Ashley Bush

List of Publications by Year
in descending order

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520 papers	67,949 citations	640 123 h-index	849 244 g-index
571 all docs	571 docs citations	571 times ranked	46840 citing authors

#	Article	IF	Citations
1	Ferroptosis: A Regulated Cell Death Nexus Linking Metabolism, Redox Biology, and Disease. Cell, 2017, 171, 273-285.	13.5	4,081
2	Neurodegenerative diseases and oxidative stress. Nature Reviews Drug Discovery, 2004, 3, 205-214.	21.5	2,923
3	Soluble pool of A? amyloid as a determinant of severity of neurodegeneration in Alzheimer's disease. Annals of Neurology, 1999, 46, 860-866.	2.8	1,721
4	The neurobiology of zinc in health and disease. Nature Reviews Neuroscience, 2005, 6, 449-462.	4.9	1,633
5	Rapid induction of Alzheimer A beta amyloid formation by zinc. Science, 1994, 265, 1464-1467.	6.0	1,521
6	Treatment with a Copper-Zinc Chelator Markedly and Rapidly Inhibits Î²-Amyloid Accumulation in Alzheimer's Disease Transgenic Mice. Neuron, 2001, 30, 665-676.	3.8	1,419
7	The Wilson disease gene is a copper transporting ATPase with homology to the Menkes disease gene. Nature Genetics, 1993, 5, 344-350.	9.4	1,307
8	The metallobiology of Alzheimer's disease. Trends in Neurosciences, 2003, 26, 207-214.	4.2	1,191
9	The AÎ² Peptide of Alzheimer's Disease Directly Produces Hydrogen Peroxide through Metal Ion Reductionâ€. Biochemistry, 1999, 38, 7609-7616.	1.2	1,098
10	Metal-Protein Attenuation With Iodochlorhydroxyquin (Clioquinol) Targeting AÎ² Amyloid Deposition and Toxicity in Alzheimer Disease. Archives of Neurology, 2003, 60, 1685.	4.9	951
11	Dramatic Aggregation of Alzheimer AÎ² by Cu(II) Is Induced by Conditions Representing Physiological Acidosis. Journal of Biological Chemistry, 1998, 273, 12817-12826.	1.6	935
12	Oxidative stress in psychiatric disorders: evidence base and therapeutic implications. International Journal of Neuropsychopharmacology, 2008, 11, 851-76.	1.0	821
13	Metals and neuroscience. Current Opinion in Chemical Biology, 2000, 4, 184-191.	2.8	695
14	Cu(II) Potentiation of Alzheimer AÎ² Neurotoxicity. Journal of Biological Chemistry, 1999, 274, 37111-37116.	1.6	688
15	The Australian Imaging, Biomarkers and Lifestyle (AIBL) study of aging: methodology and baseline characteristics of 1112 individuals recruited for a longitudinal study of Alzheimer's disease. International Psychogeriatrics, 2009, 21, 672-687.	0.6	661
16	Safety, efficacy, and biomarker findings of PBT2 in targeting AÎ² as a modifying therapy for Alzheimer's disease: a phase IIa, double-blind, randomised, placebo-controlled trial. Lancet Neurology, The, 2008, 7, 779-786.	4.9	657
17	Zinc in the physiology and pathology of the CNS. Nature Reviews Neuroscience, 2009, 10, 780-791.	4.9	647
18	Metals in Alzheimer's and Parkinson's Diseases. Current Opinion in Chemical Biology, 2008, 12, 222-228.	2.8	640

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19	Rapid Restoration of Cognition in Alzheimer's Transgenic Mice with 8-Hydroxy Quinoline Analogs Is Associated with Decreased Interstitial AÎ². Neuron, 2008, 59, 43-55.	3.8	629
20	Iron-Export Ferroxidase Activity of Î²-Amyloid Precursor Protein Is Inhibited by Zinc in Alzheimer's Disease. Cell, 2010, 142, 857-867.	13.5	597
