

Nigel H Greig

List of Publications by Year in descending order

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Version: 2024-02-01

257
papers

20,228
citations

9756

73
h-index

13727

129
g-index

269
all docs

269
docs citations

269
times ranked

20977
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitophagy inhibits amyloid- β^2 and tau pathology and reverses cognitive deficits in models of Alzheimer's disease. <i>Nature Neuroscience</i> , 2019, 22, 401-412.	7.1	1,008
2	Selective butyrylcholinesterase inhibition elevates brain acetylcholine, augments learning and lowers Alzheimer's amyloid peptide in rodent. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 17213-17218.	3.3	629
3	Mitophagy and Alzheimer's Disease: Cellular and Molecular Mechanisms. <i>Trends in Neurosciences</i> , 2017, 40, 151-166.	4.2	553
4	Exenatide once weekly versus placebo in Parkinson's disease: a randomised, double-blind, placebo-controlled trial. <i>Lancet, The</i> , 2017, 390, 1664-1675.	6.3	527
5	GLP-1 receptor stimulation preserves primary cortical and dopaminergic neurons in cellular and rodent models of stroke and Parkinsonism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 1285-1290.	3.3	483
6	An Iron-responsive Element Type II in the 5' Untranslated Region of the Alzheimer's Amyloid Precursor Protein Transcript. <i>Journal of Biological Chemistry</i> , 2002, 277, 45518-45528.	1.6	474
7	Running-Induced Systemic Cathepsin B Secretion Is Associated with Memory Function. <i>Cell Metabolism</i> , 2016, 24, 332-340.	7.2	375
8	Butyrylcholinesterase: An Important New Target in Alzheimer's Disease Therapy. <i>International Psychogeriatrics</i> , 2002, 14, 77-91.	0.6	351
9	Drug discovery and development: Role of basic biological research. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2017, 3, 651-657.	1.8	330
10	Protection and Reversal of Excitotoxic Neuronal Damage by Glucagon-Like Peptide-1 and Exendin-4. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 302, 881-888.	1.3	318
11	A synthetic inhibitor of p53 protects neurons against death induced by ischemic and excitotoxic insults, and amyloid beta-peptide. <i>Journal of Neurochemistry</i> , 2001, 77, 220-228.	2.1	316
12	Glucagon-like peptide-1 decreases endogenous amyloid- β^2 peptide ($A\beta^2$) levels and protects hippocampal neurons from death induced by $A\beta^2$ and iron. <i>Journal of Neuroscience Research</i> , 2003, 72, 603-612.	1.3	309
13	Cholinesterases: Roles in the Brain During Health and Disease. <i>Current Alzheimer Research</i> , 2005, 2, 307-318.	0.7	303
14	N-Methyl D-Aspartate (NMDA) Receptor Antagonists and Memantine Treatment for Alzheimer's Disease, Vascular Dementia and Parkinson's Disease. <i>Current Alzheimer Research</i> , 2012, 9, 746-758.	0.7	277
15	GLP-1 Receptor Stimulation Reduces Amyloid- β^2 Peptide Accumulation and Cytotoxicity in Cellular and Animal Models of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2010, 19, 1205-1219.	1.2	273
16	Exendin-4 Decelerates Food Intake, Weight Gain, and Fat Deposition in Zucker Rats. <i>Endocrinology</i> , 2000, 141, 1936-1941.	1.4	271
17	A Novel Neurotrophic Property of Glucagon-Like Peptide 1: A Promoter of Nerve Growth Factor-Mediated Differentiation in PC12 Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 300, 958-966.	1.3	260
18	Amyloid-Beta Protein Clearance and Degradation (ABCD) Pathways and their Role in Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2015, 12, 32-46.	0.7	255

