Citation Report
List of articles citing

Gut microbiome alterations in Alzheimers disease

DOI: 10.1038/s41598-017-13601-y
Scientific Reports, 2017, 7, 13537.

#	Paper	IF	Citations
997	Does the microbiome and virome contribute to myalgic encephalomyelitis/chronic fatigue syndrome?. **2018**, 132, 523-542		25
996	Mind-altering with the gut: Modulation of the gut-brain axis with probiotics. **2018**, 56, 172-182		85
995	Nutritional modulation of the intestinal microbiota; future opportunities for the prevention and treatment of neuroimmune and neuroinflammatory disease. **2018**, 61, 1-16		31
994	Vascular Cognitive Impairment and the Gut Microbiota. **2018**, 63, 1209-1222		14
993	The Microbiome in Neurodegenerative Disease. **2018**, 7, 81-91		5
992	Bacteroidetes Neurotoxins and Inflammatory Neurodegeneration. **2018**, 55, 9100-9107		43
991	Gut-Bioreactor and Human Health in Future. **2018**, 58, 3-7		5
990	Good Bug, Bad Bug: Breaking through Microbial Stereotypes. **2018**, 23, 10-13		33
989	Dysbiosis of gut microbiota and microbial metabolites in Parkinson's Disease. **2018**, 45, 53-61		130
988	Microbiome-Derived Lipopolysaccharide (LPS) Selectively Inhibits Neurofilament Light Chain (NF-L) Gene Expression in Human Neuronal-Glial (HNG) Cells in Primary Culture. **2018**, 12, 896		13
987	Lactobacillus helveticus KLDS1.8701 alleviates d-galactose-induced aging by regulating Nrf-2 and gut microbiota in mice. **2018**, 9, 6586-6598		40
986	Probiotics for Preventing Cognitive Impairment in Alzheimer□ Disease. **2018**,		5
985	Bioactive Food Abates Metabolic and Synaptic Alterations by Modulation of Gut Microbiota in a Mouse Model of Alzheimer's Disease. **2018**, 66, 1657-1682		31
984	An Investigation Into Physical Frailty as a Link Between the Gut Microbiome and Cognitive Health. **2018**, 10, 398		27
983	Amyloid, tau, pathogen infection and antimicrobial protection in Alzheimer's disease -conformist, nonconformist, and realistic prospects for AD pathogenesis. **2018**, 7, 34		52
982	The gut microbiota-derived metabolite trimethylamine N-oxide is elevated in Alzheimer's disease. **2018**, 10, 124		156
981	Microbiome-The Missing Link in the Gut-Brain Axis: Focus on Its Role in Gastrointestinal and Mental Health. **2018**, 7,		51

980	The intestinal microbiome and Alzheimer's disease: A review. **2018**, 1, 180-188	28
979	Iron Dysregulation and Dormant Microbes as Causative Agents for Impaired Blood Rheology and Pathological Clotting in Alzheimer's Type Dementia. **2018**, 12, 851	15
978	The Gut-Microglia Connection: Implications for Central Nervous System Diseases. **2018**, 9, 2325	51
977	Inflammation: the link between comorbidities, genetics, and Alzheimer's disease. **2018**, 15, 276	186
976	Alterations in gut bacterial and fungal microbiomes are associated with bacterial Keratitis, an inflammatory disease of the human eye. **2018**, 43, 835-856	27
975	Peripheral immune system in aging and Alzheimer's disease. **2018**, 13, 51	81
974	Microglia in neurodegeneration. **2018**, 21, 1359-1369	506
973	Surgery, neuroinflammation and cognitive impairment. **2018**, 37, 547-556	100
972	Reader response: Nutrients and bioactives in green leafy vegetables and cognitive decline: Prospective study. **2018**, 91, 489	
971	Effects of Quercetin Intervention on Cognition Function in APP/PS1 Mice was Affected by Vitamin D Status. **2018**, 62, e1800621	24
970	Integrative analysis of gut microbiota composition, host colonic gene expression and intraluminal metabolites in aging C57BL/6J mice. **2018**, 10, 930-950	29
969	Gut microbiota, cognitive frailty and dementia in older individuals: a systematic review. **2018**, 13, 1497-1511	90
968	Phylogenetic Diversity and Conservation Evaluation: Perspectives on Multiple Values, Indices, and Scales of Application. **2018**, 1-26	14
967	Microglial signatures and their role in health and disease. **2018**, 19, 622-635	287
966	Emerging Role of Diet and Microbiota Interactions in Neuroinflammation. **2018**, 9, 2067	22
965	Gut Microbiota is Altered in Patients with Alzheimer's Disease. **2018**, 63, 1337-1346	284
964	Interplay among gut microbiota, intestinal mucosal barrier and enteric neuro-immune system: a common path to neurodegenerative diseases?. **2018**, 136, 345-361	103
963	Alterations in the gut bacterial microbiome in fungal Keratitis patients. **2018**, 13, e0199640	43

962	Intestinal Bacterial Flora and Alzheimer Disease. **2018**, 50, 140-148	14
961	Altered Expression of Small Intestinal Drug Transporters and Hepatic Metabolic Enzymes in a Mouse Model of Familial Alzheimer's Disease. **2018**, 15, 4073-4083	13
960	Of Microbes and Minds: A Narrative Review on the Second Brain Aging. **2018**, 5, 53	47
959	Lipopolysaccharide Associates with Amyloid Plaques, Neurons and Oligodendrocytes in Alzheimer's Disease Brain: A Review. **2018**, 10, 42	126
958	Microbiome-Mediated Upregulation of MicroRNA-146a in Sporadic Alzheimer's Disease. **2018**, 9, 145	26
957	Changes of Colonic Bacterial Composition in Parkinson's Disease and Other Neurodegenerative Diseases. **2018**, 10,	126
956	Towards an Integrative Understanding of tRNA Aminoacylation-Diet-Host-Gut Microbiome Interactions in Neurodegeneration. **2018**, 10,	14
955	Perioperative use of cefazolin ameliorates postoperative cognitive dysfunction but induces gut inflammation in mice. **2018**, 15, 235	21
954	Dietary polyphenols: A novel strategy to modulate microbiota-gut-brain axis. **2018**, 78, 224-233	58
953	Making Sense of the Microbiome in Psychiatry. **2019**, 22, 37-52	94
952	Fecal microbiota transplantation alleviated Alzheimer's disease-like pathogenesis in APP/PS1 transgenic mice. **2019**, 9, 189	135
951	Specific changes in faecal microbiota are associated with familial Mediterranean fever. **2019**, 78, 1398-1404	5
950	The influence of the microbiota on immune development, chronic inflammation, and cancer in the context of aging. **2019**, 6, 324-334	26
949	Mild cognitive impairment has similar alterations as Alzheimer's disease in gut microbiota. **2019**, 15, 1357-1366	108
948	Alzheimer's disease: Neurotransmitters of the sleep-wake cycle. **2019**, 105, 72-80	16
947	Monocyte mobilisation, microbiota & mental illness. **2019**, 81, 74-91	21
946	Fecal metabolite of a gnotobiotic mouse transplanted with gut microbiota from a patient with Alzheimer's disease. **2019**, 83, 2144-2152	51
945	Re-thinking the Etiological Framework of Neurodegeneration. **2019**, 13, 728	32

944	Lactobacillus plantarum PS128 ameliorates 2,5-Dimethoxy-4-iodoamphetamine-induced tic-like behaviors via its influences on the microbiota-gut-brain-axis. **2019**, 153, 59-73		20
943	Implications of Diet and The Gut Microbiome in Neuroinflammatory and Neurodegenerative Diseases. **2019**, 20,		38
942	The Role of Bacteria in Personalized Nutrition. **2019**, 81-104		
941	Microbiota-gut brain axis involvement in neuropsychiatric disorders. **2019**, 19, 1037-1050		55
940	Faecal Transplantation, Pro- and Prebiotics in Parkinson's Disease; Hope or Hype?. **2019**, 9, S371-S379		15
939	Analysis of Salivary Microbiome in Patients with Alzheimer's Disease. **2019**, 72, 633-640		20
938	Neuroinflammation and the Gut Microbiota: Possible Alternative Therapeutic Targets to Counteract Alzheimer's Disease?. **2019**, 11, 284		56
937	Disease-directed engineering for physiology-driven treatment interventions in neurological disorders. **2019**, 3, 040901		8
936	The sex-specific interaction of the microbiome in neurodegenerative diseases. **2019**, 1724, 146385		11
935	The Microbiota-Gut-Brain Axis. **2019**, 99, 1877-2013		979
934	Gut microbiota and neurological effects of glyphosate. **2019**, 75, 1-8		32
933	Sodium oligomannate therapeutically remodels gut microbiota and suppresses gut bacterial amino acids-shaped neuroinflammation to inhibit Alzheimer's disease progression. **2019**, 29, 787-803		336
932	Olfactory dysfunction in the pathophysiological continuum of dementia. **2019**, 55, 100956		23
931	The microbiome: A target for Alzheimer disease?. **2019**, 29, 779-780		16
930	"Muscle-Gut-Brain Axis": Can Physical Activity Help Patients with Alzheimer's Disease Due to Microbiome Modulation?. **2019**, 71, 861-878		14
929	Microbiota signatures relating to reduced memory and exploratory behaviour in the offspring of overweight mothers in a murine model. *Scientific Reports*, **2019**, 9, 12609	4.9	21
928	Structural Insights into Curli CsgA Cross-Fibril Architecture Inspire Repurposing of Anti-amyloid Compounds as Anti-biofilm Agents. **2019**, 15, e1007978		30
927	Modified Mediterranean-ketogenic diet modulates gut microbiome and short-chain fatty acids in association with Alzheimer's disease markers in subjects with mild cognitive impairment. **2019**, 47, 529-542		157

926	Gut microbiome: An intermediary to neurotoxicity. **2019**, 75, 41-69		18
925	Time to test antibacterial therapy in Alzheimer's disease. **2019**, 142, 2905-2929		54
924	The Gut Microbiome and Mental Health: What Should We Tell Our Patients?: Le microbiote Intestinal et la Sant Mentale : que Devrions-Nous dire nos Patients?. **2019**, 64, 747-760		26
923	Homeostasis and dysbiosis of the gut microbiome in health and disease. **2019**, 44, 1		47
922	A review of the antimicrobial side of antidepressants and its putative implications on the gut microbiome. **2019**, 53, 1151-1166		13
921	Microglial Phagocytosis of Neurons: Diminishing Neuronal Loss in Traumatic, Infectious, Inflammatory, and Autoimmune CNS Disorders. **2019**, 10, 712		26
920	Alzheimer Disease: An Update on Pathobiology and Treatment Strategies. **2019**, 179, 312-339		721
919	Connect between gut microbiome and diseases of the human eye. **2019**, 44, 1		18
918	Analysis of the relationship between the gut microbiome and dementia: a cross-sectional study conducted in Japan. *Scientific Reports*, **2019**, 9, 1008	4.9	72
917	Draft Genome Sequence of Butyricimonas faecihominis 30A1, Isolated from Feces of a Japanese Alzheimer's Disease Patient. **2019**, 8,		2
916	Alzheimer's disease and symbiotic microbiota: an evolutionary medicine perspective. **2019**, 1449, 3-24		16
915	Dietary Protein and Amino Acid Intake: Links to the Maintenance of Cognitive Health. **2019**, 11,		14
914	Gut Microbiota Disorder, Gut Epithelial and Blood-Brain Barrier Dysfunctions in Etiopathogenesis of Dementia: Molecular Mechanisms and Signaling Pathways. **2019**, 21, 205-226		25
913	Altered microbiomes distinguish Alzheimer's disease from amnestic mild cognitive impairment and health in a Chinese cohort. **2019**, 80, 633-643		151
912	Alzheimer's Disease Microbiome Is Associated with Dysregulation of the Anti-Inflammatory P-Glycoprotein Pathway. **2019**, 10,		134
911	Sex-specific effects of microbiome perturbations on cerebral A amyloidosis and microglia phenotypes. **2019**, 216, 1542-1560		93
910	Modification of the gut microbiome to combat neurodegeneration. **2019**, 30, 795-805		16
909	Enzymatic Reactions Involving Ketyls: From a Chemical Curiosity to a General Biochemical Mechanism. **2019**, 58, 5221-5233		11

908	Gut microbiome interventions in human health and diseases. **2019**, 39, 2286-2313		27
907	Common miRNA Patterns of Alzheimer's Disease and Parkinson's Disease and Their Putative Impact on Commensal Gut Microbiota. **2019**, 13, 113		14
906	A review of the possible associations between ambient PM2.5 exposures and the development of Alzheimer's disease. **2019**, 174, 344-352		99
905	The role of gut microbiota in pathogenesis of Alzheimer's disease. **2019**, 127, 954-967		78
904	Gut microbes and behavior. **2019**, 28, 72-77		3
903	genotype influences the gut microbiome structure and function in humans and mice: relevance for Alzheimer's disease pathophysiology. **2019**, 33, 8221-8231		60
902	The Impact of Chronic Intestinal Inflammation on Brain Disorders: the Microbiota-Gut-Brain Axis. **2019**, 56, 6941-6951		26
901	Diet-Related Metabolic Perturbations of Gut Microbial Shikimate Pathway-Tryptamine-tRNA Aminoacylation-Protein Synthesis in Human Health and Disease. **2019**, 12, 1178646919834550		18
900	Functional Characterization of the ycjQRS Gene Cluster from Escherichia coli: A Novel Pathway for the Transformation of d-Gulosides to d-Glucosides. **2019**, 58, 1388-1399		4
899	Dysbiosis in Benign and Malignant Diseases of the Exocrine Pancreas. **2019**, 357-364		
898	Associations Between Gut Microbiota and Alzheimer's Disease: Current Evidences and Future Therapeutic and Diagnostic Perspectives. **2019**, 68, 25-31		14
897	Psychobiotics in mental health, neurodegenerative and neurodevelopmental disorders. **2019**, 27, 632-648		67
896	Role of the gut microbiota in the development of various neurological diseases. **2019**,		12
895	Gene-environment interactions determine risk for dementia: the influence of lifestyle on genetic risk for dementia. **2019**, 7, S322		1
894	Modified Huang-Lian-Jie-Du Decoction Ameliorates A Synaptotoxicity in a Murine Model of Alzheimer's Disease. **2019**, 2019, 8340192		13
893	Jatrorrhizine Balances the Gut Microbiota and Reverses Learning and Memory Deficits in APP/PS1 transgenic mice. *Scientific Reports*, **2019**, 9, 19575	4.9	18
892	Gut Microbiome and Modulation of CNS Function. **2019**, 10, 57-72		17
891	The relationship between the gut microbiome and mild cognitive impairment in patients without dementia: a cross-sectional study conducted in Japan. *Scientific Reports*, **2019**, 9, 19227	4.9	32

890	Calorie restriction slows age-related microbiota changes in an Alzheimer's disease model in female mice. *Scientific Reports*, **2019**, 9, 17904	4.9	47
889	Synergistic effects of APOE and sex on the gut microbiome of young EFAD transgenic mice. **2019**, 14, 47		17
888	Bottoms up: the role of gut microbiota in brain health. **2018**, 21, 3197		12
887	Considerations When Designing a Microbiome Study: Implications for Nursing Science. **2019**, 21, 125-141		12
886	The Gut-Brain Axis and the Microbiome: Mechanisms and Clinical Implications. **2019**, 17, 322-332		133
885	The role of the gut microbiota in development, function and disorders of the central nervous system and the enteric nervous system. **2019**, 31, e12684		95
884	Brain-Gut-Microbiota Axis in Alzheimer's Disease. **2019**, 25, 48-60		291
883	The Metabolic Response to a Low Amino Acid Diet is Independent of Diet-Induced Shifts in the Composition of the Gut Microbiome. *Scientific Reports*, **2019**, 9, 67	4.9	11
882	What is the Healthy Gut Microbiota Composition? A Changing Ecosystem across Age, Environment, Diet, and Diseases. **2019**, 7,		825
881	Current Perspectives and Mechanisms of Relationship between Intestinal Microbiota Dysfunction and Dementia: A Review. **2018**, 8, 360-381		8
880	Altered bile acid profile in mild cognitive impairment and Alzheimer's disease: Relationship to neuroimaging and CSF biomarkers. **2019**, 15, 232-244		95
879	Dietary Prevention of Colitis by Aronia Berry is Mediated Through Increased Th17 and Treg. **2019**, 63, e1800985		13
878	The intestinal microbiome and its relevance for functionality in older persons. **2019**, 22, 4-12		35
877	Exploring Human Bacterial Diversity Toward Prevention of Infectious Disease and Health Promotion. **2019**, 519-533		4
876	Could Alzheimer's Disease Originate in the Periphery and If So How So?. **2019**, 56, 406-434		31
875	Microbiome profiling reveals gut dysbiosis in a transgenic mouse model of Huntington's disease. **2020**, 135, 104268		70
874	Anorexia nervosa: Gut microbiota-immune-brain interactions. **2020**, 39, 676-684		41
873	Recent advances from metabolomics and lipidomics application in alzheimer's disease inspiring drug discovery. **2020**, 15, 319-331		7