21	Alzheimer's Disease Amyloid-Î² Binds Copper and Zinc to Generate an Allosterically Ordered Membrane-penetrating Structure Containing Superoxide Dismutase-like Subunits. Journal of Biological Chemistry, 2001, 276, 20466-20473.	1.6	595
22	Genetic or Pharmacological Iron Chelation Prevents MPTP-Induced Neurotoxicity In Vivo. Neuron, 2003, 37, 899-909.	3.8	594
23	Characterization of Copper Interactions with Alzheimer Amyloid Î² Peptides. Journal of Neurochemistry, 2008, 75, 1219-1233.	2.1	566
24	Metalloenzyme-like Activity of Alzheimer's Disease Î²-Amyloid. Journal of Biological Chemistry, 2002, 277, 40302-40308.	1.6	536
25	Connecting copper and cancer: from transition metal signalling to metalloplasia. Nature Reviews Cancer, 2022, 22, 102-113.	12.8	519
26	Therapeutics for Alzheimer's Disease Based on the Metal Hypothesis. Neurotherapeutics, 2008, 5, 421-432.	2.1	512
27	LDL receptor-related protein, a multifunctional ApoE receptor, binds secreted Î²-amyloid precursor protein and mediates its degradation. Cell, 1995, 82, 331-340.	13.5	499
28	Tau deficiency induces parkinsonism with dementia by impairing APP-mediated iron export. Nature Medicine, 2012, 18, 291-295.	15.2	491
29	N-Acetyl Cysteine as a Glutathione Precursor for Schizophreniaâ€”A Double-Blind, Randomized, Placebo-Controlled Trial. Biological Psychiatry, 2008, 64, 361-368.	0.7	489
30	An Iron-responsive Element Type II in the 5â€²-Untranslated Region of the Alzheimer's Amyloid Precursor Protein Transcript. Journal of Biological Chemistry, 2002, 277, 45518-45528.	1.6	474
31	Aqueous Dissolution of Alzheimer's Disease AÎ² Amyloid Deposits by Biometal Depletion. Journal of Biological Chemistry, 1999, 274, 23223-23228.	1.6	454
32	N-Acetyl Cysteine for Depressive Symptoms in Bipolar Disorderâ€”A Double-Blind Randomized Placebo-Controlled Trial. Biological Psychiatry, 2008, 64, 468-475.	0.7	452
33	Tau-mediated iron export prevents ferroptotic damage after ischemic stroke. Molecular Psychiatry, 2017, 22, 1520-1530.	4.1	449
34	Biological metals and metal-targeting compounds in major neurodegenerative diseases. Chemical Society Reviews, 2014, 43, 6727-6749.	18.7	417
35	Iron neurochemistry in Alzheimer's disease and Parkinson's disease: targets for therapeutics. Journal of Neurochemistry, 2016, 139, 179-197.	2.1	417
36	Overcoming the Bloodâ€“Brain Barrier: The Role of Nanomaterials in Treating Neurological Diseases. Advanced Materials, 2018, 30, e1801362.	11.1	415

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37	Copper in the brain and Alzheimerâ€™s disease. Journal of Biological Inorganic Chemistry, 2010, 15, 61-76.	1.1	396
38	Redox-Active Metals, Oxidative Stress, and Alzheimer's Disease Pathology. Annals of the New York Academy of Sciences, 2004, 1012, 153-163.	1.8	381
39	Metal dyshomeostasis and oxidative stress in Alzheimerâ€™s disease. Neurochemistry International, 2013, 62, 540-555.	1.9	376
40	Evidence that the Î²-Amyloid Plaques of Alzheimer's Disease Represent the Redox-silencing and Entombment of AÎ² by Zinc. Journal of Biological Chemistry, 2000, 275, 19439-19442.	1.6	366
41	Copper Mediates Dityrosine Cross-Linking of Alzheimer's Amyloid-Î². Biochemistry, 2004, 43, 560-568.	1.2	362
42	Redox-active iron mediates amyloid-Î² toxicity. Free Radical Biology and Medicine, 2001, 30, 447-450.	1.3	356
43	Blood-Based Protein Biomarkers for Diagnosis of Alzheimer Disease. Archives of Neurology, 2012, 69, 1318.	4.9	348
