

# Ashley Bush

## List of Publications by Citations

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503  
papers

53,921  
citations

114  
h-index

222  
g-index

571  
ext. papers

60,732  
ext. citations

7.4  
avg, IF

7.72  
L-index

#	Paper	IF	Citations
503	Neurodegenerative diseases and oxidative stress. <i>Nature Reviews Drug Discovery</i> , <b>2004</b> , 3, 205-14	64.1	2474
502	Ferroptosis: A Regulated Cell Death Nexus Linking Metabolism, Redox Biology, and Disease. <i>Cell</i> , <b>2017</b> , 171, 273-285	56.2	1985
501	Soluble pool of Abeta amyloid as a determinant of severity of neurodegeneration in Alzheimer's disease. <i>Annals of Neurology</i> , <b>1999</b> , 46, 860-6	9.4	1572
500	The neurobiology of zinc in health and disease. <i>Nature Reviews Neuroscience</i> , <b>2005</b> , 6, 449-62	13.5	1390
499	Rapid induction of Alzheimer A beta amyloid formation by zinc. <i>Science</i> , <b>1994</b> , 265, 1464-7	33.3	1381
498	Treatment with a copper-zinc chelator markedly and rapidly inhibits beta-amyloid accumulation in Alzheimer's disease transgenic mice. <i>Neuron</i> , <b>2001</b> , 30, 665-76	13.9	1276
497	The Wilson disease gene is a copper transporting ATPase with homology to the Menkes disease gene. <i>Nature Genetics</i> , <b>1993</b> , 5, 344-50	36.3	1153
496	The metallobiology of Alzheimer's disease. <i>Trends in Neurosciences</i> , <b>2003</b> , 26, 207-14	13.3	1074
495	The A beta peptide of Alzheimer's disease directly produces hydrogen peroxide through metal ion reduction. <i>Biochemistry</i> , <b>1999</b> , 38, 7609-16	3.2	1016
494	Metal-protein attenuation with iodochlorhydroxyquin (clioquinol) targeting Abeta amyloid deposition and toxicity in Alzheimer disease: a pilot phase 2 clinical trial. <i>Archives of Neurology</i> , <b>2003</b> , 60, 1685-91		861
493	Dramatic aggregation of Alzheimer abeta by Cu(II) is induced by conditions representing physiological acidosis. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 12817-26	5.4	814
492	Oxidative stress in psychiatric disorders: evidence base and therapeutic implications. <i>International Journal of Neuropsychopharmacology</i> , <b>2008</b> , 11, 851-76	5.8	669
491	Metals and neuroscience. <i>Current Opinion in Chemical Biology</i> , <b>2000</b> , 4, 184-91	9.7	633
490	Cu(II) potentiation of alzheimer abeta neurotoxicity. Correlation with cell-free hydrogen peroxide production and metal reduction. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 37111-6	5.4	602
489	Safety, efficacy, and biomarker findings of PBT2 in targeting Abeta as a modifying therapy for Alzheimer's disease: a phase IIa, double-blind, randomised, placebo-controlled trial. <i>Lancet Neurology, The</i> , <b>2008</b> , 7, 779-86	24.1	577
488	Metals in Alzheimer's and Parkinson's diseases. <i>Current Opinion in Chemical Biology</i> , <b>2008</b> , 12, 222-8	9.7	573
487	Rapid restoration of cognition in Alzheimer's transgenic mice with 8-hydroxy quinoline analogs is associated with decreased interstitial Abeta. <i>Neuron</i> , <b>2008</b> , 59, 43-55	13.9	565