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19	TNF- α protein synthesis inhibitor restores neuronal function and reverses cognitive deficits induced by chronic neuroinflammation. <i>Journal of Neuroinflammation</i> , 2012, 9, 23.	3.1	224
20	Status of Acetylcholinesterase and Butyrylcholinesterase in Alzheimer's Disease and Type 2 Diabetes Mellitus. <i>CNS and Neurological Disorders - Drug Targets</i> , 2014, 13, 1432-1439.	0.8	209
21	Synthesis of Novel Phenserine-Based-Selective Inhibitors of Butyrylcholinesterase for Alzheimer's Disease. <i>Journal of Medicinal Chemistry</i> , 1999, 42, 1855-1861.	2.9	207
22	Neuroprotective and neurotrophic actions of glucagon-like peptide-1: an emerging opportunity to treat neurodegenerative and cerebrovascular disorders. <i>British Journal of Pharmacology</i> , 2012, 166, 1586-1599.	2.7	200
23	p53 inhibitors preserve dopamine neurons and motor function in experimental parkinsonism. <i>Annals of Neurology</i> , 2002, 52, 597-606.	2.8	198
24	A Critical Analysis of New Molecular Targets and Strategies for Drug Developments in Alzheimers Disease. <i>Current Drug Targets</i> , 2003, 4, 97-112.	1.0	198
25	Neuroinflammation in animal models of traumatic brain injury. <i>Journal of Neuroscience Methods</i> , 2016, 272, 38-49.	1.3	195
26	Targeting TNF-Alpha to Elucidate and Ameliorate Neuroinflammation in Neurodegenerative Diseases. <i>CNS and Neurological Disorders - Drug Targets</i> , 2011, 10, 391-403.	0.8	192
27	Phenserine and ring C hetero-analogues: Drug candidates for the treatment of Alzheimer's disease. <i>Medicinal Research Reviews</i> , 1995, 15, 3-31.	5.0	188
28	Current drug targets for Alzheimer's disease treatment. <i>Drug Development Research</i> , 2002, 56, 267-281.	1.4	181
29	Advances in the Cellular and Molecular Biology of the Beta-Amyloid Protein in Alzheimer 's Disease. <i>NeuroMolecular Medicine</i> , 2002, 1, 1-32.	1.8	181
30	Tumor necrosis factor- α synthesis inhibitor 3,6-dithiothalidomide attenuates markers of inflammation, Alzheimer pathology and behavioral deficits in animal models of neuroinflammation and Alzheimer's disease. <i>Journal of Neuroinflammation</i> , 2012, 9, 106.	3.1	179
31	TNF- α ; Inhibition as a Treatment Strategy for Neurodegenerative Disorders: New Drug Candidates and Targets. <i>Current Alzheimer Research</i> , 2007, 4, 378-385.	0.7	178
32	Plumbagin, a novel Nrf2/ARE activator, protects against cerebral ischemia. <i>Journal of Neurochemistry</i> , 2010, 112, 1316-1326.	2.1	170
33	Utility of Neuronal-Derived Exosomes to Examine Molecular Mechanisms That Affect Motor Function in Patients With Parkinson Disease. <i>JAMA Neurology</i> , 2019, 76, 420.	4.5	169
34	Evidence of GLP-1-mediated neuroprotection in an animal model of pyridoxine-induced peripheral sensory neuropathy. <i>Experimental Neurology</i> , 2007, 203, 293-301.	2.0	166
35	Exendin-4 Improves Glycemic Control, Ameliorates Brain and Pancreatic Pathologies, and Extends Survival in a Mouse Model of Huntington's Disease. <i>Diabetes</i> , 2009, 58, 318-328.	0.3	160
36	Protein Misfolding and Aggregation in Alzheimer's Disease and Type 2 Diabetes Mellitus. <i>CNS and Neurological Disorders - Drug Targets</i> , 2014, 13, 1280-1293.	0.8	138