44	PBT2 Rapidly Improves Cognition in Alzheimer's Disease: Additional Phase II Analyses. Journal of Alzheimer's Disease, 2010, 20, 509-516.	1.2	347
45	Synaptically released zinc: physiological functions and pathological effects. BioMetals, 2001, 14, 353-366.	1.8	332
46	Cognitive Loss in Zinc Transporter-3 Knock-Out Mice: A Phenocopy for the Synaptic and Memory Deficits of Alzheimer's Disease?. Journal of Neuroscience, 2010, 30, 1631-1636.	1.7	327
47	Overexpression of Alzheimer's Disease Amyloid-Î² Opposes the Age-dependent Elevations of Brain Copper and Iron. Journal of Biological Chemistry, 2002, 277, 44670-44676.	1.6	324
48	Cytosolic Î²-amyloid deposition and supranuclear cataracts in lenses from people with Alzheimer's disease. Lancet, The, 2003, 361, 1258-1265.	6.3	323
49	Glutathione Precursor, N-Acetyl-Cysteine, Improves Mismatch Negativity in Schizophrenia Patients. Neuropsychopharmacology, 2008, 33, 2187-2199.	2.8	321
50	A delicate balance: Iron metabolism and diseases of the brain. Frontiers in Aging Neuroscience, 2013, 5, 34.	1.7	314
51	Striking while the iron is hot: Iron metabolism and ferroptosis in neurodegeneration. Free Radical Biology and Medicine, 2019, 133, 221-233.	1.3	312
52	Increased Risk of Cognitive Impairment in Patients With Diabetes Is Associated With Metformin. Diabetes Care, 2013, 36, 2981-2987.	4.3	308
53	Metals and Alzheimer's disease. Journal of Alzheimer's Disease, 2006, 10, 145-163.	1.2	306
54	Metal complexing agents as therapies for Alzheimerâ€™s disease. Neurobiology of Aging, 2002, 23, 1031-1038.	1.5	303

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55	Metals and amyloid-Î² in Alzheimer's disease. International Journal of Experimental Pathology, 2005, 86, 147-159.	0.6	303
56	Metallostasis in Alzheimer's disease. Free Radical Biology and Medicine, 2013, 62, 76-89.	1.3	297
57	Mitochondrial Oxidative Stress Causes Hyperphosphorylation of Tau. PLoS ONE, 2007, 2, e536.	1.1	291
58	The Neurophysiology and Pathology of Brain Zinc. Journal of Neuroscience, 2011, 31, 16076-16085.	1.7	291
59	Zinc-induced Alzheimer's AÎ²1â€“40 Aggregation Is Mediated by Conformational Factors. Journal of Biological Chemistry, 1997, 272, 26464-26470.	1.6	287
60	Copper levels are increased in the cerebral cortex and liver of APP and APLP2 knockout mice. Brain Research, 1999, 842, 439-444.	1.1	279
61	Degradation of the Alzheimer Disease Amyloid Î²-Peptide by Metal-dependent Up-regulation of Metalloprotease Activity. Journal of Biological Chemistry, 2006, 281, 17670-17680.	1.6	267
62	Hypoxia-inducible Factor Prolyl 4-Hydroxylase Inhibition. Journal of Biological Chemistry, 2005, 280, 41732-41743.	1.6	265
63	Copper and Zinc Binding Modulates the Aggregation and Neurotoxic Properties of the Prion Peptide PrP106â^'126. Biochemistry, 2001, 40, 8073-8084.	1.2	264
64	Iron accumulation in senescent cells is coupled with impaired ferritinophagy and inhibition of ferroptosis. Redox Biology, 2018, 14, 100-115.	3.9	261
65	Ferroptosis and cell death mechanisms in Parkinson's disease. Neurochemistry International, 2017, 104, 34-48.	1.9	260
66	Increasing Cu bioavailability inhibits AÎ² oligomers and tau phosphorylation. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 381-386.	3.3	259
67	Biological metals and Alzheimer's disease: Implications for therapeutics and diagnostics. Progress in Neurobiology, 2010, 92, 1-18.	2.8	256