872	Can oral health and oral-derived biospecimens predict progression of dementia?. **2020**, 26, 249-258	10
871	Establishment of the early-life microbiome: a DOHaD perspective. **2020**, 11, 201-210	22
870	Microbiota-Gut-Brain Axis: New Therapeutic Opportunities. **2020**, 60, 477-502	112
869	Transfer of a healthy microbiota reduces amyloid and tau pathology in an Alzheimer's disease animal model. **2020**, 69, 283-294	148
868	Outer membrane vesicles enhance tau phosphorylation and contribute to cognitive impairment. **2020**, 235, 4843-4855	17
867	Polyphenols in the management of brain disorders: Modulation of the microbiota-gut-brain axis. **2020**, 91, 1-27	17
866	Gut Microbiota: A Perspective for Psychiatrists. **2020**, 79, 50-62	52
865	The gut microbiome in neurological disorders. **2020**, 19, 179-194	265
864	Gut Microbiota: From the Forgotten Organ to a Potential Key Player in the Pathology of Alzheimer's Disease. **2020**, 75, 1232-1241	40
863	The microbiota-immune axis as a central mediator of gut-brain communication. **2020**, 136, 104714	56
862	The role of microbiota in tissue repair and regeneration. **2020**, 14, 539-555	8
861	Reproductive Senescence and Ischemic Stroke Remodel the Gut Microbiome and Modulate the Effects of Estrogen Treatment in Female Rats. **2020**, 11, 812-830	20
860	Effect of Clostridium butyricum against Microglia-Mediated Neuroinflammation in Alzheimer's Disease via Regulating Gut Microbiota and Metabolites Butyrate. **2020**, 64, e1900636	61
859	The microbiome-gut-brain axis in acute and chronic brain diseases. **2020**, 61, 1-9	51
858	Expert insights: The potential role of the gut microbiome-bile acid-brain axis in the development and progression of Alzheimer's disease and hepatic encephalopathy. **2020**, 40, 1496-1507	21
857	What is the collective effect of aging and HIV on the gut microbiome?. **2020**, 15, 94-100	6
856	Associations between gut microbiota and Alzheimer's disease, major depressive disorder, and schizophrenia. **2020**, 17, 288	26
855	Metabolic Defects Caused by High-Fat Diet Modify Disease Risk through Inflammatory and Amyloidogenic Pathways in a Mouse Model of Alzheimer's Disease. **2020**, 12,	9

854	Gut Microbiota and Epilepsy: A Systematic Review on Their Relationship and Possible Therapeutics. **2020**, 11, 3488-3498		12
853	Gut-Brain Axis: Role of Gut Microbiota on Neurological Disorders and How Probiotics/Prebiotics Beneficially Modulate Microbial and Immune Pathways to Improve Brain Functions. **2020**, 21,		28
852	Extra-cranial factors in the development of Alzheimer's disease. **2020**, 1748, 147076		3
851	Short-Chain Fatty Acids and Lipopolysaccharide as Mediators Between Gut Dysbiosis and Amyloid Pathology in Alzheimer's Disease. **2020**, 78, 683-697		67
850	Potential Role for Herpesviruses in Alzheimer's Disease. **2020**, 78, 855-869		2
849	Diet, Microbiota and Brain Health: Unraveling the Network Intersecting Metabolism and Neurodegeneration. **2020**, 21,		16
848	Bidirectional gut-brain communication: A role for orexin-A. **2020**, 141, 104882		5
847	A Distinct Microbiome Signature in Posttreatment Lyme Disease Patients. **2020**, 11,		7
846	Energy intake and expenditure in patients with Alzheimer's disease and mild cognitive impairment: the NUDAD project. **2020**, 12, 116		9
845	Gut bacterial taxonomic abundances vary with cognition, personality, and mood in the Wisconsin Longitudinal Study. **2020**, 9, 100155		0
844	Relationship between Wine Consumption, Diet and Microbiome Modulation in Alzheimer's Disease. **2020**, 12,		12
843	Dysbiosis, gut barrier dysfunction and inflammation in dementia: a pilot study. **2020**, 20, 248		28
842	Sex Differences in the Gut-Brain Axis: Implications for Mental Health. **2020**, 22, 83		15
841	Can We Treat Neuroinflammation in Alzheimer's Disease?. **2020**, 21,		20
840	Modulation of Amyloid Fibril Formation in Alzheimer's Disease by Microglia and Infection. **2020**, 13, 609073		9
839	A meta-analysis of the effect of binge drinking on the oral microbiome and its relation to Alzheimer's disease. *Scientific Reports*, **2020**, 10, 19872	4.9	12
838	Dynamic Changes in the Gut Microbiome at the Acute Stage of Ischemic Stroke in a Pig Model. **2020**, 14, 587986		8
837	Danger-Sensing/Patten Recognition Receptors and Neuroinflammation in Alzheimer's Disease. **2020**, 21,		9

836	The roles of the gut microbiota-miRNA interaction in the host pathophysiology. **2020**, 26, 101	19
835	Complex Interaction between Resident Microbiota and Misfolded Proteins: Role in Neuroinflammation and Neurodegeneration. **2020**, 9,	13
834	Gut dysbiosis and age-related neurological diseases; an innovative approach for therapeutic interventions. **2020**, 226, 39-56	12
833	Gut microbes in neurocognitive and mental health disorders. **2020**, 52, 423-443	15
832	Microbial involvement in Alzheimer disease development and progression. **2020**, 15, 42	19
831	Systems Biology Approaches to Understand the Host-Microbiome Interactions in Neurodegenerative Diseases. **2020**, 14, 716	20
830	Gut dysbiosis contributes to amyloid pathology, associated with C/EBPβ/AEP signaling activation in Alzheimer's disease mouse model. **2020**, 6, eaba0466	47
829	The modulatory effect of plant polysaccharides on gut flora and the implication for neurodegenerative diseases from the perspective of the microbiota-gut-brain axis. **2020**, 164, 1484-1492	22
828	Identification of a Signaling Mechanism by Which the Microbiome Regulates Th17 Cell-Mediated Depressive-Like Behaviors in Mice. **2020**, 177, 974-990	21
827	Different effects of constitutive and induced microbiota modulation on microglia in a mouse model of Alzheimer's disease. **2020**, 8, 119	34
826	Gut Microbiota during Dietary Restrictions: New Insights in Non-Communicable Diseases. **2020**, 8,	11
825	Polyphenols, the new frontiers of prebiotics. **2020**, 94, 35-89	13
824	Neurodegeneration in juvenile Iberian pigs with diet-induced nonalcoholic fatty liver disease. **2020**, 319, E592-E606	7
823	Gut dysbiosis in Huntington's disease: associations among gut microbiota, cognitive performance and clinical outcomes. **2020**, 2, fcaa110	41
822	The Microbiome as a Modifier of Neurodegenerative Disease Risk. **2020**, 28, 201-222	35
821	Implications of the Human Gut-Brain and Gut-Cancer Axes for Future Nanomedicine. **2020**, 14, 14391-14416	13
820	Effects of Selenium- and Zinc-Enriched SeZi on Antioxidant Capacities and Gut Microbiome in an ICR Mouse Model. **2020**, 9,	3
819	Functional Foods: An Approach to Modulate Molecular Mechanisms of Alzheimer's Disease. **2020**, 9,	14

818	Prebiotic effects of yeast mannan, which selectively promotes Bacteroides thetaiotaomicron and Bacteroides ovatus in a human colonic microbiota model. *Scientific Reports*, **2020**, 10, 17351	4.9	15
817	Understanding the Immunologic Characteristics of Neurologic Manifestations of SARS-CoV-2 and Potential Immunological Mechanisms. **2020**, 57, 5263-5275		37
816	The Role of Microglia and the Nlrp3 Inflammasome in Alzheimer's Disease. **2020**, 11, 570711		33
815	Translational Roadmap for the Organs-on-a-Chip Industry toward Broad Adoption. **2020**, 7,		28
814	Gut Microbiota and Dysbiosis in Alzheimer's Disease: Implications for Pathogenesis and Treatment. **2020**, 57, 5026-5043		64
813	Gut metagenomics-derived genes as potential biomarkers of Parkinson's disease. **2020**, 143, 2474-2489		19
812	Gut mycobiome and its interaction with diet, gut bacteria and alzheimer's disease markers in subjects with mild cognitive impairment: A pilot study. **2020**, 59, 102950		35
811	Disease, Drugs and Dysbiosis: Understanding Microbial Signatures in Metabolic Disease and Medical Interventions. **2020**, 8,		3
810	A predictive index for health status using species-level gut microbiome profiling. **2020**, 11, 4635		33
809	Structural Change of Gut Microbiota in Patients with Post-Stroke Comorbid Cognitive Impairment and Depression and Its Correlation with Clinical Features. **2020**, 77, 1595-1608		11
808	Brain tumor diagnostic model and dietary effect based on extracellular vesicle microbiome data in serum. **2020**, 52, 1602-1613		3
807	Shining Light on Human Gut Bacteriophages. **2020**, 10, 481		21
806	Target Dysbiosis of Gut Microbes as a Future Therapeutic Manipulation in Alzheimer's Disease. **2020**, 12, 544235		19
805	Exercise combined with a probiotics treatment alters the microbiome, but moderately affects signalling pathways in the liver of male APP/PS1 transgenic mice. **2020**, 21, 807-815		10
804	Potential Role of Phosphoglycerol Dihydroceramide Produced by Periodontal Pathogen in the Pathogenesis of Alzheimer's Disease. **2020**, 11, 591571		2
803	The Gut-Brain Axis: How Microbiota and Host Inflammasome Influence Brain Physiology and Pathology. **2020**, 11, 604179		75
802	Correlation of gut microbiota and neurotransmitters in a rat model of post-traumatic stress disorder. **2020**, 7, 375-385		2
801	Urinary metabolic phenotyping for Alzheimer's disease. *Scientific Reports*, **2020**, 10, 21745	4.9	10

800	Adiponectin Role in Neurodegenerative Diseases: Focus on Nutrition Review. **2020**, 21,		3
799	The gut microbiome and psycho-cognitive traits. **2020**, 176, 123-140		0
798	Antibiotic-induced disruption of commensal microbiome linked to increases in binge-like ethanol consumption behavior. **2020**, 1747, 147067		6
797	The potential of human milk oligosaccharides to impact the microbiota-gut-brain axis through modulation of the gut microbiota. **2020**, 74, 104176		10
796	Do the Bugs in Your Gut Eat Your Memories? Relationship between Gut Microbiota and Alzheimer's Disease. **2020**, 10,		8
795	Genetic Factors of Alzheimer's Disease Modulate How Diet is Associated with Long-Term Cognitive Trajectories: A UK Biobank Study. **2020**, 78, 1245-1257		3
794	Probiotics ameliorate intestinal pathophysiology in a mouse model of Alzheimer's disease. **2020**, 92, 114-134		30
793	Gut microbiota perturbations and neurodevelopmental impacts in offspring rats concurrently exposure to inorganic arsenic and fluoride. **2020**, 140, 105763		8
792	Prodromal Intestinal Events in Alzheimer's Disease (AD): Colonic Dysmotility and Inflammation Are Associated with Enteric AD-Related Protein Deposition. **2020**, 21,		10
791	Relationship between dementia and gut microbiome-associated metabolites: a cross-sectional study in Japan. *Scientific Reports*, **2020**, 10, 8088	4.9	22
790	Synergistic depletion of gut microbial consortia, but not individual antibiotics, reduces amyloidosis in APPPS1-21 Alzheimer's transgenic mice. *Scientific Reports*, **2020**, 10, 8183	4.9	25
789	Impact of Acute and Chronic Amyloid-□Peptide Exposure on Gut Microbial Commensals in the Mouse. **2020**, 11, 1008		11
788	Human Gut-Microbiota Interaction in Neurodegenerative Disorders and Current Engineered Tools for Its Modeling. **2020**, 10, 297		18
787	Ketone production by ketogenic diet and by intermittent fasting has different effects on the gut microbiota and disease progression in an Alzheimer's disease rat model. **2020**, 67, 188-198		18
786	The Role of P2X7 Receptor in Alzheimer's Disease. **2020**, 13, 94		16
785	Elevated amyloidoses of human IAPP and amyloid beta by lipopolysaccharide and their mitigation by carbon quantum dots. **2020**, 12, 12317-12328		15
784	Targeting Infectious Agents as a Therapeutic Strategy in Alzheimer's Disease. **2020**, 34, 673-695		10
783	Insulin resistance and Alzheimer□ disease. **2020**, 249-292		0

782	Microbiota-gut-brain axis in health and disease: Is NLRP3 inflammasome at the crossroads of microbiota-gut-brain communications?. **2020**, 191, 101806	38
781	High-altitude Tibetan fermented milk ameliorated cognitive dysfunction by modified gut microbiota in Alzheimer's disease transgenic mice. **2020**, 11, 5308-5319	12
780	The Role of the Gastrointestinal Mucus System in Intestinal Homeostasis: Implications for Neurological Disorders. **2020**, 10, 248	36
779	Amyotrophic lateral sclerosis and intestinal microbiota-toward establishing cause and effect. **2020**, 11, 1833-1841	13
778	Gut Microbiome Alterations Precede Cerebral Amyloidosis and Microglial Pathology in a Mouse Model of Alzheimer's Disease. **2020**, 2020, 8456596	22
777	Chemical Toolbox to Decode the Microbiota Lexicon. **2020**, 15, 2117-2128	3
776	How microbiota shape microglial phenotypes and epigenetics. **2020**, 68, 1655-1672	22
775	The Links Between the Gut Microbiome, Aging, Modern Lifestyle and Alzheimer's Disease. **2020**, 10, 104	59
774	Bacterially produced metabolites protect C. elegans neurons from degeneration. **2020**, 18, e3000638	19
773	Fecal Microbiota Transplantation in Neurological Disorders. **2020**, 10, 98	98
772	An empirically derived method for measuring human gut microbiome alpha diversity: Demonstrated utility in predicting health-related outcomes among a human clinical sample. **2020**, 15, e0229204	24
771	Diverse effects of different Akkermansia muciniphila genotypes on Brown adipose tissue inflammation and whitening in a high-fat-diet murine model. **2020**, 147, 104353	14
770	Rapid improvement in Alzheimer's disease symptoms following fecal microbiota transplantation: a case report. **2020**, 48, 300060520925930	41
769	Prophylactic effect of physical exercise on A□nduced depressive-like behavior and gut dysfunction in mice. **2020**, 393, 112791	3
768	Update of the list of QPS-recommended biological agents intentionally added to food or feed as notified to EFSA 12: suitability of taxonomic units notified to EFSA until March 2020. **2020**, 18, e06174	51
767	Gut Microbiota: Implications in Alzheimer's Disease. **2020**, 9,	32
766	Periodontal Disease and Periodontal Disease-Related Bacteria Involved in the Pathogenesis of Alzheimer's Disease. **2020**, 13, 275-283	13
765	Lactic acid bacteria feeding reversed the malformed eye structures and ameliorated gut microbiota profiles of Drosophila melanogaster Alzheimer's Disease model. **2020**,	6