486	Zinc in the physiology and pathology of the CNS. <i>Nature Reviews Neuroscience</i> , <b>2009</b> , 10, 780-91	13.5	537
485	Genetic or pharmacological iron chelation prevents MPTP-induced neurotoxicity in vivo: a novel therapy for Parkinson's disease. <i>Neuron</i> , <b>2003</b> , 37, 899-909	13.9	535
484	Alzheimer's disease amyloid-beta binds copper and zinc to generate an allosterically ordered membrane-penetrating structure containing superoxide dismutase-like subunits. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 20466-73	5.4	530
483	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. <i>International Psychogeriatrics</i> , <b>2009</b> , 21, 672-87	3.4	506
482	Iron-export ferroxidase activity of Amyloid precursor protein is inhibited by zinc in Alzheimer's disease. <i>Cell</i> , <b>2010</b> , 142, 857-67	56.2	483
481	Characterization of copper interactions with alzheimer amyloid beta peptides: identification of an attomolar-affinity copper binding site on amyloid beta1-42. <i>Journal of Neurochemistry</i> , <b>2000</b> , 75, 1219-33	6	479
480	Metalloenzyme-like activity of Alzheimer's disease beta-amyloid. Cu-dependent catalytic conversion of dopamine, cholesterol, and biological reducing agents to neurotoxic H <sub>2</sub> O <sub>2</sub> . <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 40302-8	5.4	472
479	LDL receptor-related protein, a multifunctional ApoE receptor, binds secreted beta-amyloid precursor protein and mediates its degradation. <i>Cell</i> , <b>1995</b> , 82, 331-40	56.2	459
478	Therapeutics for Alzheimer's disease based on the metal hypothesis. <i>Neurotherapeutics</i> , <b>2008</b> , 5, 421-32	6.4	437
477	N-acetyl cysteine as a glutathione precursor for schizophrenia--a double-blind, randomized, placebo-controlled trial. <i>Biological Psychiatry</i> , <b>2008</b> , 64, 361-8	7.9	415
476	N-acetyl cysteine for depressive symptoms in bipolar disorder--a double-blind randomized placebo-controlled trial. <i>Biological Psychiatry</i> , <b>2008</b> , 64, 468-75	7.9	401
475	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> , <b>2002</b> , 277, 45518-28	5.4	395
474	Tau deficiency induces parkinsonism with dementia by impairing APP-mediated iron export. <i>Nature Medicine</i> , <b>2012</b> , 18, 291-5	50.5	385
473	Aqueous dissolution of Alzheimer's disease Abeta amyloid deposits by biometal depletion. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 23223-8	5.4	372
472	Biological metals and metal-targeting compounds in major neurodegenerative diseases. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 6727-49	58.5	336
471	Copper in the brain and Alzheimer's disease. <i>Journal of Biological Inorganic Chemistry</i> , <b>2010</b> , 15, 61-76	3.7	330
470	Redox-active metals, oxidative stress, and Alzheimer's disease pathology. <i>Annals of the New York Academy of Sciences</i> , <b>2004</b> , 1012, 153-63	6.5	329
469	Copper mediates dityrosine cross-linking of Alzheimer's amyloid-beta. <i>Biochemistry</i> , <b>2004</b> , 43, 560-8	3.2	317