68	Tyrosine gated electron transfer is key to the toxic mechanism of Alzheimer's disease Î²â€amyloid. FASEB Journal, 2004, 18, 1427-1429.	0.2	251
69	Dietary and lifestyle guidelines for the prevention of Alzheimer's disease. Neurobiology of Aging, 2014, 35, S74-S78.	1.5	251
70	Drug Development Based on the Metals Hypothesis of Alzheimer's Disease. Journal of Alzheimer's Disease, 2008, 15, 223-240.	1.2	250
71	Ferritin levels in the cerebrospinal fluid predict Alzheimerâ€™s disease outcomes and are regulated by APOE. Nature Communications, 2015, 6, 6760.	5.8	240
72	The amyloid precursor protein of Alzheimer's disease is released by human platelets. Journal of Biological Chemistry, 1990, 265, 15977-83.	1.6	236

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73	Elevated cortical zinc in Alzheimer disease. Neurology, 2006, 67, 69-75.	1.5	235
74	The role of metallobiology and amyloidâ€Î² peptides in Alzheimerâ€™s disease. Journal of Neurochemistry, 2012, 120, 149-166.	2.1	233
75	Modulation of A beta adhesiveness and secretase site cleavage by zinc. Journal of Biological Chemistry, 1994, 269, 12152-8.	1.6	230
76	Homocysteine potentiates copper- and amyloid beta peptide-mediated toxicity in primary neuronal cultures: possible risk factors in the Alzheimer's-type neurodegenerative pathways. Journal of Neurochemistry, 2001, 76, 1509-1520.	2.1	228
77	Mechanisms of AÎ² mediated neurodegeneration in Alzheimer's disease. International Journal of Biochemistry and Cell Biology, 2008, 40, 181-198.	1.2	220
78	A novel zinc(II) binding site modulates the function of the beta A4 amyloid protein precursor of Alzheimer's disease. Journal of Biological Chemistry, 1993, 268, 16109-12.	1.6	220
79	Trace metal contamination initiates the apparent auto-aggregation, amyloidosis, and oligomerization of Alzheimer?s A? peptides. Journal of Biological Inorganic Chemistry, 2004, 9, 954-960.	1.1	218
80	Ceruloplasmin dysfunction and therapeutic potential for Parkinson disease. Annals of Neurology, 2013, 73, 554-559.	2.8	218
81	The Metal Theory of Alzheimer's Disease. Journal of Alzheimer's Disease, 2012, 33, S277-S281.	1.2	214
82	The Alzheimer's Disease Amyloid Precursor Protein Modulates Copper-Induced Toxicity and Oxidative Stress in Primary Neuronal Cultures. Journal of Neuroscience, 1999, 19, 9170-9179.	1.7	213
83	Cerebral quantitative susceptibility mapping predicts amyloid-Î²-related cognitive decline. Brain, 2017, 140, 2112-2119.	3.7	213
84	Selenium, selenoproteins and neurodegenerative diseases. Metallomics, 2015, 7, 1213-1228.	1.0	210
85	Iron and Alzheimerâ€™s Disease: An Update on Emerging Mechanisms. Journal of Alzheimer's Disease, 2018, 64, S379-S395.	1.2	205
86	Brain iron is associated with accelerated cognitive decline in people with Alzheimer pathology. Molecular Psychiatry, 2020, 25, 2932-2941.	4.1	202
87	Clinical quantitative susceptibility mapping (QSM): Biometal imaging and its emerging roles in patient care. Journal of Magnetic Resonance Imaging, 2017, 46, 951-971.	1.9	199
88	Current Status of Metals as Therapeutic Targets in Alzheimer's Disease. Journal of the American Geriatrics Society, 2003, 51, 1143-1148.	1.3	198
89	Glutathione peroxidase 4: a new player in neurodegeneration?. Molecular Psychiatry, 2017, 22, 328-335.	4.1	196