764	Cognitive-Behavioural Correlates of Dysbiosis: A Review. **2020**, 21,		6
763	The protective effect of Xanthoceras sorbifolia Bunge husks on cognitive disorder based on metabolomics and gut microbiota analysis. **2021**, 279, 113094		3
762	Effects of Probiotic Supplementation on Short Chain Fatty Acids in the AppNL-G-F Mouse Model of Alzheimer's Disease. **2020**, 76, 1083-1102		18
761	DR7 Modulated Bowel Movement and Gut Microbiota Associated with Dopamine and Serotonin Pathways in Stressed Adults. **2020**, 21,		18
760	Butyrate producing colonic Clostridiales metabolise human milk oligosaccharides and cross feed on mucin via conserved pathways. **2020**, 11, 3285		41
759	Glyphosate exposure induces inflammatory responses in the small intestine and alters gut microbial composition in rats. **2020**, 261, 114129		35
758	Age-Related Differences in the Gut Microbiome of Rhesus Macaques. **2020**, 75, 1293-1298		15
757	Precision medicine in perinatal depression in light of the human microbiome. **2020**, 237, 915-941		7
756	Fine particulate matter aggravates intestinal and brain injury and affects bacterial community structure of intestine and feces in Alzheimer's disease transgenic mice. **2020**, 192, 110325		18
755	Bidirectional interactions between curcumin and gut microbiota in transgenic mice with Alzheimer's disease. **2020**, 104, 3507-3515		36
754	Identification of plasmalogens in Bifidobacterium longum, but not in Bifidobacterium animalis. *Scientific Reports*, **2020**, 10, 427	4.9	9
753	Glucose signaling in the brain and periphery to memory. **2020**, 110, 100-113		6
752	Alteration of the gut microbiome in first-episode drug-naïve and chronic medicated schizophrenia correlate with regional brain volumes. **2020**, 123, 136-144		27
751	Natural products-based polypharmacological modulation of the peripheral immune system for the treatment of neuropsychiatric disorders. **2020**, 208, 107480		10
750	Molecular Tools to Detect Alloforms of A and Tau: Implications for Multiplexing and Multimodal Diagnosis of Alzheimer Disease. **2020**, 93, 507-546		20
749	Organ-On-A-Chip Models of the Brain and the Blood-Brain Barrier and Their Value to Study the Microbiota-Gut-Brain Axis in Neurodegeneration. **2019**, 7, 435		40
748	Gastrointestinal symptoms are predictive of trajectories of cognitive functioning in de novo Parkinson's disease. **2020**, 72, 7-12		18
747	Probiotics, prebiotics, and synbiotics for the treatment of dementia: Protocol for a systematic review. **2020**, 99, e18608		10

746	Microbial colonization history modulates anxiety-like and complex social behavior in mice. **2021**, 168, 64-75	5
745	Tryptophan metabolites modify brain A peptide degradation: A role in Alzheimer's disease?. **2020**, 190, 101800	11
744	Long-term combined administration of Bifidobacterium bifidum TMC3115 and Lactobacillus plantarum 45 alleviates spatial memory impairment and gut dysbiosis in APP/PS1 mice. **2020**, 367,	12
743	Investigation of Potential Brain Microbiome in Alzheimer's Disease: Implications of Study Bias. **2020**, 75, 559-570	10
742	Gut microbiota regulate cognitive deficits and amyloid deposition in a model of Alzheimer's disease. **2020**, 155, 448-461	18
741	Gut-organ axis: a microbial outreach and networking. **2021**, 72, 636-668	37
740	gutMEGA: a database of the human gut MEtaGenome Atlas. **2021**, 22,	9
739	Inflammatory bowel disease is associated with higher dementia risk: a nationwide longitudinal study. **2021**, 70, 85-91	62
738	Interactions Between the Aging Gut Microbiome and Common Geriatric Giants: Polypharmacy, Frailty, and Dementia. **2021**, 76, 1019-1028	11
737	Flavonoids as an Intervention for Alzheimer's Disease: Progress and Hurdles Towards Defining a Mechanism of Action. **2021**, 6, 167-192	11
736	The gut microbiota-brain axis in behaviour and brain disorders. **2021**, 19, 241-255	207
735	An integrated metagenomics and metabolomics approach implicates the microbiota-gut-brain axis in the pathogenesis of Huntington's disease. **2021**, 148, 105199	22
734	Gut Microbial Ecosystem in Parkinson Disease: New Clinicobiological Insights from Multi-Omics. **2021**, 89, 546-559	34
733	Understanding the impact of age-related changes in the gut microbiome on chronic diseases and the prospect of elderly-specific dietary interventions. **2021**, 70, 48-55	11
732	Effects of probiotics supplementation on dementia and cognitive impairment: A systematic review and meta-analysis of preclinical and clinical studies. **2021**, 108, 110189	12
731	Aging, Frailty, and the Microbiome-How Dysbiosis Influences Human Aging and Disease. **2021**, 160, 507-523	16
730	Human gut microbiota Agathobaculum butyriciproducens improves cognitive impairment in LPS-induced and APP/PS1 mouse models of Alzheimer's disease. **2021**, 86, 96-108	10
729	The impact of the microbiota-gut-brain axis on Alzheimer's disease pathophysiology. **2021**, 164, 105314	41

728	Protective Activity of A□on Cell Cultures (PC12 and THP-1 after Differentiation) Preincubated with Lipopolysaccharide (LPS). **2021**, 58, 1453-1464	7
727	Dysbiosis is one of the risk factor for stroke and cognitive impairment and potential target for treatment. **2021**, 164, 105277	15
726	Significance of vagus nerve function in terms of pathogenesis of psychosocial disorders. **2021**, 143, 104934	2
725	Does Gut Microbiota Influence the Course of Parkinson's Disease? A 3-Year Prospective Exploratory Study in de novo Patients. **2021**, 11, 159-170	6
724	Identification of Microbiota within A□Plaque in APP/PS1 Transgenic Mouse. **2021**, 71, 953-962	0
723	Role of gut-brain axis, gut microbial composition, and probiotic intervention in Alzheimer's disease. **2021**, 264, 118627	65
722	Microbiota modulation as preventative and therapeutic approach in Alzheimer's disease. **2021**, 288, 2836-2855	22
721	Emerging role of gut microbiota in modulation of neuroinflammation and neurodegeneration with emphasis on Alzheimer's disease. **2021**, 106, 110112	40
720	Gut microbiota interacts with intrinsic brain activity of patients with amnestic mild cognitive impairment. **2021**, 27, 163-173	21
719	Probiotics: Emerging functional ingredients for healthy aging and age-related diseases. **2021**, 175-212	1
718	Gut Microbiome and Diet. **2021**, 12-12	
717	Sleep, circadian rhythm and gut microbiota: alterations in Alzheimer's disease and their potential links in the pathogenesis. **2021**, 13, 1957407	5
716	Alterations in gut microbiota linked to provenance, sex, and chronic wasting disease in white-tailed deer (Odocoileus virginianus).	
715	The contribution of microbiota, cerebral blood flow, and sleep deprivation in the pathogenesis of Alzheimer□s disease. **2021**, 143-158	
714	Gut Microbiota in Brain diseases. **2021**, 253-253	
713	Gut Microbiota in Health and Diseases. **2021**,	
712	Evolution of the Human Diet and Its Impact on Gut Microbiota, Immune Responses, and Brain Health. **2021**, 13,	12
711	Understanding the host-microbe interactions using metabolic modeling. **2021**, 9, 16	16

710	Dysbiosis and Alzheimer's Disease: Cause or Treatment Opportunity?. **2021**, 1	8
709	Fecal Fungal Dysbiosis in Chinese Patients With Alzheimer's Disease. **2020**, 8, 631460	7
708	Antibacterials. **2021**,	
707	Altered Gut Microbial Metabolites in Amnestic Mild Cognitive Impairment and Alzheimer's Disease: Signals in Host-Microbe Interplay. **2021**, 13,	23
706	Psychobiotics: The Next-Generation Probiotics for the Brain. **2021**, 78, 449-463	6
705	Potential beneficial effects of Bifidobacterium breve A1 on cognitive impairment and psychiatric disorders. **2021**, 497-504	
704	Probiotics, prebiotics and their role in Alzheimer's disease. **2021**, 16, 1768-1769	0
703	Queuine, a bacterial derived hypermodified nucleobase, shows protection in in vitro models of neurodegeneration.	
702	The health aspects of hydrocolloids. **2021**, 75-91	
701	First evidence of altered microbiota and intestinal damage and their link to absence epilepsy in a genetic animal model, the WAG/Rij rat. **2021**, 62, 529-541	20
700	Multi-pathogen infections and Alzheimer's disease. **2021**, 20, 25	16
699	Molecular mechanisms of neurodegeneration in neuropsychiatric diseases. **2021**, 149-180	
698	The emerging roles of gut microbiome on neurotoxic outcomes: Implications for neurological disorders. **2021**, 319-344	
697	Insights on the modulatory role of Ayurveda-based herbal preparations on gut microbiome and neuroprotection. **2021**, 287-318	
696	References. **2021**, 217-268	
695	Microbiome changes in aging. **2021**, 367-389	
694	Roles of Gut Microbiota in the Regulation of Hippocampal Plasticity, Inflammation, and Hippocampus-Dependent Behaviors. **2020**, 10, 611014	12
693	Subgingival microbiota in a population with and without cognitive dysfunction. **2021**, 13, 1854552	8

692	Enabling rational gut microbiome manipulations by understanding gut ecology through experimentally-evidenced in silico models. **2021**, 13, 1965698	0
691	Immunoregulatory Effects of Tolerogenic Probiotics in Multiple Sclerosis. **2021**, 1286, 87-105	6
690	Gut dysbiosis in stroke and its implications on Alzheimer's disease-like cognitive dysfunction. **2021**, 27, 505-514	8
689	The interactions between gut and brain in psychiatric and neurological disorders. **2021**, 49-65	
688	A comprehensive review for gut microbes: technologies, interventions, metabolites and diseases. **2021**, 20, 42-60	11
687	Emerging Roles of Functional Bacterial Amyloids in Gene Regulation, Toxicity, and Immunomodulation. **2020**, 85,	9
686	Alzheimer's Disease and Diabetes: Role of Diet, Microbiota and Inflammation in Preclinical Models. **2021**, 11,	13
685	Huanglian Jiedu decoction remodels the periphery microenvironment to inhibit Alzheimer's disease progression based on the "brain-gut" axis through multiple integrated omics. **2021**, 13, 44	7
684	Implications of Breast Cancer Chemotherapy-Induced Inflammation on the Gut, Liver, and Central Nervous System. **2021**, 9,	6
683	Inflammation Spreading: Negative Spiral Linking Systemic Inflammatory Disorders and Alzheimer's Disease. **2021**, 15, 638686	1
682	Structural and Functional Dysbiosis of Fecal Microbiota in Chinese Patients With Alzheimer's Disease. **2020**, 8, 634069	22
681	Salivary A□Secretion and Altered Oral Microbiome in Mouse Models of AD. **2020**, 17, 1133-1144	3
680	Exploring the Potential Role of the Gut Microbiome in Chemotherapy-Induced Neurocognitive Disorders and Cardiovascular Toxicity. **2021**, 13,	8
679	The Role of Gut Bacterial Metabolites in Brain Development, Aging and Disease. **2021**, 13,	18
678	Crosstalk between Gut and Brain in Alzheimer's Disease: The Role of Gut Microbiota Modulation Strategies. **2021**, 13,	27
677	Gut Inflammation Induced by Dextran Sulfate Sodium Exacerbates Amyloid-□Plaque Deposition in the AppNL-G-F Mouse Model of Alzheimer's Disease. **2021**, 79, 1235-1255	5
676	Pivotal Role of the Interaction Between Herbal Medicines and Gut Microbiota on Disease Treatment. **2021**, 22, 336-346	2
675	Carrier Status and Gut Microbiota Dysbiosis in Patients With Alzheimer Disease. **2021**, 15, 619051	5

674	Ginsenoside Rg1 improves cognitive capability and affects the microbiota of large intestine of tree shrew model for Alzheimer's disease. **2021**, 23,	4
673	ProgPerm: Progressive permutation for a dynamic representation of the robustness of microbiome discoveries. **2021**, 22, 126	0
672	Quantitative systems pharmacology in neuroscience: Novel methodologies and technologies. **2021**, 10, 412-419	1
671	Angiotensin (1-7) Expressing Probiotic as a Potential Treatment for Dementia.. **2021**, 2,	0
670	Apolipoprotein E genotype-dependent nutrigenetic effects to prebiotic inulin for modulating systemic metabolism and neuroprotection in mice via gut-brain axis. **2021**, 1-11	5
669	Role of the gut microbiome in Alzheimer's disease. **2021**, 32, 767-789	5
668	Preoperative Microbiomes and Intestinal Barrier Function Can Differentiate Prodromal Alzheimer's Disease From Normal Neurocognition in Elderly Patients Scheduled to Undergo Orthopedic Surgery. **2021**, 11, 592842	3
667	Licensed Anti-Microbial Drugs Logical for Clinical Trials against Pathogens Currently Suspected in Alzheimer's Disease. **2021**, 10,	5
666	Diet and the Microbiota-Gut-Brain Axis: Sowing the Seeds of Good Mental Health. **2021**, 12, 1239-1285	29
665	Nano-Honokiol ameliorates the cognitive deficits in TgCRND8 mice of Alzheimer's disease via inhibiting neuropathology and modulating gut microbiota.. **2022**, 35, 231-243	2
664	Gut Microbiota Interaction with the Central Nervous System throughout Life. **2021**, 10,	15
663	Toll-like receptor 5 knock-out mice exhibit a specific low level of anxiety. **2021**, 93, 226-237	1
662	Gut Microbiome Features of Chinese Patients Newly Diagnosed with Alzheimer's Disease or Mild Cognitive Impairment. **2021**, 80, 299-310	14
661	Fermented Soy Products: Beneficial Potential in Neurodegenerative Diseases. **2021**, 10,	20
660	Approaching precision medicine by tailoring the microbiota. **2021**, 32, 206-222	
659	The trimebutine effect on Helicobacter pylori-related gastrointestinal tract and brain disorders: A hypothesis. **2021**, 144, 104938	4
658	Tryptophan Metabolism and Gut-Brain Homeostasis. **2021**, 22,	27
657	Increasing breast milk betaine modulates abundance in mammalian neonates and improves long-term metabolic health. **2021**, 13,	12

656	Integrating Systems and Synthetic Biology to Understand and Engineer Microbiomes. **2021**, 23, 169-201		9
655	The Association between Cerebral Small Vessel Disease and the Gut Microbiome: A Cross-Sectional Analysis. **2021**, 30, 105568		4
654	Tissue Microbiome Associated With Human Diseases by Whole Transcriptome Sequencing and 16S Metagenomics. **2021**, 12, 585556		3
653	Potential role of microbiome in Chronic Fatigue Syndrome/Myalgic Encephalomyelits (CFS/ME). *Scientific Reports*, **2021**, 11, 7043	4.9	9
652	Inflammation and Insulin Resistance as Risk Factors and Potential Therapeutic Targets for Alzheimer's Disease. **2021**, 15, 653651		6
651	Bifidobacterium Lactis Probio-M8 regulates gut microbiota to alleviate Alzheimer's disease in the APP/PS1 mouse model. **2021**, 60, 3757-3769		9
650	Diet-Microbiota-Brain Axis in Alzheimer's Disease. **2021**, 77 Suppl 2, 21-27		11
649	The effect of Blastocystis sp. and Dientamoeba fragilis on psychological symptom severity in a sample of clinically diverse males and females. 1		1
648	The Role of Chronic Infection in Alzheimer's Disease: Instigators, Co-conspirators, or Bystanders?. **2021**, 8, 199-212		0
647	Aging-related Alzheimer's disease-like neuropathology and functional decline in captive vervet monkeys (Chlorocebus aethiops sabaeus). **2021**, 83, e23260		8
646	Review: The Role of Intestinal Dysbiosis in Parkinson's Disease. **2021**, 11, 615075		13
645	Microbiota-derived short chain fatty acids modulate microglia and promote A□plaque deposition. **2021**, 10,		37
644	The Gut Microbiome. 1-36		
643	Temozolomide-Induced Changes in Gut Microbial Composition in a Mouse Model of Brain Glioma. **2021**, 15, 1641-1652		4
642	Alterations in the Gut-Microbial-Inflammasome-Brain Axis in a Mouse Model of Alzheimer's Disease. **2021**, 10,		11
641	Gut microbiome alpha-diversity is not a marker of Parkinson's disease and multiple sclerosis. **2021**, 3, fcab113		7
640	Spatial Memory and Gut Microbiota Alterations Are Already Present in Early Adulthood in a Pre-clinical Transgenic Model of Alzheimer's Disease. **2021**, 15, 595583		11
639	Does modern research validate the ancient wisdom of gut flora and brain connection? A literature review of gut dysbiosis in neurological and neurosurgical disorders over the last decade. **2021**, 1		