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37	Excessive hippocampal acetylcholine levels in acetylcholinesterase-deficient mice are moderated by butyrylcholinesterase activity. <i>Journal of Neurochemistry</i> , 2007, 100, 1421-1429.	2.1	133
38	TNF- α Induces Phenotypic Modulation in Cerebral Vascular Smooth Muscle Cells: Implications for Cerebral Aneurysm Pathology. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 1564-1573.	2.4	133
39	Butyrylcholinesterase inhibitors ameliorate cognitive dysfunction induced by amyloid- β peptide in mice. <i>Behavioural Brain Research</i> , 2011, 225, 222-229.	1.2	131
40	Why Do So Many Drugs for Alzheimer's Disease Fail in Development? Time for New Methods and New Practices?. <i>Journal of Alzheimer's Disease</i> , 2008, 15, 303-325.	1.2	125
41	Optimizing drug delivery to brain tumors. <i>Cancer Treatment Reviews</i> , 1987, 14, 1-28.	3.4	124
42	Acetylcholinesterase and Its Inhibition in Alzheimer Disease. <i>Clinical Neuropharmacology</i> , 2004, 27, 141-149.	0.2	122
43	The Experimental Alzheimer's Disease Drug Posiphen [(+)-Phenserine] Lowers Amyloid- β Peptide Levels in Cell Culture and Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 320, 386-396.	1.3	122
44	An Overview of Phenserine Tartrate, A Novel Acetylcholinesterase Inhibitor for the Treatment of Alzheimers Disease. <i>Current Alzheimer Research</i> , 2005, 2, 281-290.	0.7	118
45	GBR12909 antagonizes the ability of cocaine to elevate extracellular levels of dopamine. <i>Pharmacology Biochemistry and Behavior</i> , 1991, 40, 387-397.	1.3	113
46	Enhancing Central Nervous System Endogenous GLP-1 Receptor Pathways for Intervention in Alzheimers Disease. <i>Current Alzheimer Research</i> , 2005, 2, 377-385.	0.7	113
47	Enhancing the GLP-1 receptor signaling pathway leads to proliferation and neuroprotection in human neuroblastoma cells. <i>Journal of Neurochemistry</i> , 2010, 113, 1621-1631.	2.1	111
48	A New Treatment Strategy for Parkinson's Disease through the Gut-Brain Axis. <i>Cell Transplantation</i> , 2017, 26, 1560-1571.	1.2	111
49	A Synopsis on the Role of Tyrosine Hydroxylase in Parkinson's Disease. <i>CNS and Neurological Disorders - Drug Targets</i> , 2012, 11, 395-409.	0.8	111
50	miRNAs: Key Players in Neurodegenerative Disorders and Epilepsy. <i>Journal of Alzheimer's Disease</i> , 2015, 48, 563-580.	1.2	107
51	Transiently lowering tumor necrosis factor- α synthesis ameliorates neuronal cell loss and cognitive impairments induced by minimal traumatic brain injury in mice. <i>Journal of Neuroinflammation</i> , 2015, 12, 45.	3.1	107
52	Novel p53 Inactivators with Neuroprotective Action: Syntheses and Pharmacological Evaluation of 2-Imino-2,3,4,5,6,7-hexahydrobenzothiazole and 2-Imino-2,3,4,5,6,7-hexahydrobenzoxazole Derivatives. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 5090-5097.	2.9	104
53	Critical role of TNF- α in cerebral aneurysm formation and progression to rupture. <i>Journal of Neuroinflammation</i> , 2014, 11, 77.	3.1	103
54	The glucagon-like peptides: a double-edged therapeutic sword?. <i>Trends in Pharmacological Sciences</i> , 2003, 24, 377-383.	4.0	102