90	Metal Ions, pH, and Cholesterol Regulate the Interactions of Alzheimer's Disease Amyloid-Î² Peptide with Membrane Lipid. Journal of Biological Chemistry, 2003, 278, 2977-2982.	1.6	190

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91	Utility of an improved model of amyloid-beta (AÎ²1-42) toxicity in Caenorhabditis elegans for drug screening for Alzheimerâ€™s disease. Molecular Neurodegeneration, 2012, 7, 57.	4.4	188
92	Physical activity and amyloid-Î² plasma and brain levels: results from the Australian Imaging, Biomarkers and Lifestyle Study of Ageing. Molecular Psychiatry, 2013, 18, 875-881.	4.1	185
93	Insights into Zn²⁺homeostasis in neurons from experimental and modeling studies. American Journal of Physiology - Cell Physiology, 2008, 294, C726-C742.	2.1	184
94	3-Hydroxykynurenine and 3-Hydroxyanthranilic Acid Generate Hydrogen Peroxide and Promote Î±-Crystallin Cross-Linking by Metal Ion Reductionâ€. Biochemistry, 2000, 39, 7266-7275.	1.2	183
95	Metallothioneins in Brainâ€”The Role in Physiology and Pathology. Toxicology and Applied Pharmacology, 1997, 142, 229-242.	1.3	182
96	Platinum-based inhibitors of amyloid-Î² as therapeutic agents for Alzheimer's disease. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6813-6818.	3.3	182
97	Tau protein: Relevance to Parkinson's disease. International Journal of Biochemistry and Cell Biology, 2010, 42, 1775-1778.	1.2	180
98	Metal Chelation as a Potential Therapy for Alzheimer's Disease. Annals of the New York Academy of Sciences, 2000, 920, 292-304.	1.8	178
99	Neurotoxic, Redox-competent Alzheimer's Î²-Amyloid Is Released from Lipid Membrane by Methionine Oxidation. Journal of Biological Chemistry, 2003, 278, 42959-42965.	1.6	176
100	Copper-mediated Amyloid-Î² Toxicity Is Associated with an Intermolecular Histidine Bridge*. Journal of Biological Chemistry, 2006, 281, 15145-15154.	1.6	170
101	The Alzheimerâ€™s therapeutic PBT2 promotes amyloidâ€Î² degradation and GSK3 phosphorylation via a metal chaperone activity. Journal of Neurochemistry, 2011, 119, 220-230.	2.1	167
102	Glutathione: a novel treatment target in psychiatry. Trends in Pharmacological Sciences, 2008, 29, 346-351.	4.0	166
103	The efficacy of N-acetylcysteine as an adjunctive treatment in bipolar depression: An open label trial. Journal of Affective Disorders, 2011, 135, 389-394.	2.0	162
104	Oral Treatment with CuII(atsm) Increases Mutant SOD1 In Vivo but Protects Motor Neurons and Improves the Phenotype of a Transgenic Mouse Model of Amyotrophic Lateral Sclerosis. Journal of Neuroscience, 2014, 34, 8021-8031.	1.7	161
105	Mechanisms of Copper Ion Mediated Huntington's Disease Progression. PLoS ONE, 2007, 2, e334.	1.1	159
106	Clinical utility of the cogstate brief battery in identifying cognitive impairment in mild cognitive impairment and Alzheimerâ€™s disease. BMC Psychology, 2013, 1, 30.	0.9	153
107	The hypoxia imaging agent CuII(atsm) is neuroprotective and improves motor and cognitive functions in multiple animal models of Parkinsonâ€™s disease. Journal of Experimental Medicine, 2012, 209, 837-854.	4.2	151
108	Oxidative processes in Alzheimer's disease: the role of AÎ²-metal interactions. Experimental Gerontology, 2000, 35, 445-451.	1.2	145

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109	Elevated labile Cu is associated with oxidative pathology in Alzheimer disease. Free Radical Biology and Medicine, 2012, 52, 298-302.	1.3	144