638	The Oral-Gut-Brain AXIS: The Influence of Microbes in Alzheimer's Disease. **2021**, 15, 633735		9
637	Glycerol Monocaprylate Modulates Gut Microbiota and Increases Short-Chain Fatty Acids Production without Adverse Effects on Metabolism and Inflammation. **2021**, 13,		1
636	Microbial Pathogenesis and Pathophysiology of Alzheimer's Disease: A Systematic Assessment of Microorganisms' Implications in the Neurodegenerative Disease. **2021**, 15, 648484		2
635	Gut Microbiota Composition and Epigenetic Molecular Changes Connected to the Pathogenesis of Alzheimer's Disease. **2021**, 71, 1436-1455		7
634	Alzheimer's Disease: New Concepts on the Role of Autoimmunity and NLRP3 Inflammasome in the Pathogenesis of the Disease. **2021**, 19, 498-512		7
633	Dysbiosis and Alzheimer's Disease: A Role for Chronic Stress?. **2021**, 11,		23
632	Evolutionary Significance of the Neuroendocrine Stress Axis on Vertebrate Immunity and the Influence of the Microbiome on Early-Life Stress Regulation and Health Outcomes. **2021**, 12, 634539		7
631	Administration of Improves the Brain Function of A□Treated Mice via the Modulation of the Gut Microbiome. **2021**, 13,		8
630	Role of the gut microbiota in the development of various neurological diseases. **2021**,		0
629	Evidences for a Role of Gut Microbiota in Pathogenesis and Management of Epilepsy. **2021**, 22,		2
628	Focus on the Complex Interconnection between Cancer, Narcolepsy and Other Neurodegenerative Diseases: A Possible Case of Orexin-Dependent Inverse Comorbidity. **2021**, 13,		6
627	Some Candidate Drugs for Pharmacotherapy of Alzheimer's Disease. **2021**, 14,		6
626	Chicoric acid prevents neurodegeneration via microbiota-gut-brain axis in a mouse Parkinson□ disease model.		0
625	Gut microbial involvement in Alzheimer's disease pathogenesis. **2021**, 13,		2
624	Contribution of Gut Microbiota to Immunological Changes in Alzheimer's Disease. **2021**, 12, 683068		6
623	Gut Microbiota Changes and Their Correlation with Cognitive and Neuropsychiatric Symptoms in Alzheimer's Disease. **2021**, 81, 583-595		10
622	Taxonomic classification of metagenomic sequences from Relative Abundance Index profiles using deep learning. **2021**, 67, 102539		4
621	PapRIV, a BV-2 microglial cell activating quorum sensing peptide. *Scientific Reports*, **2021**, 11, 10723	4.9	2

620	Targeting Impaired Antimicrobial Immunity in the Brain for the Treatment of Alzheimer's Disease. **2021**, 17, 1311-1339		5
619	The Microbiota-Gut-Brain Axis and Alzheimer Disease. From Dysbiosis to Neurodegeneration: Focus on the Central Nervous System Glial Cells. **2021**, 10,		6
618	Roles and Mechanisms of Gut Microbiota in Patients With Alzheimer's Disease. **2021**, 13, 650047		14
617	Analysis the alteration of systemic inflammation in old and young APP/PS1 mouse. **2021**, 147, 111274		0
616	An overview of microglia ontogeny and maturation in the homeostatic and pathological brain. **2021** , 53, 3525-3547		6
615	Effects of Aerobic Exercise Training on Systemic Biomarkers and Cognition in Late Middle-Aged Adults at Risk for Alzheimer's Disease. **2021**, 12, 660181		10
614	Technological tools and strategies for culturing human gut microbiota in engineered in vitro models. **2021**, 118, 2886-2905		7
613	Voluntary wheel running is capable of improving cognitive function only in the young but not the middle-aged male APPSwe/PS1De9 mice. **2021**, 145, 105010		5
612	Knowledge gaps in Alzheimer's disease immune biomarker research. **2021**,		3
611	Consideration of Gut Microbiome in Murine Models of Diseases. **2021**, 9,		6
610	Vitamin K2 Holds Promise for Alzheimer's Prevention and Treatment. **2021**, 13,		2
609	Dialogue between the Human Microbiome and the Brain.		2
608	Gut Microbiota Alterations and Cognitive Impairment Are Sexually Dissociated in a Transgenic Mice Model of Alzheimer's Disease. **2021**, 82, S195-S214		8
607	Modern Sensing Approaches for Predicting Toxicological Responses of Food- and Drug-Based Bioactives on Microbiomes of Gut Origin. **2021**, 69, 6396-6413		0
606	Constraining PERMANOVA and LDM to within-set comparisons by projection improves the efficiency of analyses of matched sets of microbiome data. **2021**, 9, 133		4
605	Regulation of Neurotransmitters by the Gut Microbiota and Effects on Cognition in Neurological Disorders. **2021**, 13,		44
604	Alterations in gut microbiota linked to provenance, sex, and chronic wasting disease in white-tailed deer (Odocoileus virginianus). *Scientific Reports*, **2021**, 11, 13218	4.9	1
603	Lower human defensin 5 in elderly people compared to middle-aged is associated with differences in the intestinal microbiota composition: the DOSANCO Health Study. **2021**, 1		4

602	High-Fat Diet Alleviates Neuroinflammation and Metabolic Disorders of APP/PS1 Mice and the Intervention With Chinese Medicine. **2021**, 13, 658376		3
601	Bacterial Extracellular DNA Promotes Amyloid Aggregation. **2021**, 9,		5
600	Gut Microbiota: Critical Controller and Intervention Target in Brain Aging and Cognitive Impairment. **2021**, 13, 671142		6
599	The interaction of Akkermansia muciniphila with host-derived substances, bacteria and diets. **2021**, 105, 4833-4841		6
598	Mining microbes for mental health: Determining the role of microbial metabolic pathways in human brain health and disease. **2021**, 125, 698-761		23
597	The Role of the Microbiota-Gut-Brain Axis in the Health and Illness Condition: A Focus on Alzheimer's Disease. **2021**, 81, 1345-1360		4
596	Targeting whole body metabolism and mitochondrial bioenergetics in the drug development for Alzheimer's disease.. **2022**, 12, 511-531		4
595	Bidirectional communication between mast cells and the gut-brain axis in neurodegenerative diseases: Avenues for therapeutic intervention. **2021**, 172, 61-78		6
594	Gut microorganisms and neurological disease perspectives. FNL53		1
593	Inflammatory pathways in Alzheimer's disease mediated by gut microbiota. **2021**, 68, 101317		14
592	Fecal sample collection methods and time of day impact microbiome composition and short chain fatty acid concentrations. *Scientific Reports*, **2021**, 11, 13964	4.9	0
591	Ageing of the gut microbiome: Potential influences on immune senescence and inflammageing. **2021**, 68, 101323		12
590	Gut Microbiota, Probiotic Interventions, and Cognitive Function in the Elderly: A Review of Current Knowledge. **2021**, 13,		7
589	Association Between Abundance of in the Gut Microbiota and Negative Symptoms of Schizophrenia. **2021**, 12, 685910		5
588	Probiotics for Mild Cognitive Impairment and Alzheimer's Disease: A Systematic Review and Meta-Analysis. **2021**, 10,		8
587	Mannan oligosaccharide attenuates cognitive and behavioral disorders in the 5xFAD Alzheimer's disease mouse model via regulating the gut microbiota-brain axis. **2021**, 95, 330-343		18
586	Family SES Is Associated with the Gut Microbiome in Infants and Children. **2021**, 9,		5
585	Fecal Microbiota Transplantation: A Microbiome Modulation Technique for Alzheimer's Disease. **2021**, 13, e16503		2

584	Modulation of Neuroinflammation by the Gut Microbiota in Prion and Prion-Like Diseases. **2021**, 10,	2
583	Altered Gut Microbiota in Adults with Subjective Cognitive Decline: The SILCODE Study. **2021**, 82, 513-526	6
582	Reuniting the Body "Neck Up and Neck Down" to Understand Cognitive Aging: The Nexus of Geroscience and Neuroscience. **2021**,	2
581	Dietary supplementation with improves learning and memory in a scopolamine-induced amnesia mouse model. **2021**, 30, 1107-1116	0
580	The Influence of Nutrition in Alzheimer's Disease: Neuroinflammation and the Microbiome vs. Transmissible Prion. **2021**, 15, 677777	0
579	Disturbed microbial ecology in Alzheimer's disease: evidence from the gut microbiota and fecal metabolome. **2021**, 21, 226	8
578	Queuine, a bacterial-derived hypermodified nucleobase, shows protection in in vitro models of neurodegeneration. **2021**, 16, e0253216	1
577	Urinary metabolomic changes and microbiotic alterations in presenilin1/2 conditional double knockout mice. **2021**, 19, 351	2
576	Modulation of Glial Function in Health, Aging, and Neurodegenerative Disease. **2021**, 15, 718324	3
575	Nutrition, Gut Microbiota, and Alzheimer's Disease. **2021**, 12, 712673	6
574	Omics sciences for systems biology in Alzheimer's disease: State-of-the-art of the evidence. **2021**, 69, 101346	17
573	Zederone Improves the Fecal Microbial Profile in Dementia Induced Rat Model: A First Report. **2021** ,	1
572	Microbiota-Gut-Brain Communication in the SARS-CoV-2 Infection. **2021**, 10,	6
571	New Approaches to Profile the Microbiome for Treatment of Neurodegenerative Disease. **2021**, 82, 1373-1401	6
570	Probiotics for the treatment of depression and anxiety: A systematic review and meta-analysis of randomized controlled trials. **2021**, 45, 75-90	7
569	Exploring the microbiota-Alzheimer's disease linkage using short-term antibiotic treatment followed by fecal microbiota transplantation. **2021**, 96, 227-238	10
568	Memorable Food: Fighting Age-Related Neurodegeneration by Precision Nutrition. **2021**, 8, 688086	5
567	Administration of BGN4 and BORI Improves Cognitive and Memory Function in the Mouse Model of Alzheimer's Disease. **2021**, 13, 709091	6

566	Effects of dietary exposure to the engineered nanomaterials CeO, SiO, Ag, and TiO on the murine gut microbiome. **2021**, 15, 934-950	1
565	The Role of Gut Microbiota in Aging and Aging Related Neurodegenerative Disorders: Insights from Model. **2021**, 11,	4
564	Probiotics: Potential novel therapeutics for microbiota-gut-brain axis dysfunction across gender and lifespan. **2021**, 231, 107978	1
563	The Effects of Intermittent Fasting on Brain and Cognitive Function. **2021**, 13,	5
562	Gut Microbiota and Alzheimer's Disease: Pathophysiology and Therapeutic Perspectives. **2021**, 83, 963-976	1
561	Risk of neurodegenerative diseases in patients with inflammatory bowel disease: a nationwide population-based cohort study. **2021**,	4
560	Lipocalin 2 as a link between ageing, risk factor conditions and age-related brain diseases. **2021**, 70, 101414	6
559	Potential therapeutic effects of boswellic acids/Boswellia serrata extract in the prevention and therapy of type 2 diabetes and Alzheimer's disease. **2021**, 394, 2167-2185	1
558	Western diet as a trigger of Alzheimer's disease: From metabolic syndrome and systemic inflammation to neuroinflammation and neurodegeneration. **2021**, 70, 101397	21
557	Safety of pasteurised as a novel food pursuant to Regulation (EU) 2015/2283. **2021**, 19, e06780	7
556	The Role of Adaptive and Innate Immunity in Alzheimer's Disease. **2021**, 213-232	
555	Phytotherapeutics Against Alzheimer's Disease: Mechanism, Molecular Targets and Challenges for Drug Development. **2021**,	1
554	Gene targeting techniques for Huntington's disease. **2021**, 70, 101385	1
553	Bacteriophage-mediated modulation of microbiota for diseases treatment. **2021**, 176, 113856	6
552	The Gut-Brain Axis in Multiple Sclerosis. Is Its Dysfunction a Pathological Trigger or a Consequence of the Disease?. **2021**, 12, 718220	7
551	Recurring Gastrointestinal Infections Increase the Risk of Dementia. **2021**, 84, 797-806	2
550	The Role of Gut Microbiota and Gut-Brain Interplay in Selected Diseases of the Central Nervous System. **2021**, 22,	4
549	Identification of strains for gut microbiome-based intervention in Alzheimer's-type dementia. **2021**, 2, 100398	5

548	Gut dysbiosis, defective autophagy and altered immune responses in neurodegenerative diseases: Tales of a vicious cycle. **2021**, 107988	8
547	Peripheral and central immune system crosstalk in Alzheimer disease - a research prospectus. **2021**, 17, 689-701	18
546	Surgical Menopause and Estrogen Therapy Modulate the Gut Microbiota, Obesity Markers, and Spatial Memory in Rats. **2021**, 11, 702628	1
545	The Endocannabinoid System: A Bridge between Alzheimer's Disease and Gut Microbiota. **2021**, 11,	3
544	Interrelationship between the 5-lipoxygenase pathway and microbial dysbiosis in the progression of Alzheimer's disease. **2021**, 1866, 158982	3
543	Bile acid receptors and signaling crosstalk in the liver, gut and brain. **2021**, 5, 105-118	4
542	Alterations in the gut microbiota contribute to cognitive impairment induced by the ketogenic diet and hypoxia. **2021**, 29, 1378-1392.e6	7
541	Sex-Dependent Effects of Intestinal Microbiome Manipulation in a Mouse Model of Alzheimer's Disease. **2021**, 10,	2
540	Bile Acids as Key Modulators of the Brain-Gut-Microbiota Axis in Alzheimer's Disease. **2021**, 84, 461-477	9
539	Multiple roles of short-chain fatty acids in Alzheimer disease. **2022**, 93, 111499	4
538	Interplay of gut microbiota and oxidative stress: Perspective on neurodegeneration and neuroprotection.. **2022**, 38, 223-244	4
537	Interactions between the microbiota and enteric nervous system during gut-brain disorders. **2021**, 197, 108721	6
536	Aronia berry polyphenols have matrix-dependent effects on the gut microbiota. **2021**, 359, 129831	9
535	Probiotics as potential therapeutic options for Alzheimer's disease. **2021**, 105, 7721-7730	4
534	Microbiota-gut-brain axis and Alzheimer's disease: Implications of the blood-brain barrier as an intervention target. **2021**, 199, 111560	3
533	Transplantation of gut microbiota derived from Alzheimer's disease mouse model impairs memory function and neurogenesis in C57BL/6 mice. **2021**, 98, 357-365	12
532	High-fat diet alters stress behavior, inflammatory parameters and gut microbiota in Tg APP mice in a sex-specific manner. **2021**, 159, 105495	1
531	The gut microbiome: implications for neurogenesis and neurological diseases. **2022**, 17, 53-58	5

530	Gut Dysbiosis and Neurological Disorders An Eclectic Perspective. **2022**, 489-489	
529	Microbiome Management of Neurological Disorders. **2022**,	
528	Qisheng Wan formula ameliorates cognitive impairment of Alzheimer's disease rat via inflammation inhibition and intestinal microbiota regulation. **2022**, 282, 114598	3
527	Molecular mechanisms of neurodegeneration in neurodegenerative diseases. **2021**, 117-148	
526	Demenzerkrankungen Prvalenz, Bedeutung und Implikationen fldie Prvention und Gesundheitsfderung. **2021**, 905-931	
525	Propionate and Alzheimer's Disease. **2020**, 12, 580001	7
524	Modulation of the microbiota-gut-brain axis by bioactive food, prebiotics, and probiotics decelerates the course of Alzheimer's disease. **2021**, 51-86	1
523	The Immunopathogenesis of Alzheimer's Disease Is Related to the Composition of Gut Microbiota. **2021**, 13,	19
522	No interplay between gut microbiota composition and the lipopolysaccharide-induced innate immune response in humans. **2021**, 10, e1278	0
521	References. **2021**, 243-287	
520	Microbiota-Gut-Brain Axis. **2021**, 423-423	
519	Metabolic phenotyping reveals a reduction in the bioavailability of serotonin and kynurenine pathway metabolites in both the urine and serum of individuals living with Alzheimer's disease. **2021**, 13, 20	22
518	The Association between Early-Life Gut Microbiota and Long-Term Health and Diseases. **2021**, 10,	41
517	Human gut microbiota and its association with pathogenesis and treatments of neurodegenerative diseases. **2021**, 150, 104675	6
516	Gut Microbiota and Microbiota-Related Metabolites as Possible Biomarkers of Cognitive Aging. **2019**, 1178, 129-154	14
515	Role of Gut Microbiota in Combating Oxidative Stress. **2019**, 43-82	10
514	Gut Microbiota and Neurologic Diseases and Injuries. **2020**, 1238, 73-91	13
513	Can dipeptidyl peptidase-4 inhibitors treat cognitive disorders?. **2020**, 212, 107559	8