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55	A New Alzheimers Disease Interventive Strategy: GLP-1. <i>Current Drug Targets</i> , 2004, 5, 565-571.	1.0	102
56	The KATP Channel Activator Diazoxide Ameliorates Amyloid- β^2 and Tau Pathologies and Improves Memory in the 3xTgAD Mouse Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2010, 22, 443-457.	1.2	101
57	Exendin-4 Ameliorates Motor Neuron Degeneration in Cellular and Animal Models of Amyotrophic Lateral Sclerosis. <i>PLoS ONE</i> , 2012, 7, e32008.	1.1	101
58	Effects of 3 Months of Continuous Subcutaneous Administration of Glucagon-Like Peptide 1 in Elderly Patients With Type 2 Diabetes. <i>Diabetes Care</i> , 2003, 26, 2835-2841.	4.3	97
59	Brain uptake and anticancer activities of vincristine and vinblastine are restricted by their low cerebrovascular permeability and binding to plasma constituents in rat. <i>Cancer Chemotherapy and Pharmacology</i> , 1990, 26, 263-268.	1.1	92
60	New Therapeutic Strategies and Drug Candidates for Neurodegenerative Diseases: p53 and TNF- α Inhibitors, and GLP-1 Receptor Agonists. <i>Annals of the New York Academy of Sciences</i> , 2004, 1035, 290-315.	1.8	91
61	Neuroinflammation as a Factor of Neurodegenerative Disease: Thalidomide Analogs as Treatments. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 313.	1.8	91
62	The Role of microRNAs in Alzheimer's Disease and Their Therapeutic Potentials. <i>Genes</i> , 2018, 9, 174.	1.0	90
63	Apoptotic and behavioral sequelae of mild brain trauma in mice. <i>Journal of Neuroscience Research</i> , 2007, 85, 805-815.	1.3	88
64	Methyl Analogues of the Experimental Alzheimer Drug Phenserine: Synthesis and Structure/Activity Relationships for Acetyl- and Butyrylcholinesterase Inhibitory Action. <i>Journal of Medicinal Chemistry</i> , 2001, 44, 4062-4071.	2.9	87
65	Modulation of human neural stem cell differentiation in Alzheimer (APP23) transgenic mice by phenserine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 12506-12511.	3.3	87
66	Tumor necrosis factor- α synthesis inhibitor, 3,6-dithiothalidomide, reverses behavioral impairments induced by minimal traumatic brain injury in mice. <i>Journal of Neurochemistry</i> , 2011, 118, 1032-1042.	2.1	87
67	The glucagon-like peptides: a new genre in therapeutic targets for intervention in Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , 2002, 4, 487-496.	1.2	85
68	Exendin-4 induced glucagon-like peptide-1 receptor activation reverses behavioral impairments of mild traumatic brain injury in mice. <i>Age</i> , 2013, 35, 1621-1636.	3.0	83
69	Exendin-4, a glucagon-like peptide-1 receptor agonist prevents mTBI-induced changes in hippocampus gene expression and memory deficits in mice. <i>Experimental Neurology</i> , 2013, 239, 170-182.	2.0	80
70	Insulin resistance and exendin-4 treatment for multiple system atrophy. <i>Brain</i> , 2017, 140, 1420-1436.	3.7	80
71	Early intervention with a small molecule inhibitor for tumor necrosis factor- α prevents cognitive deficits in a triple transgenic mouse model of Alzheimer's disease. <i>Journal of Neuroinflammation</i> , 2012, 9, 99.	3.1	79
72	Thiothalidomides: Novel Isosteric Analogues of Thalidomide with Enhanced TNF- α Inhibitory Activity. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 5222-5229.	2.9	78