110	Plasma apolipoprotein E and Alzheimer disease risk. Neurology, 2011, 76, 1091-1098.	1.5	142
111	The Efficacy of AdjunctiveN-Acetylcysteine in Major Depressive Disorder. Journal of Clinical Psychiatry, 2014, 75, 628-636.	1.1	142
112	The essential elements of Alzheimerâ€™s disease. Journal of Biological Chemistry, 2021, 296, 100105.	1.6	140
113	Neuronal Zinc Exchange with the Blood Vessel Wall Promotes Cerebral Amyloid Angiopathy in an Animal Model of Alzheimer's Disease. Journal of Neuroscience, 2004, 24, 3453-3459.	1.7	135
114	Blood-brain barrierâ€“penetrating siRNA nanomedicine for Alzheimerâ€™s disease therapy. Science Advances, 2020, 6, .	4.7	135
115	Copper, Â-amyloid, and Alzheimer's disease: Tapping a sensitive connection. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 11193-11194.	3.3	134
116	Computerised cognitive assessment of concussed Australian Rules footballers. British Journal of Sports Medicine, 2001, 35, 354-360.	3.1	133
117	Metals and Alzheimerâ€™s Disease: How Far Have We Come in the Clinic?. Journal of Alzheimer's Disease, 2018, 62, 1369-1379.	1.2	133
118	Preliminary studies of a novel bifunctional metal chelator targeting Alzheimer's amyloidogenesis. Experimental Gerontology, 2004, 39, 1641-1649.	1.2	131
119	Î²-Amyloid Precursor Protein Does Not Possess Ferroxidase Activity but Does Stabilize the Cell Surface Ferrous Iron Exporter Ferroportin. PLoS ONE, 2014, 9, e114174.	1.1	130
120	Alzheimerâ€™s amyloid Î²-peptide (1â€“42): involvement of methionine residue 35 in the oxidative stress and neurotoxicity properties of this peptide. Neurobiology of Aging, 2004, 25, 563-568.	1.5	129
121	Alterations in Brain Transition Metals in Huntington Disease. Archives of Neurology, 2012, 69, 887-93.	4.9	129
122	N-acetyl-L-cysteine improves survival and preserves motor performance in an animal model of familial amyotrophic lateral sclerosis. NeuroReport, 2000, 11, 2491-2493.	0.6	128
123	The galvanization of Â-amyloid in Alzheimer's disease. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 7317-7319.	3.3	127
124	Serum zinc is decreased in Alzheimerâ€™s disease and serum arsenic correlates positively with cognitive ability. BioMetals, 2010, 23, 173-179.	1.8	127
125	Zinc and copper modulate Alzheimer AÎ² levels in human cerebrospinal fluid. Neurobiology of Aging, 2009, 30, 1069-1077.	1.5	126
126	Differential Effects of Apolipoprotein E Isoforms on Metal-Induced Aggregation of AÎ² Using Physiological Concentrationsâ€. Biochemistry, 1999, 38, 4595-4603.	1.2	125

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127	Alzheimer disease Î²-amyloid activity mimics cholesterol oxidase. Journal of Clinical Investigation, 2005, 115, 2556-2563.	3.9	125
128	Iron and the translation of the amyloid precursor protein (APP) and ferritin mRNAs: riboregulation against neural oxidative damage in Alzheimer's disease. Biochemical Society Transactions, 2008, 36, 1282-1287.	1.6	123
129	Plasma Amyloid-Î² as a Biomarker in Alzheimer's Disease: The AIBL Study of Aging. Journal of Alzheimer's Disease, 2010, 20, 1233-1242.	1.2	122
130	GSK-3 in Neurodegenerative Diseases. International Journal of Alzheimer's Disease, 2011, 2011, 1-9.	1.1	119
131	Iron Accumulates in Huntingtonâ€™s Disease Neurons: Protection by Deferoxamine. PLoS ONE, 2013, 8, e77023.	1.1	119