468	Redox-active iron mediates amyloid-beta toxicity. <i>Free Radical Biology and Medicine</i> , <b>2001</b> , 30, 447-50	7.8	310
467	Evidence that the beta-amyloid plaques of Alzheimer's disease represent the redox-silencing and entombment of abeta by zinc. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 19439-42	5.4	309
466	PBT2 rapidly improves cognition in Alzheimer's Disease: additional phase II analyses. <i>Journal of Alzheimer's Disease</i> , <b>2010</b> , 20, 509-16	4.3	306
465	Iron neurochemistry in Alzheimer's disease and Parkinson's disease: targets for therapeutics. <i>Journal of Neurochemistry</i> , <b>2016</b> , 139 Suppl 1, 179-197	6	289
464	Metal dyshomeostasis and oxidative stress in Alzheimer's disease. <i>Neurochemistry International</i> , <b>2013</b> , 62, 540-55	4.4	288
463	Synaptically released zinc: physiological functions and pathological effects. <i>BioMetals</i> , <b>2001</b> , 14, 353-66	3.4	286
462	Cognitive loss in zinc transporter-3 knock-out mice: a phenocopy for the synaptic and memory deficits of Alzheimer's disease?. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 1631-6	6.6	285
461	Glutathione precursor, N-acetyl-cysteine, improves mismatch negativity in schizophrenia patients. <i>Neuropsychopharmacology</i> , <b>2008</b> , 33, 2187-99	8.7	284
460	Cytosolic beta-amyloid deposition and supranuclear cataracts in lenses from people with Alzheimer's disease. <i>Lancet, The</i> , <b>2003</b> , 361, 1258-65	4.0	276
459	Metal complexing agents as therapies for Alzheimer's disease. <i>Neurobiology of Aging</i> , <b>2002</b> , 23, 1031-8	5.6	276
458	Overexpression of Alzheimer's disease amyloid-beta opposes the age-dependent elevations of brain copper and iron. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 44670-6	5.4	272
457	Blood-based protein biomarkers for diagnosis of Alzheimer disease. <i>Archives of Neurology</i> , <b>2012</b> , 69, 1318-25		271
456	Metals and Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , <b>2006</b> , 10, 145-63	4.3	265
455	Metals and amyloid-beta in Alzheimer's disease. <i>International Journal of Experimental Pathology</i> , <b>2005</b> , 86, 147-59	2.8	254
454	Zinc-induced Alzheimer's Abeta1-40 aggregation is mediated by conformational factors. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 26464-70	5.4	253
453	Copper levels are increased in the cerebral cortex and liver of APP and APLP2 knockout mice. <i>Brain Research</i> , <b>1999</b> , 842, 439-44	3.7	252
452	Copper and zinc binding modulates the aggregation and neurotoxic properties of the prion peptide PrP106-126. <i>Biochemistry</i> , <b>2001</b> , 40, 8073-84	3.2	247
451	The neurophysiology and pathology of brain zinc. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 16076-85	6.6	241

450	Tau-mediated iron export prevents ferroptotic damage after ischemic stroke. <i>Molecular Psychiatry</i> , <b>2017</b> , 22, 1520-1530	15.1	239
449	Metallostasis in Alzheimer's disease. <i>Free Radical Biology and Medicine</i> , <b>2013</b> , 62, 76-89	7.8	238
448	Mitochondrial oxidative stress causes hyperphosphorylation of tau. <i>PLoS ONE</i> , <b>2007</b> , 2, e536	3.7	237
447	A delicate balance: Iron metabolism and diseases of the brain. <i>Frontiers in Aging Neuroscience</i> , <b>2013</b> , 5, 34	5.3	235
446	Hypoxia-inducible factor prolyl 4-hydroxylase inhibition. A target for neuroprotection in the central nervous system. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 41732-43	5.4	235
445	Tyrosine gated electron transfer is key to the toxic mechanism of Alzheimer's disease beta-amyloid. <i>FASEB Journal</i> , <b>2004</b> , 18, 1427-9	0.9	231
444	Biological metals and Alzheimer's disease: implications for therapeutics and diagnostics. <i>Progress in Neurobiology</i> , <b>2010</b> , 92, 1-18	10.9	227
443	Increasing Cu bioavailability inhibits Abeta oligomers and tau phosphorylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 381-6	11.5	227
442	Overcoming the Blood-Brain Barrier: The Role of Nanomaterials in Treating Neurological Diseases. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801362	24	226
441	Drug development based on the metals hypothesis of Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , <b>2008</b> , 15, 223-40	4.3	224
440	Increased risk of cognitive impairment in patients with diabetes is associated with metformin. <i>Diabetes Care</i> , <b>2013</b> , 36, 2981-7	14.6	223
439	The amyloid precursor protein of Alzheimer's disease is released by human platelets. <i>Journal of Biological Chemistry</i> , <b>1990</b> , 265, 15977-83	5.4	223
438	Degradation of the Alzheimer disease amyloid beta-peptide by metal-dependent up-regulation of metalloprotease activity. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 17670-80	5.4	222
437	Modulation of A beta adhesiveness and secretase site cleavage by zinc. <i>Journal of Biological Chemistry</i> , <b>1994</b> , 269, 12152-8	5.4	216
436	A novel zinc(II) binding site modulates the function of the beta A4 amyloid protein precursor of Alzheimer's disease. <i>Journal of Biological Chemistry</i> , <b>1993</b> , 268, 16109-12	5.4	206
435	Elevated cortical zinc in Alzheimer disease. <i>Neurology</i> , <b>2006</b> , 67, 69-75	6.5	202
434	The role of metallobiology and amyloid- $\beta$ peptides in Alzheimer's disease. <i>Journal of Neurochemistry</i> , <b>2012</b> , 120 Suppl 1, 149-166	6	198
433	Mechanisms of A beta mediated neurodegeneration in Alzheimer's disease. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2008</b> , 40, 181-98	5.6	198