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73	Extension of Lifespan in <i>C. elegans</i> by Naphthoquinones That Act through Stress Hormesis Mechanisms. <i>PLoS ONE</i> , 2011, 6, e21922.	1.1	76
74	Liraglutide is neurotrophic and neuroprotective in neuronal cultures and mitigates mild traumatic brain injury in mice. <i>Journal of Neurochemistry</i> , 2015, 135, 1203-1217.	2.1	76
75	Physiological and Pathological Role of Alpha-synuclein in Parkinson's Disease Through Iron Mediated Oxidative Stress; The Role of a Putative Iron-responsive Element. <i>International Journal of Molecular Sciences</i> , 2009, 10, 1226-1260.	1.8	75
76	Changes in mouse cognition and hippocampal gene expression observed in a mild physical- and blast-traumatic brain injury. <i>Neurobiology of Disease</i> , 2013, 54, 1-11.	2.1	75
77	A Pilot Study of Exenatide Actions in Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2019, 16, 741-752.	0.7	75
78	Inhibition of Human Acetyl- and Butyrylcholinesterase by Novel Carbamates of (±)- and (+)-Tetrahydrofurobenzofuran and Methanobenzodioxepine. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 2174-2185.	2.9	74
79	Exendin-4 decreases amphetamine-induced locomotor activity. <i>Physiology and Behavior</i> , 2012, 106, 574-578.	1.0	74
80	Lessons from a BACE1 inhibitor trial: Off-site but not off base. <i>Alzheimer's and Dementia</i> , 2014, 10, S411-9.	0.4	69
81	p53 is Present in Synapses Where it Mediates Mitochondrial Dysfunction and Synaptic Degeneration in Response to DNA Damage, and Oxidative and Excitotoxic Insults. <i>NeuroMolecular Medicine</i> , 2003, 3, 159-172.	1.8	67
82	A Partial Failure of Membrane Protein Turnover May Cause Alzheimer's Disease: A New Hypothesis. <i>Current Alzheimer Research</i> , 2006, 3, 81-90.	0.7	67
83	Cognitive Impairments Accompanying Rodent Mild Traumatic Brain Injury Involve p53-Dependent Neuronal Cell Death and Are Ameliorated by the Tetrahydrobenzothiazole PFT-1. <i>PLoS ONE</i> , 2013, 8, e79837.	1.1	67
84	Posiphen as a candidate drug to lower CSF amyloid precursor protein, amyloid-β peptide and Aβ levels: target engagement, tolerability and pharmacokinetics in humans. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2012, 83, 894-902.	0.9	66
85	Development of Molecular Probes for the Identification of Extra Interaction Sites in the Mid-Gorge and Peripheral Sites of Butyrylcholinesterase (BuChE). <i>Rational Design of Novel, Selective, and Highly Potent BuChE Inhibitors</i> . <i>Journal of Medicinal Chemistry</i> , 2005, 48, 1919-1929.	2.9	65
86	Alzheimer's Disease Drug Development in 2008 and Beyond: Problems and Opportunities. <i>Current Alzheimer Research</i> , 2008, 5, 346-357.	0.7	65
87	Transferrin Fusion Technology: A Novel Approach to Prolonging Biological Half-Life of Insulintropic Peptides. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 334, 682-692.	1.3	65
88	Rodent models of memory dysfunction in Alzheimer's disease and normal aging: Moving beyond the cholinergic hypothesis. <i>Life Sciences</i> , 1994, 55, 2037-2049.	2.0	64
89	Pomalidomide is nonteratogenic in chicken and zebrafish embryos and nonneurotoxic in vitro. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 12703-12708.	3.3	64
90	Incretin mimetics as pharmacologic tools to elucidate and as a new drug strategy to treat traumatic brain injury. <i>Journal of Neurochemistry</i> , 2014, 10, S62-S75.		64

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91	Phenserine Efficacy in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2011, 22, 1201-1208.	1.2	62
92	3,6-Dithiothalidomide, a new TNF- α synthesis inhibitor, attenuates the effect of A β ₁₋₄₂ intracerebroventricular injection on hippocampal neurogenesis and memory deficit. <i>Journal of Neurochemistry</i> , 2012, 122, 1181-1192.	2.1	61
93	Kinetics of Human Serum Butyrylcholinesterase Inhibition by a Novel Experimental Alzheimer Therapeutic, Dihydrobenzodioxepine Cymserine. <i>Neurochemical Research</i> , 2008, 33, 745-753.	1.6	60
94	Kinetics of human acetylcholinesterase inhibition by the novel experimental alzheimer therapeutic agent, tolserine. <i>Biochemical Pharmacology</i> , 2000, 60, 561-570.	2.0	59
95	Targets for AD treatment: conflicting messages from β -secretase inhibitors. <i>Journal of Neurochemistry</i> , 2011, 117, 359-374.	2.1	59
96	Total Syntheses and Anticholinesterase Activities of (3aS)-N(8)-Norphysostigmine, (3aS)-N(8)-Norphenserine, Their Antipodal Isomers, and Other N(8)-Substituted Analogues. <i>Journal of Medicinal Chemistry</i> , 1997, 40, 2895-2901.	2.9	58
97	Neuronal Cellular Responses to Extremely Low Frequency Electromagnetic Field Exposure: Implications Regarding Oxidative Stress and Neurodegeneration. <i>PLoS ONE</i> , 2014, 9, e104973.	1.1	58
98	Rivastigmine Lowers A β and Increases sAPP β Levels, Which Parallel Elevated Synaptic Markers and Metabolic Activity in Degenerating Primary Rat Neurons. <i>PLoS ONE</i> , 2011, 6, e21954.	1.1	58
99	Tetrahydrofurobenzofuran cymserine, a potent butyrylcholinesterase inhibitor and experimental Alzheimer drug candidate, enzyme kinetic analysis. <i>Journal of Neural Transmission</i> , 2008, 115, 889-898.	1.4	57
100	Neuroprotective Mechanisms Mediated by CDK5 Inhibition. <i>Current Pharmaceutical Design</i> , 2016, 22, 527-534.	0.9	57
101	Cholesterol and Alzheimers Disease: Clinical and Experimental Models Suggest Interactions of Different Genetic, Dietary and Environmental Risk Factors. <i>Current Drug Targets</i> , 2004, 5, 517-528.	1.0	57
102	Nanotechnology Based Theranostic Approaches in Alzheimer's Disease Management: Current Status and Future Perspective. <i>Current Alzheimer Research</i> , 2017, 14, 1164-1181.	0.7	57
103	miRNAs as Circulating Biomarkers for Alzheimer's Disease and Parkinson's Disease. <i>Medicinal Chemistry</i> , 2016, 12, 217-225.	0.7	57
104	The alpha-synuclein 5' untranslated region targeted translation blockers: anti-alpha synuclein efficacy of cardiac glycosides and Posiphen. <i>Journal of Neural Transmission</i> , 2011, 118, 493-507.	1.4	56
105	Exendin-4 Ameliorates Traumatic Brain Injury-Induced Cognitive Impairment in Rats. <i>PLoS ONE</i> , 2013, 8, e82016.	1.1	56
106	Neuroinflammation and ER-stress are key mechanisms of acute bilirubin toxicity and hearing loss in a mouse model. <i>PLoS ONE</i> , 2018, 13, e0201022.	1.1	56
107	The importance of the nine-amino acid C-terminal sequence of exendin-4 for binding to the GLP-1 receptor and for biological activity. <i>Regulatory Peptides</i> , 2003, 114, 153-158.	1.9	54
108	Lost in Translation: Neuropsychiatric Drug Development. <i>Science Translational Medicine</i> , 2010, 2, 61rv6.	5.8	54