132	Quantitative elemental bio-imaging of Mn, Fe, Cu and Zn in 6-hydroxydopamine induced Parkinsonism mouse models. Metallomics, 2009, 1, 53-58.	1.0	118
133	Motor and cognitive deficits in aged tau knockout mice in two background strains. Molecular Neurodegeneration, 2014, 9, 29.	4.4	117
134	Metal Ionophore Treatment Restores Dendritic Spine Density and Synaptic Protein Levels in a Mouse Model of Alzheimer's Disease. PLoS ONE, 2011, 6, e17669.	1.1	115
135	Effects of Anticholinergic Drugs on Cognitive Function in Older Australians: Results from the AIBL Study. Dementia and Geriatric Cognitive Disorders, 2011, 31, 173-178.	0.7	115
136	Increasing Intracellular Bioavailable Copper Selectively Targets Prostate Cancer Cells. ACS Chemical Biology, 2013, 8, 1621-1631.	1.6	115
137	An anemia of Alzheimer's disease. Molecular Psychiatry, 2014, 19, 1227-1234.	4.1	114
138	Changes in plasma amyloid beta in a longitudinal study of aging and Alzheimer's disease. Alzheimer's and Dementia, 2014, 10, 53-61.	0.4	114
139	Insulin-like Signaling Determines Survival during Stress via Posttranscriptional Mechanisms in C. elegans. Cell Metabolism, 2010, 12, 260-272.	7.2	113
140	Copper: from neurotransmission to neuroproteostasis. Frontiers in Aging Neuroscience, 2014, 6, 143.	1.7	112
141	Methylation of the Imidazole Side Chains of the Alzheimer Disease Amyloid-Î² Peptide Results in Abolition of Superoxide Dismutase-like Structures and Inhibition of Neurotoxicity. Journal of Biological Chemistry, 2005, 280, 13355-13363.	1.6	110
142	Amyloid plaques arise from zinc-enriched cortical layers in APP/PS1 transgenic mice and are paradoxically enlarged with dietary zinc deficiency. Neuroscience, 2007, 150, 357-369.	1.1	110
143	Sequestration of Copper from Î²-Amyloid Promotes Selective Lysis by Cyclen-Hybrid Cleavage Agents. Journal of Biological Chemistry, 2008, 283, 31657-31664.	1.6	109
144	BDNF Val66Met, AÎ² amyloid, and cognitive decline in preclinical Alzheimer's disease. Neurobiology of Aging, 2013, 34, 2457-2464.	1.5	109

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145	Parkinson's Disease Iron Deposition Caused by Nitric Oxide-Induced Loss of Î²-Amyloid Precursor Protein. Journal of Neuroscience, 2015, 35, 3591-3597.	1.7	109
146	Biometals and Their Therapeutic Implications in Alzheimer's Disease. Neurotherapeutics, 2015, 12, 109-120.	2.1	109
147	The Caenorhabditis elegans AÎ²1â€“42 Model of Alzheimer Disease Predominantly Expresses AÎ²3â€“42. Journal of Biological Chemistry, 2009, 284, 22697-22702.	1.6	108
148	A blood-based predictor for neocortical AÎ² burden in Alzheimerâ€™s disease: results from the AIBL study. Molecular Psychiatry, 2014, 19, 519-526.	4.1	108
149	The amyloid beta-protein precursor and its mammalian homologues. Evidence for a zinc-modulated heparin-binding superfamily.. Journal of Biological Chemistry, 1994, 269, 26618-26621.	1.6	105
150	Copper, Zinc, and the Metallobiology of Alzheimer Disease. Alzheimer Disease and Associated Disorders, 2003, 17, 147-150.	0.6	103
151	Alzheimer's Disease, Î²-Amyloid Protein and Zinc. Journal of Nutrition, 2000, 130, 1488S-1492S.	1.3	102
152	Meta-Analysis of Serum Non-Ceruloplasmin Copper in Alzheimer's Disease. Journal of Alzheimer's Disease, 2013, 38, 809-822.	1.2	101
153	Enhanced Toxicity and Cellular Binding of a Modified Amyloid Î² Peptide with a Methionine to Valine Substitution. Journal of Biological Chemistry, 2004, 279, 42528-42534.	1.6	99