512	Gut microbiota and aging. **2020**, 1-56	5
511	Variation in the Gut Microbiota of Common Marmosets: Differences with Colony of Origin and Integration.	2
510	Altered Bile Acid Profile in Mild Cognitive Impairment and Alzheimer Disease: Relationship to Neuroimaging and CSF Biomarkers.	3
509	Fecal Microbiota Transplantation Decreases Amyloid Load and Improves Cognition in Alzheimer.	1
508	Faecal microbiota transplant from aged donor mice affects spatial learning and memory via modulating hippocampal synaptic plasticity- and neurotransmission-related proteins in young recipients.	1
507	Gut Microbiota and Disorders of the Central Nervous System. **2020**, 26, 487-502	9
506	Faecal microbiota transplant from aged donor mice affects spatial learning and memory via modulating hippocampal synaptic plasticity- and neurotransmission-related proteins in young recipients. **2020**, 8, 140	51
505	Does the Gut Microbiota Modulate Host Physiology through Polymicrobial Biofilms?. **2020**, 35,	3
504	Improving causality in microbiome research: can human genetic epidemiology help?. **2019**, 4, 199	9
503	Improving causality in microbiome research: can human genetic epidemiology help?. **2019**, 4, 199	15
502	A Perspective on Roles Played by Immunosenescence in the Pathobiology of Alzheimer's Disease. **2020**, 11, 1594-1607	8
501	A review on preventive role of ketogenic diet (KD) in CNS disorders from the gut microbiota perspective. **2021**, 32, 143-157	15
500	Imaging of brain glucose uptake by PET in obesity and cognitive dysfunction: life-course perspective. **2019**, 8, R169-R183	6
499	Relationship between Alzheimer Disease and the Human Microbiome. 147-158	3
498	Association of gut microbiota composition and function with a senescence-accelerated mouse model of Alzheimer's Disease using 16S rRNA gene and metagenomic sequencing analysis. **2018**, 10, 4054-4065	30
497	Concomitant memantine and treatment attenuates cognitive impairments in APP/PS1 mice. **2020**, 12, 628-649	30
496	Anesthesia and surgery induce age-dependent changes in behaviors and microbiota. **2020**, 12, 1965-1986	13
495	Efficacy of probiotics on cognition, and biomarkers of inflammation and oxidative stress in adults with Alzheimer's disease or mild cognitive impairment - a meta-analysis of randomized controlled trials. **2020**, 12, 4010-4039	49

494	Gut microbiota and pro/prebiotics in Alzheimer's disease. **2020**, 12, 5539-5550	34
493	Perioperative neurocognitive dysfunction: thinking from the gut?. **2020**, 12, 15797-15817	8
492	Molecular Links Between Alzheimer's Disease and Gastrointestinal Microbiota: Emphasis on Helicobacter pylori Infection Involvement. **2019**, 20, 3-12	7
491	Retinoic Acid and the Gut Microbiota in Alzheimer's Disease: Fighting Back-to-Back?. **2019**, 16, 405-417	10
490	Healthy Gut, Healthy Brain: The Gut Microbiome in Neurodegenerative Disorders. **2020**, 20, 1142-1153	10
489	Blood-based systems biology biomarkers for next-generation clinical trials in Alzheimer's disease?. **2019**, 21, 177-191	13
488	The Microbiota-Gut-Brain Axis and Alzheimer's Disease: Neuroinflammation Is to Blame?. **2020**, 13,	31
487	Gut microbiota in common elderly diseases affecting activities of daily living. **2018**, 24, 4750-4758	16
486	Polyphenols-gut microbiota interplay and brain neuromodulation. **2018**, 13, 2055-2059	87
485	Treatment with can suppress A□accumulation and neuroinflammation in APP/PS1 mice. **2020**, 8, e10262	3
484	Impact of inter- and intra-individual variation, sample storage and sampling fraction on human stool microbial community profiles. **2019**, 7, e6172	14
483	Gut and Brain: Investigating Physiological and Pathological Interactions Between Microbiota and Brain to Gain New Therapeutic Avenues for Brain Diseases. **2021**, 15, 753915	1
482	Discovery of a Metabolic Signature Predisposing High Risk Patients with Mild Cognitive Impairment to Converting to Alzheimer's Disease. **2021**, 22,	1
481	Association of Elevated Plasma Total Homocysteine With Dementia With Lewy Bodies: A Case-Control Study. **2021**, 13, 724990	0
480	Neuropsychiatric Ramifications of COVID-19: Short-Chain Fatty Acid Deficiency and Disturbance of Microbiota-Gut-Brain Axis Signaling. **2021**, 2021, 7880448	2
479	Disbalance of the duodenal epithelial cell turnover and apoptosis accompanies insensitivity of intestinal redox homeostasis to inhibition of the brain glucose-dependent insulinotropic polypeptide receptors in a rat model of sporadic Alzheimer's disease. **2021**,	3
478	Therapeutic Potential of Mitophagy-Inducing Microflora Metabolite, Urolithin A for Alzheimer's Disease. **2021**, 13,	2
477	Gut-microbiota-microglia-brain interactions in Alzheimer's disease: knowledge-based, multi-dimensional characterization. **2021**, 13, 177	3

476	A Novel Probiotic Formula, BIOCG, Protects Against Alzheimer's-Related Cognitive Deficits via Regulation of Dendritic Spine Dynamics. **2021**, 18, 558-572	2
475	Sesamol Attenuates Amyloid Peptide Accumulation and Cognitive Deficits in APP/PS1 Mice: The Mediating Role of the Gut-Brain Axis. **2021**, 69, 12717-12729	6
474	Microbiota-gut-brain axis: A novel potential target of ketogenic diet for epilepsy. **2021**, 61, 36-41	1
473	Gut Microbiota in male patients with chronic traumatic complete spinal cord injury.	
472	Association between Apolipoprotein E genotype and the gut microbiome composition in humans and mice.	
471	Biotechnology and Bioinformatics Applications in Alzheimer□ Disease. **2019**, 223-234	0
470	Anorexia nervosa and gut microbiota. **2019**, 2, 32	
469	Systems biology in inflammatory bowel diseases: on the way to precision medicine. **2019**, 32, 233-246	4
468	Bacterially produced GABA protects neurons from degeneration.	
467	Microbiome Stability with Chronic SIV Infection in AIDS-resistant Sooty Mangabeys.	0
466	The impact of the gut microbiome in Alzheimer's disease. **2020**, 769-781	
465	Dysbiosis, gut barrier dysfunction and inflammation in dementia: A pilot study.	
464	Improving causality in microbiome research: can human genetic epidemiology help?. 4, 199	0
463	Butyrate producing Clostridiales utilize distinct human milk oligosaccharides correlating to early colonization and prevalence in the human gut.	
462	Understanding the host-microbe interactions using metabolic modeling.	1
461	Microbiota-derived short chain fatty acids promote A□plaque deposition.	1
460	Stratification of the Gut Microbiota Composition Landscape Across the Alzheimer's Disease Continuum in a Turkish Cohort.	
459	Relationship between the Japanese-style diet, gut microbiota, and dementia: A cross-sectional study.. **2021**, 94, 111524	3

458	Changes in the Gut Microbiome and Predicted Functional Metabolic Effects in an Australian Parkinson's Disease Cohort. **2021**, 15, 756951	2
457	Vitamin A Deficiency Exacerbates Gut Microbiota Dysbiosis and Cognitive Deficits in Amyloid Precursor Protein/Presenilin 1 Transgenic Mice. **2021**, 13, 753351	3
456	Does Alzheimer's disease stem in the gastrointestinal system?. **2021**, 287, 120088	2
455	The Role of P-Glycoprotein at the Blood□Brain Barrier in Neurological and Psychiatric Disease. **2021**, 45-81	
454	Mental Disorders Linked to Crosstalk between The Gut Microbiome and The Brain. **2020**, 29, 403-416	1
453	Gut microbiome couples gut and brain during calorie restriction in treating obesity.	
452	Designing with Emerging Science. **2020**,	0
451	Fluoride exposure cause colon microbiota dysbiosis by destroyed microenvironment and disturbed antimicrobial peptides expression in colon. **2022**, 292, 118381	1
450	Demenzerkrankungen □Prävalenz, Bedeutung und Implikationen für die Prävention und Gesundheitsförderung. **2020**, 1-28	
449	[illegible] **2020**, 15-21	
448	Mechanism, Diagnosis, Medication, Care Guidance, and Health Promotion in Alzheimer□s Disease. **2020**, 218, 03047	
447	A Novel Index for Predicting Health Status Using Species-level Gut Microbiome Profiling.	
446	Wpływ mikrobioty jelitowej na występowanie zaburzeń psychicznych oraz chorób neurodegeneracyjnych. **2021**, 75, 620-633	
445	Analyzing matched sets of microbiome data using the LDM and PERMANOVA.	
444	Dissecting the complexities of Alzheimer disease with in vitro models of the human brain. **2021**,	2
443	The Potential Utility of Prebiotics to Modulate Alzheimer's Disease: A Review of the Evidence. **2021**, 9,	1
442	The role of the host microbiome in autism and neurodegenerative disorders and effect of epigenetic procedures in the brain functions. **2021**, 132, 998-998	3
441	Microbiota-derived acetate enables the metabolic fitness of the brain innate immune system during health and disease. **2021**, 33, 2260-2276.e7	29

440	Gut Microbiota Regulation and Their Implication in the Development of Neurodegenerative Disease. **2021**, 9,	2
439	Incorporating genome-based phylogeny and functional similarity into diversity assessments helps to resolve a global collection of human gut metagenomes.	1
438	PapRIV, a BV-2 microglial cell activating quorum sensing peptide.	1
437	Dysbiosis of gut microbiota is associated with serum lipid profiles in male patients with chronic traumatic cervical spinal cord injury. **2019**, 11, 4817-4834	15
436	Gastrointestinal (GI)-Tract Microbiome Derived Neurotoxins and their Potential Contribution to Inflammatory Neurodegeneration in Alzheimer's Disease (AD). **2021**, 11,	1
435	Composition of intestinal flora affects the risk relationship between Alzheimer's disease/Parkinson's disease and cancer. **2021**, 145, 112343	6
434	Therapeutic Potential of a Novel Identified Through Microbiome Profiling of RA Patients With Different RF Levels. **2021**, 12, 736196	2
433	Dietary Patterns and Associated Microbiome Changes that Promote Oncogenesis. **2021**, 9, 725821	1
432	Fecal microbiota transplantation derived from Alzheimer□ disease mice worsens brain trauma outcomes in young C57BL/6 mice.	
431	Probing Gut-Brain Links in Alzheimer□ Disease with Rifaximin.	
430	The Zonulin-transgenic mouse displays behavioral alterations ameliorated via depletion of the gut microbiota. **2021**, 2000299	1
429	Altered Fecal Microbiota Correlated With Systemic Inflammation in Male Subjects With Methamphetamine Use Disorder. **2021**, 11, 783917	1
428	Effect of dietary inclusion of Fireweed (Crassocephalum crepidioides) on behavioural patterns, memory indices, and activities of cholinergic and monoaminergic enzymes in a fruit fly (Drosophila melanogaster) model of Alzheimer's disease.	0
427	DP189 prevents cognitive dysfunction in D-galactose/AlCl induced mouse model of Alzheimer's disease via modulating gut microbiota and PI3K/Akt/GSK-3□signaling pathway. **2021**, 1-13	4
426	Elderly Patients with Mild Cognitive Impairment Exhibit Altered Gut Microbiota Profiles. **2021**, 2021, 5578958	1
425	Is the Gut Microbiota a Neglected Aspect of Gut and Brain Disorders?. **2021**, 13, e19740	1
424	Dietary Regulation of Gut-Brain Axis in Alzheimer's Disease: Importance of Microbiota Metabolites. **2021**, 15, 736814	0
423	Association Between Serum Vitamins and the Risk of Alzheimer's Disease in Chinese Populatio. **2021**,	0

422	Functional roles of the microbiota-gut-brain axis in Alzheimer's disease: Implications of gut microbiota-targeted therapy.. **2021**, 12, 581-600	2
421	COVID-19 Pandemic and Mental Illness: Impact of Gut Microbiota. **2021**, 349-368	
420	The Gut Microbiota and Immunopathophysiology. **2021**,	
419	A Comprehensive Review on the Role of the Gut Microbiome in Human Neurological Disorders.. **2022**, e0033820	12
418	Plant polysaccharides utilized by gut microbiota: New players in ameliorating cognitive impairment. **2022**,	1
417	Maternal pre-pregnancy overweight and neonatal gut bacterial colonization are associated with cognitive development and gut microbiota composition in pre-school-age offspring.. **2021**, 100, 311-320	4
416	Gut microbiota in patients with Alzheimer's disease spectrum: a systematic review and meta-analysis.. **2022**, 14, 477-496	11
415	Mediterranean diet adherence, gut microbiota, and Alzheimer's or Parkinson's disease risk: A systematic review.. **2022**, 434, 120166	6
414	Melatonin in the Gastrointestinal Tract, Circadian Rhythms, Immunity and Microbiota in Health, Disease and Aging. **2022**, 85-94	
413	The Gut-Brain Axis and Its Relation to Parkinson's Disease: A Review.. **2021**, 13, 782082	5
412	Neuroprotective Effects of Probiotic-Supplemented Diet on Cognitive Behavior of 3xTg-AD Mice.. **2022**, 2022, 4602428	1
411	Probiotic supplementation demonstrates therapeutic potential in treating gut dysbiosis and improving neurocognitive function in age-related dementia.. **2022**, 1	0
410	A CLOSER LOOK AT THE MYCOBIOME IN ALZHEIMER'S DISEASE: FUNGAL SPECIES, PATHOGENESIS AND TRANSMISSION.. **2022**,	1
409	Brain-derived neurotrophic factor in Alzheimer's disease and its pharmaceutical potential.. **2022**, 11, 4	8
408	Emerging Roles of Microfluidics in Brain Research: From Cerebral Fluids Manipulation to Brain-on-a-Chip and Neuroelectronic Devices Engineering.. **2022**,	3
407	Jatrorrhizine: A Review of Sources, Pharmacology, Pharmacokinetics and Toxicity.. **2021**, 12, 783127	0
406	Engineering Organoids for Modeling of Phenylketonuria.. **2021**, 14, 787242	2
405	Gut Microbiota Composition Is Related to AD Pathology.. **2021**, 12, 794519	7

404	Taiwanese Vegetarians Are Associated with Lower Dementia Risk: A Prospective Cohort Study.. **2022**, 14,	2
403	The Beneficial Effects of Combining Anti-A□Antibody NP106 and Curcumin Analog TML-6 on the Treatment of Alzheimer's Disease in APP/PS1 Mice.. **2022**, 23,	0
402	Effects of probiotics on cognitive and emotional functions in healthy older adults: Protocol for a double-blind randomized placebo-controlled crossover trial.. **2022**,	0
401	Microbiota-Gut-Brain Axis in Neurological Disorders. **2022**, 147-167	
400	Probing gut-brain links in Alzheimer's disease with rifaximin.. **2022**, 8, e12225	1
399	Neuroprotection of chicoric acid in a mouse model of Parkinson's disease involves gut microbiota and TLR4 signaling pathway.. **2022**,	3
398	Soybean Meal Extract Preserves Memory Ability by Increasing Presynaptic Function and Modulating Gut Microbiota in Rats.. **2022**, 59, 1649	0
397	Profiling the oral microbiomes in patients with Alzheimer's disease.. **2021**,	3
396	Gut microbiota regulate Alzheimer's disease pathologies and cognitive disorders via PUFA-associated neuroinflammation.. **2022**,	5
395	Gut Microbiome Composition Linked to Inflammatory Factors and Cognitive Functions in First-Episode, Drug-Naive Major Depressive Disorder Patients.. **2021**, 15, 800764	1
394	Gene-environment-gut interactions in Huntington's disease mice are associated with environmental modulation of the gut microbiome.. **2022**, 25, 103687	5
393	Alleviation effects of grape seed proanthocyanidin extract on inflammation and oxidative stress in a D-galactose-induced aging mouse model by modulating the gut microbiota.. **2022**,	2
392	Role of Gut Microbiota and Probiotic in Chronic Fatigue Syndrome. **2022**, 211-236	
391	Gut Microbiota Alteration Is Associated With Cognitive Deficits in Genetically Diabetic (Db/db) Mice During Aging.. **2021**, 13, 815562	1
390	Diet and Gut Microbiome and the "Chicken or Egg" Problem.. **2021**, 8, 828630	2
389	Effects of Lactiplantibacillus plantarum PS128 on alleviating canine aggression and separation anxiety. **2022**, 247, 105569	
388	The Potential Role of Gut Microbiota in Alzheimer's Disease: From Diagnosis to Treatment.. **2022**, 14,	3
387	Systematic Review of the Effects of Exercise and Physical Activity on the Gut Microbiome of Older Adults.. **2022**, 14,	3

