , 83, 101804	0
45	Physiological Roles of β -Amyloid in Regulating Synaptic Function: Implications for AD Pathophysiology.	1
44	Alzheimer's disease and depression in the elderly: A trajectory linking gut microbiota and serotonin signaling. 13,	1
43	Mushroom Natural Products in Neurodegenerative Disease Drug Discovery. 2022 , 11, 3938	0
42	Current Pharmacotherapy and Multi-Target Approaches for Alzheimer's Disease. 2022 , 15, 1560	2
41	PICALM and Alzheimer's Disease: An Update and Perspectives. 2022 , 11, 3994	1
40	Combining Aperiodic 1/f Slopes and Brain Simulation: An EEG/MEG Proxy Marker of Excitation/Inhibition Imbalance in Alzheimer's Disease.	0
39	Effects of N-methyl-D-aspartate receptor knockdown and hypoxia/reoxygenation injury on the neuronal proteome and transcriptome. 15,	0
38	Modelling Alzheimer's Disease Using Human Brain Organoids: Current Progress and Challenges. 1-35	0
37	Glutamatergic Neurotransmission: A Potential Pharmacotherapeutic Target for the Treatment of Cognitive Disorders. 2023 , 101838	1
36	When the microbiome helps the brain-current evidence.	1
35	Early Mitochondrial Defects in the 5xFAD Mouse Model of Alzheimer's Disease. 2023 , 1-16	0
34	AD Blank Spot Model for Evaluation of Alzheimer's Disease. 2023 , 1-29	0
33	Seeing Neurodegeneration in a New Light Using Genetically Encoded Fluorescent Biosensors and iPSCs. 2023 , 24, 1766	0
32	Lipopolysaccharide induced neuroprotective effects of bacterial protease against Alzheimer's disease in male Wistar albino rats. 2023 , 230, 123260	0
31	Evaluation of anti-Alzheimer activity of Echinacea purpurea extracts in aluminum chloride-induced neurotoxicity in rat model. 2023 , 128, 102234	0

- 30 Targeting the overexpressed mitochondrial protein VDAC1 in a mouse model of Alzheimer's disease protects against mitochondrial dysfunction and mitigates brain pathology. **2022**, 11, 1
- 29 Cognitive Healthy Aging in Mice: Boosting Memory by an Ergothioneine-Rich *Herichium erinaceus* Primordium Extract. **2023**, 12, 196 0
- 28 Glutamate and glutamate receptors in vagus nerve pathways and in Alzheimer's disease. **2023**, 115-130 0
- 27 Etiology and Clinical Significance of Network Hyperexcitability in Alzheimer's Disease: Unanswered Questions and Next Steps. **2023**, 1-15 0
- 26 Asymmetric dysregulation of glutamate dynamics across the synaptic cleft in a mouse model of Alzheimer's disease. **2023**, 11, 0
- 25 Stigmasterol isolated from *Azadirachta indica* flowers attenuated glutamate-induced neurotoxicity via downregulation of the Cdk5/p35/p25 signaling pathway in the HT-22 cells. **2023**, 113, 154728 0
- 24 900 MHz electromagnetic field exposure relieved AD-like symptoms on APP/PS1 mice: A potential non-invasive strategy for AD treatment. **2023**, 658, 97-106 0
- 23 Ganmaidazao decoction alleviated cognitive impairment on Alzheimer's disease rats by regulating gut microbiota and their corresponding metabolites. **2023**, 16, 104688 0
- 22 The endoplasmic reticulum stress and unfolded protein response in Alzheimer's disease: A calcium dyshomeostasis perspective. **2023**, 87, 101914 0
- 21 Aberrant protein S-nitrosylation contributes to hyperexcitability-induced synaptic damage in Alzheimer's disease: Mechanistic insights and potential therapies. 17, 0
- 20 Metabotropic glutamate receptor 1 alpha: a unique receptor variant with variable implications for Alzheimer's disease pathogenesis. **2023**, 18, 2196 0
- 19 Metabolic Syndrome as a Risk Factor for Alzheimer's Disease: A Focus on Insulin Resistance. **2023**, 24, 4354 0
- 18 Identification and in silicon binding study of a novel NR2B selective NMDAR antagonist. **2023**, 85, 129213 0
- 17 The NMDA receptor antagonists memantine and ketamine as anti-migraine agents. 0
- 16 Alzheimer's disease as a synaptopathy: Evidence for dysfunction of synapses during disease progression. 15, 0
- 15 Photobiomodulation in Alzheimer's Disease: A Complementary Method to State-of-the-Art Pharmaceutical Formulations and Nanomedicine?. **2023**, 15, 916 0
- 14 Shared peripheral blood biomarkers for Alzheimer's disease, major depressive disorder, and type 2 diabetes and cognitive risk factor analysis. **2023**, 9, e14653 0
- 13 Deep Learning to Detect the Function of Calmodulin in Alzheimer's Disease. 36, 720-725 0

- 12 Current Drug Treatments in Alzheimer's Disease. 36, 297-302 ○
- 11 Current drug treatments in Alzheimer's disease. 36, 1492-1498 ○
- 10 Patient-specific multi-modal modeling uncovers neurotransmitter receptor involvement in motor and non-motor axes of Parkinson's disease. ○
- 9 Exploration and Clinical Verification of the Blood Co-Expression Genes of Type 2 Diabetes Mellitus and Mild Cognitive Dysfunction in the Elderly. **2023**, 11, 993 ○
- 8 Cobalt induces neurodegeneration through FTO-triggered autophagy impairment by targeting TSC1 in an m6A-YTHDF2-dependent manner. **2023**, 453, 131354 ○
- 7 Role of TPEN in Amyloid- β 5-Induced Neuronal Damage Correlating with Recovery of Intracellular Zn²⁺ and Intracellular Ca²⁺ Overloading. ○
- 6 Acai Berry (*Euterpe* sp.) Extracts Are Neuroprotective against L-Glutamate-Induced Toxicity by Limiting Mitochondrial Dysfunction and Cellular Redox Stress. **2023**, 13, 1019 ○
- 5 Multitargeted Virtual Screening and Molecular Simulation of Natural Product-like Compounds against GSK3 β -NMDA-Receptor, and BACE-1 for the Management of Alzheimer's Disease. **2023**, 16, 622 ○
- 4 Effects of Polyphenols on changes in the transport of Ca²⁺ NMDA-receptors under the influence of L-glutamate. **2023**, 1205-1213 ○
- 3 Leveraging the glymphatic and meningeal lymphatic systems as therapeutic strategies in Alzheimer's disease: an updated overview of nonpharmacological therapies. **2023**, 18, ○
- 2 Urinary 1H NMR Metabolomic Analysis of Prenatal Maternal Stress Due to a Natural Disaster Reveals Metabolic Risk Factors for Non-Communicable Diseases: The QF2011 Queensland Flood Study. **2023**, 13, 579 ○
- 1 Alcohol-drinking during later life by C57BL/6J mice induces sex- and age-dependent changes in hippocampal and prefrontal cortex expression of glutamate receptors and neuropathology markers. **2023**, 7, 100099 ○