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109	A new roadmap for drug development for Alzheimer's disease. <i>Nature Reviews Drug Discovery</i> , 2014, 13, 156-156.	21.5	54
110	Traumatic brain injury increases plasma astrocyte-derived exosome levels of neurotoxic complement proteins. <i>FASEB Journal</i> , 2020, 34, 3359-3366.	0.2	54
111	Tight binding dopamine reuptake inhibitors as cocaine antagonists. <i>FEBS Letters</i> , 1989, 257, 341-344.	1.3	53
112	Novel Anticholinesterases Based on the Molecular Skeletons of Furobenzofuran and Methanobenzodioxepine. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 986-994.	2.9	53
113	Cytokine Imbalance in Schizophrenia. From Research to Clinic: Potential Implications for Treatment. <i>Frontiers in Psychiatry</i> , 2021, 12, 536257.	1.3	53
114	Engineered Nanoparticles Against MDR in Cancer: The State of the Art and its Prospective. <i>Current Pharmaceutical Design</i> , 2016, 22, 4360-4373.	0.9	53
115	Neuroprotective effects of pifithrin- α against traumatic brain injury in the striatum through suppression of neuroinflammation, oxidative stress, autophagy, and apoptosis. <i>Scientific Reports</i> , 2018, 8, 2368.	1.6	52
116	Role of chronic neuroinflammation in neuroplasticity and cognitive function: A hypothesis. <i>Alzheimer's and Dementia</i> , 2022, 18, 2327-2340.	0.4	51
117	Neurotrophic and Neuroprotective Actions of (α)- and (+)-Phenserine, Candidate Drugs for Alzheimer's Disease. <i>PLoS ONE</i> , 2013, 8, e54887.	1.1	50
118	Pyridoxine-induced toxicity in rats: a stereological quantification of the sensory neuropathy. <i>Experimental Neurology</i> , 2004, 190, 133-144.	2.0	49
119	Synergistic effect of apolipoprotein E ϵ 4 and butyrylcholinesterase K-variant on progression from mild cognitive impairment to Alzheimer's disease. <i>Pharmacogenetics and Genomics</i> , 2008, 18, 289-298.	0.7	49
120	Blast traumatic brain injury-induced cognitive deficits are attenuated by preinjury or postinjury treatment with the glucagon-like peptide-1 receptor agonist, exendin-4. <i>Alzheimer's and Dementia</i> , 2016, 12, 34-48.	0.4	48
121	Maze learning in aged rats is enhanced by phenserine, a novel anticholinesterase. <i>NeuroReport</i> , 1995, 6, 481-484.	0.6	46
122	Presence of a CAGA box in the APP gene unique to amyloid plaque-forming species and absent in all APLP ϵ 2 genes: implications in Alzheimer's disease. <i>FASEB Journal</i> , 2004, 18, 1288-1290.	0.2	45
123	Selective Acetyl- and Butyrylcholinesterase Inhibitors Reduce Amyloid- β ; Ex Vivo Activation of Peripheral Chemo-cytokines From Alzheimer's Disease Subjects: Exploring the Cholinergic Anti-inflammatory Pathway. <i>Current Alzheimer Research</i> , 2014, 11, 608-622.	0.7	45
124	Post-treatment with PT302, a long-acting Exendin-4 sustained release formulation, reduces dopaminergic neurodegeneration in a 6-Hydroxydopamine rat model of Parkinson's disease. <i>Scientific Reports</i> , 2018, 8, 10722.	1.6	44
125	Immunomodulatory drugs alleviate dopamine-induced dyskinesia in a rat model of Parkinson's disease. <i>Movement Disorders</i> , 2019, 34, 1818-1830.	2.2	44
126	Rivastigmine modifies the β -secretase pathway and potentially early Alzheimer's disease. <i>Translational Psychiatry</i> , 2020, 10, 47.	2.4	44