386	Marine fungal metabolite butyrolactone I prevents cognitive deficits by relieving inflammation and intestinal microbiota imbalance on aluminum trichloride-injured zebrafish.. **2022**, 19, 39	0
385	Stratification of the Gut Microbiota Composition Landscape across the Alzheimer's Disease Continuum in a Turkish Cohort.. **2022**, e0000422	1
384	Determination of bacterial community structure of Turkish kefir beverages via metagenomic approach. **2022**, 129, 105337	1
383	Comparison of Metabolites and Gut Microbes between Patients with Parkinson's Disease and Healthy Individuals-A Pilot Clinical Observational Study (STROBE Compliant).. **2022**, 10,	0
382	Interaction Between Diet and Microbiota in the Pathophysiology of Alzheimer's Disease: Focus on Polyphenols and Dietary Fibers.. **2022**,	3
381	Homeostatic regulation of neuronal excitability by probiotics in male germ-free mice.. **2021**,	0
380	Gut Microbiome Regulation of Autophagic Flux and Neurodegenerative Disease Risks.. **2021**, 12, 817433	1
379	Gut microbiota-driven brain A□amyloidosis in mice requires microglia. **2022**, 219,	7
378	Modifying the Microbiome as a Potential Mechanism of Photobiomodulation: A Case Report.. **2021**,	3
377	Association of Dietary Prebiotic Consumption with Reduced Risk of Alzheimer's Disease in a Multiethnic Population.. **2021**,	2
376	Impact of the Age of Cecal Material Transfer Donors on Alzheimer's Disease Pathology in 5xFAD Mice.. **2021**, 9,	3
375	Alterations in gut bacterial and fungal microbiomes are associated with bacterial Keratitis, an inflammatory disease of the human eye. **2018**, 43, 835-856	15
374	Connect between gut microbiome and diseases of the human eye. **2019**, 44,	7
373	Homeostasis and dysbiosis of the gut microbiome in health and disease. **2019**, 44,	25
372	Microbiota, Microbiome, and Retinal Diseases.. **2022**, 62, 197-214	
371	Analysis methods for the gut microbiome in neuropsychiatric and neurodegenerative disorders.. **2022**, 20, 1097-1110	0
370	Active Multiple-Sampling Capsule for Gut Microbiome. **2022**, 1-12	
369	Chronic exposure to ambient traffic-related air pollution (TRAP) alters gut microbial abundance and bile acid metabolism in a transgenic rat model of Alzheimer's disease.. **2022**, 9, 432-444	1

368	Neurodegenerative Diseases and the Gut Microbiota. **2022**, 339-392	
367	Dietary Plant Polyphenols as the Potential Drugs in Neurodegenerative Diseases: Current Evidence, Advances, and Opportunities.. **2022**, 2022, 5288698	2
366	Contributions of Human-Associated Archaeal Metabolites to Tumor Microenvironment and Carcinogenesis.. **2022**, e0236721	2
365	Combination of gut microbiota and plasma amyloid-as a potential index for identifying preclinical Alzheimer's disease: a cross-sectional analysis from the SILCODE study.. **2022**, 14, 35	0
364	Meta-analysis defines predominant shared microbial responses in various diseases and a specific inflammatory bowel disease signal.. **2022**, 23, 61	0
363	To rarefy or not to rarefy: robustness and efficiency trade-offs of rarefying microbiome data.. **2022**,	0
362	The Intestinal Barrier Dysfunction as Driving Factor of Inflammaging.. **2022**, 14,	2
361	Rethinking Parkinson Disease: Exploring Gut-Brain Interactions and the Potential Role of Exercise.. **2022**,	0
360	Implications of Gut Microbiota in Neurodegenerative Diseases.. **2022**, 13, 785644	1
359	Gut microbiome in neuropsychiatric disorders.. **2022**, 80, 192-207	0
358	Gut Microbiota and Targeted Biomarkers Analysis in Patients With Cognitive Impairment.. **2022**, 13, 834403	0
357	Mechanistic Insights Into Gut Microbiome Dysbiosis-Mediated Neuroimmune Dysregulation and Protein Misfolding and Clearance in the Pathogenesis of Chronic Neurodegenerative Disorders.. **2022**, 16, 836605	2
356	Therapeutic Efficacies of Berberine against Neurological Disorders: An Update of Pharmacological Effects and Mechanisms.. **2022**, 11,	0
355	Gut- and oral-dysbiosis differentially impact spinal- and bulbar-onset ALS, predicting ALS severity and potentially determining the location of disease onset.. **2022**, 22, 62	3
354	The Microbiota-Gut-Brain Axis in Alzheimer's Disease: A Review of Taxonomic Alterations and Potential Avenues for Interventions.. **2022**,	5
353	Therapeutic integrity of microbiome-based medicines in neurodegenerative disorders.. **2022**,	1
352	CRISPR-Cas Systems in Gut Microbiome of Children with Autism Spectrum Disorders.. **2022**, 12,	
351	Microbiota-microglia connections in age-related cognition decline.. **2022**, e13599	1

350	Exogenous lipase administration alters gut microbiota composition and ameliorates Alzheimer's disease-like pathology in APP/PS1 mice.. *Scientific Reports*, **2022**, 12, 4797	4.9	1
349	The Oral and Fecal Microbiota in a Canadian Cohort of Alzheimer's Disease.. **2022**,		1
348	Influence of the Microbiota-Gut-Brain Axis on Cognition in Alzheimer's Disease.. **2022**,		3
347	Liver and White/Brown Fat Dystrophy Associates with Gut Microbiota and Metabolomic Alterations in 3xTg Alzheimer's Disease Mouse Model.. **2022**, 12,		
346	Fecal transplantation can alleviate tic severity in a Tourette syndrome mouse model by modulating intestinal flora and promoting serotonin secretion.. **2022**,		0
345	Relationship Between the Gut Microbiota and Alzheimer's Disease: A Systematic Review.. **2022**,		3
344	Investigating Casual Associations Among Gut Microbiota, Metabolites, and Neurodegenerative Diseases: A Mendelian Randomization Study.. **2022**,		0
343	Evolution, the Immune System, and the Health Consequences of Socioeconomic Inequality.. **2022**, e0143821		
342	Gut Microbiota-Mediated Elevated Production of Secondary Bile Acids in Chronic Unpredictable Mild Stress.. **2022**, 13, 837543		2
341	Functional Significance of Different Milk Constituents in Modulating the Gut Microbiome and Infant Health.. **2022**,		0
340	Alzheimer's Disease-Related Dysbiosis Might Be Triggered by Certain Classes of Antibiotics with Time-Lapse: New Insights into the Pathogenesis?. **2022**,		0
339	Comparative analysis of the oral microbiome of burning mouth syndrome patients.. **2022**, 14, 2052632		1
338	Polysaccharide Regulation of Intestinal Flora: A Viable Approach to Maintaining Normal Cognitive Performance and Treating Depression.. **2022**, 13, 807076		1
337	Longitudinal analysis of the gut microbiome in the 5xfAD mouse model of Alzheimer disease.		
336	Anoreksiya Nervosal Hastalarda Intestinal Mikrobiyotan Rol **2022**, 14, 75-83		
335	Microbiota in neuroinflammation and synaptic dysfunction: a focus on Alzheimer's disease.. **2022**, 17, 19		5
334	Microbiota-targeted therapies in inflammation resolution.. **2022**, 101599		1
333	Immunotherapy for Alzheimer's disease: targeting amyloid and beyond.. **2022**, 11, 18		9

332	Association of midlife antibiotic use with subsequent cognitive function in women.. **2022**, 17, e0264649	1
331	Intestinal transit rhythm and associated factors during the COVID-19 pandemic: A pilot study.. **2022**, 48, 220-226	1
330	Relationship Between Plasma Neurofilament Light Chain, Gut Microbiota, and Dementia: A Cross-Sectional Study.. **2022**, 86, 1323-1335	0
329	The human microbiome in disease and pathology.. **2022**,	1
328	Linking circadian rhythms to microbiome-gut-brain axis in aging-associated neurodegenerative diseases.. **2022**, 101620	4
327	The Influence of Gut Dysbiosis in the Pathogenesis and Management of Ischemic Stroke.. **2022**, 11,	6
326	Dioxin-like polychlorinated biphenyl 126 (PCB126) disrupts gut microbiota-host metabolic dysfunction in mice via aryl hydrocarbon receptor activation.. **2022**, 236, 113448	0
325	Metformin to treat Huntington disease: a pleiotropic drug against a multi-system disorder.. **2022**, 111670	1
324	Gut dysbiosis and age-related neurological diseases in females.. **2022**, 105695	0
323	Recent advances in blood and gut microbiota biomarkers for Alzheimer’s disease. **2021**,	
322	Mitochondria-Microbiota Interaction in Neurodegeneration.. **2021**, 13, 776936	1
321	The Relationship between Gut Microbiome and Cognition in Older Australians.. **2021**, 14,	0
320	Gut Microbial Profile Is Associated With the Severity of Social Impairment and IQ Performance in Children With Autism Spectrum Disorder.. **2021**, 12, 789864	1
319	Alleviates Cognitive Impairment in APP/PS1 Mice by Regulating Drug-Responsive Bacteria and Their Corresponding Microbial Metabolites.. **2021**, 12, 766120	
318	Gram-negative bacteria and their lipopolysaccharides in Alzheimer's disease: pathologic roles and therapeutic implications. **2021**, 10, 49	5
317	Cadmium exposure modulates the gut-liver axis in an Alzheimer's disease mouse model.. **2021**, 4, 1398	1
316	Etiology and management of Alzheimer's disease: Potential role of gut microbiota modulation with probiotics supplementation.. **2021**, e14043	3
315	Oxidative Stress Biomarkers and Mitochondrial DNA Copy Number Associated with Allele and Cholinesterase Inhibitor Therapy in Patients with Alzheimer's Disease.. **2021**, 10,	0

314	Guts Imbalance Imbalances the Brain: A Review of Gut Microbiota Association With Neurological and Psychiatric Disorders.. **2022**, 9, 813204	9
313	Effect of fermented foods on some neurological diseases, microbiota, behaviors: mini review.. **2022**, 1-17	
312	Peripheral Pathways to Neurovascular Unit Dysfunction, Cognitive Impairment, and Alzheimer's Disease.. **2022**, 14, 858429	0
311	Enteric Nervous System: The Bridge Between the Gut Microbiota and Neurological Disorders.. **2022**, 14, 810483	1
310	Fecal Microbiota Transplantation Derived from Alzheimer's Disease Mice Worsens Brain Trauma Outcomes in Wild-Type Controls.. **2022**, 23,	2
309	The Role of the Gut Microbiota and Microbial Metabolites in the Pathogenesis of Alzheimer's Disease.. **2022**,	0
308	Cognitive Function Associated with Gut Microbial Abundance in Sucrose and S-Adenosyl-L-Methionine (SAMe) Metabolic Pathways.. **2022**,	0
307	Signature of Alzheimer's Disease in Intestinal Microbiome: Results From the AlzBiom Study.. **2022**, 16, 792996	0
306	Altered peripheral factors affecting the absorption, distribution, metabolism, and excretion of oral medicines in Alzheimer's disease.. **2022**, 114282	1
305	The Effect of Gut Microbe Dysbiosis on the Pathogenesis of Alzheimer's Disease (AD) and related conditions.. **2022**,	0
304	Creutzfeldt-Jakob Disease: Alterations of Gut Microbiota.. **2022**, 13, 832599	0
303	Blood-Based Biomarkers for Alzheimer's Disease Diagnosis and Progression: An Overview.. **2022**, 11,	0
302	Microbiomics: The Next Pillar of Precision Medicine and Its Role in African Healthcare.. **2022**, 13, 869610	
301	Gut Microbiota as a Hidden Player in the Pathogenesis of Alzheimer's Disease.. **2022**,	1
300	The microbiota-gut-brain axis participates in chronic cerebral hypoperfusion by disrupting the metabolism of short-chain fatty acids.. **2022**, 10, 62	3
299	Relationship Between Plasma Lipopolysaccharides, Gut Microbiota, and Dementia: A Cross-Sectional Study.. **2022**,	0
298	Data_Sheet_1.pdf. **2020**,	
297	DataSheet_1.docx. **2020**,	

296 Table_1.XLSX. **2018**,

295 Table_2.XLSX. **2018**,

294 Table_3.XLSX. **2018**,

293 Data_Sheet_1.docx. **2020**,

292 Presentation_1.pdf. **2020**,

291 Data_Sheet_1.PDF. **2018**,

290 Image_1.jpeg. **2019**,

289 Image_2.jpeg. **2019**,

288 Table_1.xlsx. **2019**,

287 Table_2.xlsx. **2019**,

286 Table_3.xlsx. **2019**,

285 Table_4.xlsx. **2019**,

284 Table_5.xlsx. **2019**,

283 Table_6.xlsx. **2019**,

282 Table_7.xlsx. **2019**,

281 Table_8.docx. **2019**,

280 Gut microbiome-mediated regulation of neuroinflammation.. **2022**, 76, 102177 2

279 Microbiota in health and diseases.. **2022**, 7, 135 28

278	Use of Prebiotics for Addressing Gut Dysbiosis and Achieving Healthy Gut-Brain Axis. **2022**, 207-239	
277	The Role of the Microbiota-Gut-Brain Axis in the Development of Alzheimer's Disease.. **2022**, 23,	0
276	A Systematic Review on the Effects of Different Types of Probiotics in Animal Alzheimer's Disease Studies.. **2022**, 13, 879491	0
275	Effects of Traumatic Brain Injury on the Gut Microbiota Composition and Serum Amino Acid Profile in Rats.. **2022**, 11,	0
274	The Influence of Nutrition on Intestinal Permeability and the Microbiome in Health and Disease.. **2022**, 9, 718710	1
273	Microbiota Intestinal e Sistema Nervoso Central: explorando o eixo cérebro e intestino. 30, 1-29	
272	Gut Microbiota and Subjective Memory Complaints in Older Women.. **2022**,	2
271	Association of antibiotic-consumption patterns with the prevalence of hematological malignancies in European countries.. *Scientific Reports*, **2022**, 12, 7821	4.9
270	Effect of Probiotic Bifidobacterium breve in Improving Cognitive Function and Preventing Brain Atrophy in Older Patients with Suspected Mild Cognitive Impairment: Results of a 24-Week Randomized, Double-Blind, Placebo-Controlled Trial.. **2022**,	2
269	Repetitive transcranial magnetic stimulation (rTMS) for multiple neurological conditions in rodent animal models: A systematic review.. **2022**, 105356	
268	Introduction: From the Gut Microbiome to the Ocular Surface Microbiome—Are They Associated?. **2022**, 1-28	
267	Microbiota-gut-brain axis in the Alzheimer's disease pathology - an overview.. **2022**,	4
266	Dietary polyphenols: regulate the advanced glycation end products-RAGE axis and the microbiota-gut-brain axis to prevent neurodegenerative diseases.. **2022**, 1-27	3
265	Inflammation—cause or consequence of late onset Alzheimer's disease or both? A review of the evidence. **2022**, 20, 1721727X2210953	
264	High-Amylose Corn Starch Regulated Gut Microbiota and Serum Bile Acids in High-Fat Diet-Induced Obese Mice. **2022**, 23, 5905	0
263	Materials Used for the Microencapsulation of Probiotic Bacteria in the Food Industry. **2022**, 27, 3321	2
262	Diet Patterns, the Gut Microbiome, and Alzheimer's Disease. **2022**, 1-9	1
261	Crosstalk Between Gut Microflora and Vitamin D Receptor SNPs Are Associated with the Risk of Amnestic Mild Cognitive Impairment in a Chinese Elderly Population. **2022**, 1-17	1