154	N-acetylcysteine for major depressive episodes in bipolar disorder. Revista Brasileira De Psiquiatria, 2011, 33, 374-378.	0.9	99
155	Associations between gonadotropins, testosterone and Î² amyloid in men at risk of Alzheimerâ€™s disease. Molecular Psychiatry, 2014, 19, 69-75.	4.1	98
156	An ironâ€“dopamine index predicts risk of parkinsonian neurodegeneration in the substantia nigra pars compacta. Chemical Science, 2014, 5, 2160-2169.	3.7	98
157	Alzheimerâ€™s Disease: A Journey from Amyloid Peptides and Oxidative Stress, to Biomarker Technologies and Disease Prevention Strategiesâ€”Gains from AIBL and DIAN Cohort Studies. Journal of Alzheimer's Disease, 2018, 62, 965-992.	1.2	96
158	Relative Increase in Alzheimer's Disease of Soluble Forms of Cerebral AÎ² Amyloid Protein Precursor Containing the Kunitz Protease Inhibitory Domain. Journal of Biological Chemistry, 1998, 273, 5013-5019.	1.6	95
159	Iron as a therapeutic target for Parkinson's disease. Movement Disorders, 2018, 33, 568-574.	2.2	94
160	Gender and genetic background effects on brain metal levels in APP transgenic and normal mice: Implications for Alzheimer Î²-amyloid pathology. Journal of Inorganic Biochemistry, 2006, 100, 952-962.	1.5	93
161	N-acetyl cysteine add-on treatment for bipolar II disorder: a subgroup analysis of a randomized placebo-controlled trial. Journal of Affective Disorders, 2011, 129, 317-320.	2.0	93
162	Cu^{II}(atsm) inhibits ferroptosis: Implications for treatment of neurodegenerative disease. British Journal of Pharmacology, 2020, 177, 656-667.	2.7	92

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163	Copper transport into the secretory pathway is regulated by oxygen in macrophages. Journal of Cell Science, 2009, 122, 1315-1321.	1.2	90
164	Copper Promotes the Trafficking of the Amyloid Precursor Protein. Journal of Biological Chemistry, 2011, 286, 8252-8262.	1.6	90
165	Three-Month Stability of the CogState Brief Battery in Healthy Older Adults, Mild Cognitive Impairment, and Alzheimer's Disease: Results from the Australian Imaging, Biomarkers, and Lifestyle-Rate of Change Substudy (AIBL-ROCS). Archives of Clinical Neuropsychology, 2013, 28, 320-330.	0.3	90
166	Ferroptosis as a mechanism of neurodegeneration in Alzheimer's disease. Journal of Neurochemistry, 2021, 159, 804-825.	2.1	89
167	The amyloid beta-protein precursor and its mammalian homologues. Evidence for a zinc-modulated heparin-binding superfamily. Journal of Biological Chemistry, 1994, 269, 26618-21.	1.6	89
168	Methionine regulates copper/hydrogen peroxide oxidation products of AÎ². Journal of Peptide Science, 2005, 11, 353-360.	0.8	88
169	Cognitive effects of adjunctive N-acetyl cysteine in psychosis. Psychological Medicine, 2017, 47, 866-876.	2.7	88
170	Thrombin induces ACSL4-dependent ferroptosis during cerebral ischemia/reperfusion. Signal Transduction and Targeted Therapy, 2022, 7, 59.	7.1	88
171	An increased neutrophilâ€“lymphocyte ratio in Alzheimer's disease is a function of age and is weakly correlated with neocortical amyloid accumulation. Journal of Neuroimmunology, 2014, 273, 65-71.	1.1	87
172	Interaction between the zinc(II) and the heparin binding site of the Alzheimer's disease Î²A4 amyloid precursor protein (APP). FEBS Letters, 1994, 355, 151-154.	1.3	86
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