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127	<i>In vivo</i> screening and discovery of novel candidate thalidomide analogs in the zebrafish embryo and chicken embryo model systems. <i>Oncotarget</i> , 2016, 7, 33237-33245.	0.8	44
128	Kinetics of Human Erythrocyte Acetylcholinesterase Inhibition by a Novel Derivative of Physostigmine: Phenserine. <i>Biochemical and Biophysical Research Communications</i> , 1998, 248, 180-185.	1.0	43
129	Roles of p75NTR, Long-Term Depression, and Cholinergic Transmission in Anxiety and Acute Stress Coping. <i>Biological Psychiatry</i> , 2012, 71, 75-83.	0.7	43
130	Combination therapy with lenalidomide and nanoceria ameliorates CNS autoimmunity. <i>Experimental Neurology</i> , 2015, 273, 151-160.	2.0	43
131	A cellular model of inflammation for identifying TNF- α synthesis inhibitors. <i>Journal of Neuroscience Methods</i> , 2009, 183, 182-187.	1.3	42
132	A Bayesian Model for the Prediction and Early Diagnosis of Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 77.	1.7	42
133	Neuronal Enriched Extracellular Vesicle Proteins as Biomarkers for Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2019, 36, 975-987.	1.7	42
134	Kinetics of human serum butyrylcholinesterase and its inhibition by a novel experimental Alzheimer therapeutic, bisnorcymserine. <i>Journal of Alzheimer's Disease</i> , 2006, 10, 43-51.	1.2	40
135	Anticholinesterase and Pharmacokinetic Profile of Phenserine in Healthy Elderly Human Subjects. <i>Current Alzheimer Research</i> , 2005, 2, 483-492.	0.7	39
136	Identification of Novel Small Molecule Inhibitors of Amyloid Precursor Protein Synthesis as a Route to Lower Alzheimer's Disease Amyloid- β Peptide. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 318, 855-862.	1.3	39
137	Alzheimer's Disease And Type 2 Diabetes: Exploring The Association To Obesity And Tyrosine Hydroxylase. <i>CNS and Neurological Disorders - Drug Targets</i> , 2012, 11, 482-489.	0.8	39
138	Pomalidomide mitigates neuronal loss, neuroinflammation, and behavioral impairments induced by traumatic brain injury in rat. <i>Journal of Neuroinflammation</i> , 2016, 13, 168.	3.1	39
139	Exendin-4 attenuates blast traumatic brain injury induced cognitive impairments, losses of synaptophysin and in vitro TBI-induced hippocampal cellular degeneration. <i>Scientific Reports</i> , 2017, 7, 3735.	1.6	39
140	Commonalities in Biological Pathways, Genetics, and Cellular Mechanism between Alzheimer Disease and Other Neurodegenerative Diseases: An In Silico-Updated Overview. <i>Current Alzheimer Research</i> , 2017, 14, 1190-1197.	0.7	39
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