260	The Neuroprotective Effects of Spray-Dried Porcine Plasma Supplementation Involve the Microbiota□Gut□Brain Axis. **2022**, 14, 2211	1
259	Intestinal Microflora Changes in Patients with Mild Alzheimer□ Disease in a Chinese Cohort. **2022**, 1-13	0
258	Trimethylamine N-oxide reduces neurite density and plaque intensity in a murine model of Alzheimer□ disease.	
257	A crosstalk between gut and brain in sepsis-induced cognitive decline. **2022**, 19,	1
256	Akkermansia muciniphila: paradigm for next-generation beneficial microorganisms.	13
255	The gut microbiome and the immune system. 219-233	
254	Danggui-Shaoyao-San Attenuates Cognitive Impairment via the Microbiota□Gut□Brain Axis With Regulation of Lipid Metabolism in Scopolamine-Induced Amnesia. **2022**, 13,	1
253	Phlorizin alleviates cholinergic memory impairment and regulates gut microbiota in d-galactose induced mice. **2022**, 111863	0
252	Modulating the Gut Microbiota as a Therapeutic Intervention for Alzheimer□ Disease.	
251	The Role of Microbiome in Brain Development and Neurodegenerative Diseases. **2022**, 27, 3402	3
250	Fatty acid metabolism changes in association with neurobehavioral deficits in animal models of fetal alcohol spectrum disorders.	
249	The complex relationship between gut microbiota dysregulation and mood disorders: A narrative review. **2022**, 3, 100044	
248	Probiotics and gut-brain axis modulation. **2022**, 373-410	
247	Neuroimmune contributions to Alzheimer□ disease: a focus on human data.	0
246	Gastrointestinal Changes and Alzheimer's Disease. **2022**, 19,	0
245	Microbial-derived metabolites as a risk factor of age-related cognitive decline and dementia. **2022**, 17,	0
244	The function of gut microbiota in immune-related neurological disorders: a review. **2022**, 19,	3
243	The Gut Microbiome□Brain Crosstalk in Neurodegenerative Diseases. **2022**, 10, 1486	2

242	Alteration of Gut Microbiota in Alzheimer's Disease and Their Relation to the Cognitive Impairment. **2022**, 1-12	1
241	Targeting the gut to prevent and counteract metabolic disorders and pathologies during aging. 1-26	0
240	Modulation of Gut Microbiota and Neuroprotective Effect of a Yeast-Enriched Beer. **2022**, 14, 2380	2
239	Structural Mimicry in Microbial and Antimicrobial Amyloids. **2022**, 91, 403-422	
238	The Interdependence Between Diet, Microbiome, And Human Body Health - A Systemic Review. **2022**, 13, 1-6	0
237	Behavioral Abnormalities of Gut Microbiota and Progression of Dementia. **2022**, 273-309	
236	Gut–Brain Axis in Alzheimer's Disease: Interplay Between Cholecystokinin, Dysbiosis, and Brain-Derived Neurotrophic Factor. **2022**, 311-353	
235	Role of the gut microbiome in multiple sclerosis: From etiology to therapeutics. **2022**,	
234	Overlapping Mechanisms of Action of Brain-Active Bacteria and Bacterial Metabolites in the Pathogenesis of Common Brain Diseases. **2022**, 14, 2661	1
233	Novel insights into non-alcoholic fatty liver disease and dementia: insulin resistance, hyperammonemia, gut dysbiosis, vascular impairment, and inflammation. **2022**, 12,	2
232	Association of perturbation of oral bacterial with incident of Alzheimer's disease: A pilot study. **2022**, 36,	1
231	Neurovascular Dysfunction in Diverse Communities With Health Disparities' Contributions to Dementia and Alzheimer's Disease. 16,	0
230	Differences in Alpha Diversity of Gut Microbiota in Neurological Diseases. 16,	3
229	Interactions between central nervous system and peripheral metabolic organs.	0
228	Orthopedic Surgery Causes Gut Microbiome Dysbiosis and Intestinal Barrier Dysfunction in Prodromal Alzheimer Disease Patients. **2022**, 276, 270-280	1
227	Brain Protection by Methylene Blue and Its Derivative, Azur B, via Activation of the Nrf2/ARE Pathway in Cisplatin-Induced Cognitive Impairment. **2022**, 15, 815	1
226	Multiomics technologies: role in disease biomarker discoveries and therapeutics.	
225	Nitric oxide pathway as a plausible therapeutic target in autism spectrum disorders. 1-21	

224	Altered Intestinal Microbiomes and Lipid Metabolism in Patients With Prolonged Disorders of Consciousness. 13,	1
223	Neuroprotective Effects of Oligosaccharides From Periplaneta Americana on Parkinson Disease Models In Vitro and In Vivo. 13,	0
222	The Role of Psychobiotics in Supporting the Treatment of Disturbances in the Functioning of the Nervous System A Systematic Review. **2022**, 23, 7820	1
221	NF- B Regulation by Gut Microbiota Decides Homeostasis or Disease Outcome During Ageing. 10,	1
220	Probiotics: Protecting Our Health from the Gut. **2022**, 10, 1428	3
219	Gut Microbes and Neuropathology: Is There a Causal Nexus?. **2022**, 11, 796	1
218	Exogenous Short Chain Fatty Acid Effects in APP/PS1 Mice. 16,	
217	Absence of Bacteria Permits Fungal Gut-To-Brain Translocation and Invasion in Germfree Mice but Ageing Alone Does Not Drive Pathobiont Expansion in Conventionally Raised Mice. 14,	
216	Loss of body weight in old 5xFAD mice and the alteration of gut microbiota composition. **2022**, 166, 111885	
215	Microbiota alteration and modulation in Alzheimer's disease by gerobiotics: The gut-health axis for a good mind. **2022**, 153, 113430	1
214	Targeting gut microbiota to alleviate neuroinflammation in Alzheimer disease. **2022**, 188, 114418	2
213	Age-related diseases, therapies and gut microbiome: a new frontier for healthy aging. **2022**, 111711	0
212	Association of gut microbiota with sort-chain fatty acids and inflammatory cytokines in diabetic patients with cognitive impairment: A cross-sectional, non-controlled study. 9,	1
211	Chronic-Antibiotics Induced Gut Microbiota Dysbiosis Rescues Memory Impairment and Reduces Amyloid Aggregation in a Preclinical Alzheimer Disease Model. **2022**, 23, 8209	1
210	Non-Invasive Nasal Discharge Fluid and Other Body Fluid Biomarkers in Alzheimer Disease. **2022**, 14, 1532	0
209	Association of periodontitis and oral microbiomes with Alzheimer disease: A narrative systematic review. **2022**,	0
208	Hallmarks of Neurodegenerative Disease: A Systems Pharmacology Perspective.	0
207	Human microbiome and neurological disorders. **2022**, 127-138	

206	Microorganisms in Pathogenesis and Management of Systemic Lupus Erythematosus (SLE). **2022**, 507-551	
205	Systemic long-term metabolic effects of acute non-severe paediatric burn injury. **2022**, 12,	
204	Jiedu-Yizhi Formula Alleviates Neuroinflammation in AD Rats by Modulating the Gut Microbiota. **2022**, 2022, 1-19	0
203	Transplantation of fecal microbiota from APP/PS1 mice and Alzheimer's disease patients enhanced endoplasmic reticulum stress in the cerebral cortex of wild-type mice. 14,	1
202	Neuroinflammation in neurodegeneration via microbial infections. 13,	0
201	A comparison of the composition and functions of the oral and gut microbiotas in Alzheimer's patients. 12,	1
200	Age-dependent effects of gut microbiota metabolites on brain resident macrophages. 16,	0
199	Therapeutic roles of plants for 15 hypothesised causal bases of Alzheimer's disease. **2022**, 12,	0
198	The gut microbiome molecular mimicry piece in the multiple sclerosis puzzle. 13,	1
197	Extremely small and incredibly close: Gut microbes as modulators of inflammation and targets for therapeutic intervention. 13,	
196	Autophagy Balances Neuroinflammation in Alzheimer's Disease.	0
195	When the infectious environment meets the AD brain. **2022**, 17,	0
194	The role of the gut microbiome in diet and exercise effects on cognition: A review of the intervention literature.	0
193	Impact of alcohol-induced intestinal microbiota dysbiosis in a rodent model of Alzheimer's disease. 3,	0
192	Attention-Deficit/Hyperactivity Disorder and the Gut Microbiota–Gut–Brain Axis: Closing Research Gaps through Female Inclusion in Study Design. **2022**, 2, 231-253	0
191	Changes in Oral Microbial Diversity in a Piglet Model of Traumatic Brain Injury. **2022**, 12, 1111	
190	Fecal microbiota transplantation can improve cognition in patients with cognitive decline and Clostridioides difficile infection.	2
189	The Role of 4-Phenylbutyric Acid in Gut Microbial Dysbiosis in a Mouse Model of Simulated Microgravity. **2022**, 12, 1301	1

188	Relationship between Nutrition, Lifestyle, and Neurodegenerative Disease: Lessons from ADH1B, CYP1A2 and MTHFR. **2022**, 13, 1498	
187	Impact of constipation on progression of Alzheimer's disease: A retrospective study.	0
186	The Gut Microbiota Dysbiosis as a Trigger of Inflammation-Driving Pathogensis of Alzheimer Disease. 8, 306-313	
185	The gut microbiome and Alzheimer disease: Complex and bidirectional interactions. **2022**, 141, 104814	0
184	Improvement of extraction from Hericium erinaceus on the gut-brain axis in AD-like mice. **2022**, 1793, 148038	0
183	Microbiota-derived metabolite Indoles induced aryl hydrocarbon receptor activation and inhibited neuroinflammation in APP/PS1 mice. **2022**, 106, 76-88	3
182	Inflammatory bowel disease: A potential pathogenic factor of Alzheimer's disease. **2022**, 119, 110610	2
181	Healthy living and active aging in Latin America and the Caribbean countries: biological, demographic, and epidemiological challenges. **2023**, 113-157	0
180	Microbiome influences on neuro-immune interactions in neurodegenerative disease. **2022**,	0
179	A Review of African Medicinal Plants and Functional Foods for the Management of Alzheimer's Disease-related Phenotypes, Treatment of HSV-1 Infection and/or Improvement of Gut Microbiota. **2022**, 27, 2515690X2211146	0
178	Gut Microbiome Regulation of Appetite and Role in Neurological Disorders. **2022**, 83-105	0
177	Consideration on the Standardization and Industrialization of Human Microbiome Technologies in Japan. **2022**,	0
176	Ketogenic Diet: A Dietary Intervention via Gut Microbiome Modulation for the Treatment of Neurological and Nutritional Disorders (a Narrative Review). **2022**, 14, 3566	2
175	Gut Microbiome and Mycobiome Alterations in an In Vivo Model of Alzheimer Disease. **2022**, 13, 1564	1
174	Bifidobacterium breve MCC1274 Supplementation Increased the Plasma Levels of Metabolites with Potential Anti-Oxidative Activity in APP Knock-In Mice. **2022**, 1-13	2
173	Diet-microbiome-gut-brain nexus in acute and chronic brain injury. 16,	0
172	Are neurodegenerative diseases associated with an increased risk of inflammatory bowel disease? A two-sample Mendelian randomization study. 13,	1
171	New insights on the role of bioactive food derivatives in neurodegeneration and neuroprotection. **2022**, 28,	1

170	Nicotinamide adenine dinucleotide supplementation drives gut microbiota variation in Alzheimer mouse model. 14,	1
169	Different oral and gut microbial profiles in those with Alzheimer's disease consuming anti-inflammatory diets. 9,	0
168	Probiotics Treatment Can Improve Cognition in Patients with Mild Cognitive Impairment: A Systematic Review. **2022**, 1-19	0
167	Trimethylamine N-Oxide Reduces Neurite Density and Plaque Intensity in a Murine Model of Alzheimer Disease. **2022**, 1-13	0
166	Study of gut microbiota alterations in Alzheimer's dementia patients from Kazakhstan. **2022**, 12,	1
165	A review of respirable fine particulate matter (PM2.5)-induced brain damage. 15,	0
164	Regulation of microglial physiology by the microbiota. **2022**, 14,	0
163	Effects of Three Feed Additives on the Culturable Microbiota Composition and Histology of the Anterior and Posterior Intestines of Zebrafish (Danio rerio). **2022**, 12, 2424	0
162	Age-related metabolic and neurodegenerative changes in SAMP8 mice. **2022**, 14, 7300-7327	0
161	Exploration of acupuncture therapy in the treatment of mild cognitive impairment based on the brain-gut axis theory. 16,	0
160	Bifidobacterium breve intervention combined with environmental enrichment alleviates cognitive impairment by regulating the gut microbiota and microbial metabolites in Alzheimer disease mice. 13,	0
159	Glial Cell-Mediated Neuroinflammation in Alzheimer Disease. **2022**, 23, 10572	3
158	Gut inflammation associated with age and Alzheimer disease pathology.	0
157	Role of gut microbiota in the pathogenesis of neurodegenerative diseases. **2022**, 59-66	0
156	Genetic correlations between gut microbiota genera and Alzheimer Disease.	0
155	A medical and molecular approach to kefir as a therapeutic agent of human microbiota.	0
154	Non-Pharmacological Therapeutic Options for the Treatment of Alzheimer Disease. **2022**, 23, 11037	2
153	Periodontitis-related salivary microbiota aggravates Alzheimer disease via gut-brain axis crosstalk. **2022**, 14,	1

152	Clostridioides difficile and neurological disorders: New perspectives. 16,	0
151	Mechanisms of Influence of Intestinal Microbiota on the Processes of Aging of the CNS and the Formation of Cognitive Disorders in Alzheimer Disease. **2022**, 20, 98-111	0
150	Advances in the study of the relationship between Alzheimer's disease and the gastrointestinal microbiome.	0
149	Does the Gut Microbial Metabolome Really Matter? The Connection between GUT Metabolome and Neurological Disorders. **2022**, 14, 3967	3
148	Cerebral Small Vessel Disease Burden is Associated with Decreased Abundance of Gut Barnesiella intestinihominis Bacterium in the Framingham Heart Study.	0
147	Microbiota-Gut-Brain Axis Regulation of Adult Hippocampal Neurogenesis. **2022**, 1-23	3
146	Mixed Tree Nuts, Cognition and Gut Microbiota: a 4-week, Placebo-Controlled, Randomized Crossover Trial in Healthy Non-Elderly Adults.	0
145	Transfer of antibiotics and their metabolites in human milk: implications for infant health and microbiota.	0
144	Fucoidan ameliorates LPS-induced neuronal cell damage and cognitive impairment in mice. **2022**, 222, 759-771	1
143	A Preliminary Mini-Review on the Relations Between Lipofuscin, Aging and the Oxidative Stress Status - the Possible Implications of Gut Functionality. **2020**, 9, 45-64	0
142	The emerging role of the microbiome in Alzheimer's disease. **2022**,	0
141	The microbiota-gut-brain axis in Huntington's disease. **2022**,	0
140	Comparative Metagenomics and Metabolomes Reveals Abnormal Metabolism Activity Is Associated with Gut Microbiota in Alzheimer Disease Mice. **2022**, 23, 11560	1
139	Treadmill Exercise Modulates Intestinal Microbes and Suppresses LPS Displacement to Alleviate Neuroinflammation in the Brains of APP/PS1 Mice. **2022**, 14, 4134	2
138	Manual acupuncture benignly regulates blood-brain barrier disruption and reduces lipopolysaccharide loading and systemic inflammation, possibly by adjusting the gut microbiota. 14,	0
137	Investigation of the Role of the Microbiome in the Development of Alzheimer Disease Using Machine Learning Techniques. **2023**, 639-649	0
136	Intestinal Flora Affect Alzheimer's Disease by Regulating Endogenous Hormones.	0
135	Systems biology analyses reveal enhanced chronic morphine distortion of gut-brain interrelationships in simian human immunodeficiency virus infected rhesus macaques. 16,	0

134	Effects of Donepezil Treatment on Brain Metabolites, Gut Microbiota, and Gut Metabolites in an Amyloid Beta-Induced Cognitive Impairment Mouse Pilot Model. **2022**, 27, 6591	0
133	Recent developments in the probiotics as live biotherapeutic products (LBPs) as modulators of gut brain axis related neurological conditions. **2022**, 20,	1
132	Selenium Nanoparticles-Enriched Lactobacillus casei ATCC 393 Prevents Cognitive Dysfunction in Mice Through Modulating Microbiota-Gut-Brain Axis. Volume 17, 4807-4827	2
131	Alterations of the gut microbiota in patients with immunoglobulin light chain amyloidosis. 13,	0
130	Neurodegenerative Microbially-Shaped Diseases: Oxidative Stress Meets Neuroinflammation. **2022**, 11, 2141	2
129	Effects of different amoxicillin treatment durations on microbiome diversity and composition in the gut. **2022**, 17, e0275737	1
128	The Interplay between Gut Microbiota and Parkinson's Disease: Implications on Diagnosis and Treatment. **2022**, 23, 12289	5
127	Bifidobacterium animalis MSMC83 Improves Oxidative Stress and Gut Microbiota in D-Galactose-Induced Rats. **2022**, 11, 2146	1
126	The interplay between the gut-brain axis and the microbiome: A perspective on psychiatric and neurodegenerative disorders. 16,	0
125	Potential mechanisms underlying the accelerated cognitive decline in people with chronic low back pain: A scoping review. **2022**, 101767	1
124	Mucosal Immunity and the Gut-Microbiota-Brain-Axis in Neuroimmune Disease. **2022**, 23, 13328	0
123	Hawthorn flavonoid ameliorates cognitive deficit in mice with Alzheimer's disease by increasing the levels of Bifidobacteriales in gut microbiota and docosapentaenoic acid in serum metabolites.	0
122	Marine Natural Products from the Russian Pacific as Sources of Drugs for Neurodegenerative Diseases. **2022**, 20, 708	1
121	Manipulation of the diet–microbiota–brain axis in Alzheimer's disease. 16,	1
120	Gut Microbiota Alternation in Disease Progression of Neurosyphilis. Volume 15, 6603-6612	0
119	The relationship between Alzheimer's disease and intestinal microflora structure and inflammatory factors. 14,	0
118	A genetic association study reveals the relationship between the oral microbiome and anxiety and depression symptoms. 13,	1
117	The Cognitive Improvement and Alleviation of Brain Hypermetabolism Caused by FFAR3 Ablation in Tg2576 Mice Is Persistent under Diet-Induced Obesity. **2022**, 23, 13591	0

116	Microglial cells: Sensors for neuronal activity and microbiota-derived molecules. 13,	0
115	What Are the Key Gut Microbiota Involved in Neurological Diseases? A Systematic Review. **2022**, 23, 13665	1
114	Dysbiosis of Gut Microbiota from the Perspective of the Gut–Brain Axis: Role in the Provocation of Neurological Disorders. **2022**, 12, 1064	1
113	A review on the application of the exposome paradigm to unveil the environmental determinants of age-related diseases. **2022**, 16,	0
112	Plasma metabolites link dietary patterns to stroke risk.	1
111	Overcoming Anxiety Disorder by Probiotic Lactiplantibacillus plantarum LZU-J-TSL6 through Regulating Intestinal Homeostasis. **2022**, 11, 3596	0
110	Fecal 16S rRNA sequencing and multi-compartment metabolomics revealed gut microbiota and metabolites interactions in APP/PS1 mice. **2022**, 106312	1
109	Gut microbiome, cognitive function and brain structure: a multi-omics integration analysis. **2022**, 11,	0
108	Exploration of the Gut–Brain Axis through Metabolomics Identifies Serum Propionic Acid Associated with Higher Cognitive Decline in Older Persons. **2022**, 14, 4688	0
107	Neuroprotective effects of polysaccharide from Sparassis crispa on Alzheimer's disease-like mice: Involvement of microbiota-gut-brain axis. **2022**,	1
106	Faecal microbiota transplantation from Alzheimer's participants induces impairments in neurogenesis and cognitive behaviours in rats.	0
105	Integrated untargeted fecal metabolomics and gut microbiota strategy for screening potential biomarkers associated with schizophrenia. **2022**, 156, 628-638	0
104	Intermittent fasting protects against Alzheimer's disease in mice by altering metabolism through remodeling of the gut microbiota. **2022**, 2, 1024-1039	0
103	Intermittent fasting to slow down Alzheimer's disease. **2022**, 2, 982-983	0
102	Trimethylamine N-oxide aggravated cognitive impairment from APP/PS1 mice and protective roles of voluntary exercise. **2023**, 162, 105459	0
101	Study on the Mechanism of Intestinal Microbiota in Alzheimer's Disease. **2022**, 11, 182-190	0
100	A new insight on feasibility of pre-, pro-, and synbiotics-based therapies in Alzheimer's disease. **2022**, 11, 141	0
99	A Review of the Recent Advances in Alzheimer's Disease Research and the Utilization of Network Biology Approaches for Prioritizing Diagnostics and Therapeutics. **2022**, 12, 2975	1

98	New Insights into the Gut Microbiota in Neurodegenerative Diseases from the Perspective of Redox Homeostasis. **2022**, 11, 2287	1
97	Integrative web cloud computing and analytics using MiPair for design-based comparative analysis with paired microbiome data. **2022**, 12,	0
96	Age matters: Microbiome depletion prior to repeat mild traumatic brain injury differentially alters microbial composition and function in adolescent and adult rats. **2022**, 17, e0278259	0
95	Gut microbiome alterations in preclinical Alzheimer's disease. **2022**, 17, e0278276	0
94	Intestinal endogenous metabolites affect neuroinflammation in 5 FAD mice by mediating "gut-brain" axis and the intervention with Chinese Medicine.	0
93	Effect of a Vegan Diet on Alzheimer's Disease. **2022**, 23, 14924	0
92	Alzheimer's disease and depression in the elderly: A trajectory linking gut microbiota and serotonin signaling. 13,	1
91	Research trend of microbiota-gut-brain axis in Alzheimer's disease based on CiteSpace (2012?2021): A bibliometrics analysis of 608 articles. 14,	0
90	Alzheimer's Disease: A Systems View Provides a Unifying Explanation of Its Development. **2022**, 1-28	0
89	Gut Microbiota and Immunotherapy for Alzheimer's Disease. **2022**, 23, 15230	0
88	Diurnal changes of the oral microbiome in patients with alcohol dependence. 12,	0
87	Microbiome and Metabolome Insights into the Role of the Gastrointestinal-Brain Axis in Parkinson's and Alzheimer's Disease: Unveiling Potential Therapeutic Targets. **2022**, 12, 1222	0
86	Virus-Like Cytosolic and Cell-Free Oxidatively Damaged Nucleic Acids Likely Drive Inflammation, Synapse Degeneration, and Neuron Death in Alzheimer's Disease. 1-19	0
85	Fatty acids derived from the probiotic Lacticaseibacillus rhamnosus HA-114 suppress age-dependent neurodegeneration. **2022**, 5,	2
84	Gut Microbiome and Serum Metabolome Profiles of Capsaicin with Cognitive Benefits in APP/PS1 Mice. **2023**, 15, 118	0
83	Gut microbial dysbiosis correlates with stroke severity markers in aged rats. 1,	0
82	Parasite infections, neuroinflammation, and potential contributions of gut microbiota. 13,	0
81	Longitudinal Analysis of the Microbiome and Metabolome in the 5xFAD Mouse Model of Alzheimer's Disease. **2022**, 13,	3

80	Investigation of putative roles of smoking-associated salivary microbiome alterations on carcinogenesis by integrative in silico analysis. **2022**, 107805	0
79	Genetic correlations between gut microbiome genera, Alzheimer disease diagnosis, and APOE genotypes: a polygenic risk score study.	0
78	The gut microbiota is an emerging target for improving brain health during ageing. 1-43	0
77	Gut microbiota in dementia with Lewy bodies. **2022**, 8,	0
76	Gut brain interaction theory reveals gut microbiota mediated neurogenesis and traditional Chinese medicine research strategies. 12,	1
75	The Interaction of Polyphenols and the Gut Microbiota in Neurodegenerative Diseases. **2022**, 14, 5373	0
74	Food for the mind: The journey of probiotics from foods to ANTI-Alzheimer disease therapeutics. **2022**, 102323	0
73	Beyond the classical amyloid hypothesis in Alzheimer's disease: Molecular insights into current concepts of pathogenesis, therapeutic targets, and study models.	1
72	The gut microbiota in neurodegenerative diseases: revisiting possible therapeutic targets for cannabidiol. **2022**, 8, e12172	0
71	Proceedings from the Albert Charitable Trust Inaugural Workshop on Understanding the Acute Effects of Exercise on the Brain**2022**, 8, 153-168	0
70	The Role of Fecal Microbiota Transplantation in the Treatment of Neurodegenerative Diseases: A Review. **2023**, 24, 1001	1
69	Latent Potential of Multifunctional Selenium Nanoparticles in Neurological Diseases and Altered Gut Microbiota. **2023**, 16, 699	0
68	Human Gut Microbiota Plasticity throughout the Life Course. **2023**, 20, 1463	1
67	Effects of Human Milk Oligosaccharides in Infant Health Based on Gut Microbiota Alteration. **2023**, 71, 994-1001	0
66	Altered intestinal microbiota in mice consuming high-fat diets influence cognitive function.	0
65	Gut microbiome dysbiosis drives metabolic dysfunction in Familial dysautonomia. **2023**, 14,	1
64	Impact of Data and Study Characteristics on Microbiome Volatility Estimates. **2023**, 14, 218	0
63	The Interaction between Mushroom Polysaccharides and Gut Microbiota and Their Effect on Human Health: A Review. **2023**, 12, 122	0

62	Characterizing the gut microbiome changes with aging in a novel Alzheimer disease rat model.	1
61	Gut Microbiota, Alzheimer and Psychiatric Diseases: Unveiling the Relationships and Treatment Options. **2023**, 279-333	0
60	Fecal Microbiota Transplantation Reduces Pathology and Improves Cognition in a Mouse Model of Alzheimer Disease. **2023**, 12, 119	0
59	Bacterial Profiles of Brain in Downer Cattle with Unknown Etiology. **2023**, 11, 98	0
58	The Gut Microbiome and Alzheimer Disease: A Growing Relationship. **2022**, 19, 808-818	0
57	Prophylactic Effect of Bovine Colostrum on Intestinal Microbiota and Behavior in Wild-Type and Zonulin Transgenic Mice. **2023**, 11, 91	1
56	Fecal Volatile Organic Compounds and Microbiota Associated with the Progression of Cognitive Impairment in Alzheimer Disease. **2023**, 24, 707	0
55	The association between gut microbiota and postoperative delirium in patients.	0
54	Fermented foods and gut microbiome: a focus on African Indigenous fermented foods. **2023**, 315-331	0
53	Patchouli alcohol attenuates the cognitive deficits in a transgenic mouse model of Alzheimer disease via modulating neuropathology and gut microbiota through suppressing C/EBP AEP pathway. **2023**, 20,	0
52	Gut-derived amyloid: Likely a centerpiece of the gut brain axis contributing to Alzheimer pathogenesis. **2023**, 15,	4
51	The biology of aging in a social world: insights from free-ranging rhesus macaques.	0
50	Communication of gut microbiota and brain via immune and neuroendocrine signaling. 14,	1
49	GDReBase: A Knowledge Base for Relations between Human Gut Microbes and Diseases Based on Deep Learning. **2023**, 13, 1614	0
48	Nerve injury-induced gut dysbiosis contributes to spinal cord TNF- expression and nociceptive sensitization. **2023**, 110, 155-161	0
47	Role of microbial dysbiosis in the pathogenesis of Alzheimer's disease. **2023**, 229, 109478	0
46	A new gentiopicroside derivative improves cognitive deficits of AD mice via activation of Wnt signaling pathway and regulation of gut microbiota homeostasis. **2023**, 113, 154730	0
45	Gut microbiota and its metabolites: Bridge of dietary nutrients and Alzheimer disease. **2023**,	0

44	Metagenomic association analysis of cognitive impairment in community-dwelling older adults. **2023**, 180, 106081	0
43	The Emerging Role of the Gut–Brain–Microbiota Axis in Neurodevelopmental Disorders. **2022**, 141-156	0
42	A Potential New Alzheimer's Treatment That May Function by Modulating the Gut Microbiota. **2022**, 18, 4	0
41	A Flower-like Brain Targeted Selenium Nanocluster Lowers the Chlorogenic Acid Dose for Ameliorating Cognitive Impairment in APP/PS1 Mice. **2023**, 71, 2883-2897	0
40	The gut microbiome in Alzheimer's disease: what we know and what remains to be explored. **2023**, 18,	1
39	Adjuvant Injections Altered the Ileal and Fecal Microbiota Differently with Changes in Immunoglobulin Isotypes and Antimycobacterial Antibody Responses. **2023**, 24, 2818	0
38	Anthocyanins from Lycium ruthenicum Murray Ameliorated High-Fructose Diet-Induced Neuroinflammation through the Promotion of the Integrity of the Intestinal Barrier and the Proliferation of Lactobacillus. **2023**, 71, 2864-2882	0
37	Contribution of Trimethylamine N-Oxide (TMAO) to Chronic Inflammatory and Degenerative Diseases. **2023**, 11, 431	0
36	The importance of gut-brain axis and use of probiotics as a treatment strategy for multiple sclerosis. **2023**, 71, 104547	0
35	Application of Caenorhabditis elegans in the evaluation of food nutrition: A review. **2023**, 4,	0
34	The diagnostic and prognostic potential of gut bacteria in inflammatory bowel disease. **2023**, 15,	1
33	Relevance of gut microbiota to Alzheimer's Disease (AD): Potential effects of probiotic in management of AD. **2023**, 3, 100128	0
32	Gut Microbiota and Alzheimer's Disease: How to Study and Apply Their Relationship. **2023**, 24, 4047	0
31	Dietary Protective Potential of Fucoxanthin as an Active Food Component on Neurological Disorders. **2023**, 71, 3599-3619	0
30	Blueberry–Mulberry Extract Alleviates Cognitive Impairment, Regulates Gut Metabolites, and Inhibits Inflammation in Aged Mice. **2023**, 12, 860	0
29	Subgingival microbiome at different levels of cognition. **2023**, 15,	0
28	Machado Joseph disease severity is linked with gut microbiota alterations in transgenic mice. **2023**, 179, 106051	0
27	Efficacy of acupuncture in patients with mild Alzheimer's disease and its impact on gut microbiota: Study protocol for a randomized sham-controlled trial. 10,	0

26	Disentangling the Complexity of Nutrition, Frailty and Gut Microbial Pathways during Aging: A Focus on Hippuric Acid. **2023**, 15, 1138	0
25	What the Gut Tells the Brain□ Is There a Link between Microbiota and Huntington□ Disease?. **2023**, 24, 4477	0
24	Unlocking Modifiable Risk Factors for Alzheimer□ Disease: Does the Oral Microbiome Hold Some of the Keys?. **2023**, 92, 1111-1129	0
23	Causal associations between gut Bifidobacteriaceae and transplantation failure: A Mendelian Randomization Study.	0
22	Excessive consumption of mucin by over-colonized Akkermansia muciniphila promotes intestinal barrier damage during malignant intestinal environment. 14,	0
21	Association Between Gut Microbiota and Delirium in Acutely Ill Older´Adults.	0
20	Predicting Neurodegenerative Disease Using Prepathology Gut Microbiota Composition: a Longitudinal Study in Mice Modeling Alzheimer□ Disease Pathologies. **2023**, 11,	0
19	Severe cognitive impairment is linked to a reduced gut microbiome capacity to synthesise immunomodulators, neurotransmitters, and amino acids required for autophagy in residents of long-term aged care.	0
18	□Glucan attenuates cognitive impairment of APP / PS1 mice via regulating intestinal flora and its metabolites.	0
17	The Role of Diet as a Modulator of the Inflammatory Process in the Neurological Diseases. **2023**, 15, 1436	0
16	Acteoside palliates d-galactose induced cognitive impairment by regulating intestinal homeostasis. **2023**, 421, 135978	0
15	Research Progress on the Etiology and Pathogenesis of Alzheimer's Disease from the Perspective of Chronic Stress. **2022**, 0	0
14	Gut Microbiota is an Impact Factor based on the Brain-Gut Axis to Alzheimer□ Disease: A Systematic Review. **2022**, 0	0
13	Probiotic supplement as a promising strategy in early tau pathology prevention: Focusing on GSK-3□ 17,	0
12	Use of Antibiotics and Cognitive Function in Older US Adults.	0
11	Interactions between gut microbes and NLRP3 inflammasome in the gut-brain axis. **2023**, 21, 2215-2227	0
10	Gut Microbiota and Its Role in Anti-aging Phenomenon: Evidence-Based Review.	0
9	The role of microbiota-gut-brain axis in neurodegenerative diseases: biochemical and therapeutic aspects. 71-89	0

8	Role of Microbiota-Modified Bile Acids in the Regulation of Intracellular Organelles and Neurodegenerative Diseases. **2023**, 14, 825	0
7	Genetic correlations between Alzheimer's disease and gut microbiome genera. **2023**, 13,	0
6	A Bibliometric Analysis on the Research Trend of Exercise and the Gut Microbiome. **2023**, 11, 903	0
5	Epigenetic Alterations of Brain Non-Neuronal Cells in Major Mental Diseases. **2023**, 14, 896	0
4	Microbiota–gut–brain axis and related therapeutics in Alzheimer's disease: prospects for multitherapy and inflammation control. **2023**,	0
3	The Muscle-Gut-Brain Axis and Psychiatric Illness.	0
2	A Chemical Reaction Similarity-Based Prediction Algorithm Identifies the Multiple Taxa Required to Catalyze an Entire Metabolic Pathway of Dietary Flavonoids.	0
1	Therapeutic Potential of Microbiota Modulation in Alzheimer's Disease: A Review of Preclinical Studies. **2023**, 7, 415-431	0