432	Trace metal contamination initiates the apparent auto-aggregation, amyloidosis, and oligomerization of Alzheimer's Aβ peptides. <i>Journal of Biological Inorganic Chemistry</i> , <b>2004</b> , 9, 954-60 <sup>3.7</sup>	195
431	Dietary and lifestyle guidelines for the prevention of Alzheimer's disease. <i>Neurobiology of Aging</i> , <b>2014</b> , 35 Suppl 2, S74-8	5.6 190
430	The Alzheimer's disease amyloid precursor protein modulates copper-induced toxicity and oxidative stress in primary neuronal cultures. <i>Journal of Neuroscience</i> , <b>1999</b> , 19, 9170-9	6.6 188
429	Homocysteine potentiates copper- and amyloid beta peptide-mediated toxicity in primary neuronal cultures: possible risk factors in the Alzheimer's-type neurodegenerative pathways. <i>Journal of Neurochemistry</i> , <b>2001</b> , 76, 1509-20	6 183
428	Striking while the iron is hot: Iron metabolism and ferroptosis in neurodegeneration. <i>Free Radical Biology and Medicine</i> , <b>2019</b> , 133, 221-233	7.8 177
427	The metal theory of Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , <b>2013</b> , 33 Suppl 1, S277-81	4.3 174
426	Current status of metals as therapeutic targets in Alzheimer's disease. <i>Journal of the American Geriatrics Society</i> , <b>2003</b> , 51, 1143-8	5.6 171
425	Metal ions, pH, and cholesterol regulate the interactions of Alzheimer's disease amyloid-beta peptide with membrane lipid. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 2977-82	5.4 171
424	Ceruloplasmin dysfunction and therapeutic potential for Parkinson disease. <i>Annals of Neurology</i> , <b>2013</b> , 73, 554-9	9.4 170
423	Ferritin levels in the cerebrospinal fluid predict Alzheimer's disease outcomes and are regulated by APOE. <i>Nature Communications</i> , <b>2015</b> , 6, 6760	17.4 167
422	Ferroptosis and cell death mechanisms in Parkinson's disease. <i>Neurochemistry International</i> , <b>2017</b> , 104, 34-48	4.4 165
421	Metallothioneins in brain—the role in physiology and pathology. <i>Toxicology and Applied Pharmacology</i> , <b>1997</b> , 142, 229-42	4.6 164
420	Platinum-based inhibitors of amyloid-beta as therapeutic agents for Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 6813-8	11.5 160
419	Neurotoxic, redox-competent Alzheimer's beta-amyloid is released from lipid membrane by methionine oxidation. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 42959-65	5.4 156
418	Selenium, selenoproteins and neurodegenerative diseases. <i>Metallomics</i> , <b>2015</b> , 7, 1213-28	4.5 155
417	3-Hydroxykynurenine and 3-hydroxyanthranilic acid generate hydrogen peroxide and promote alpha-crystallin cross-linking by metal ion reduction. <i>Biochemistry</i> , <b>2000</b> , 39, 7266-75	3.2 154
416	Insights into Zn <sup>2+</sup> homeostasis in neurons from experimental and modeling studies. <i>American Journal of Physiology - Cell Physiology</i> , <b>2008</b> , 294, C726-42	5.4 153
415	Glutathione: a novel treatment target in psychiatry. <i>Trends in Pharmacological Sciences</i> , <b>2008</b> , 29, 346-51 <sup>13.2</sup>	152

414	Copper-mediated amyloid-beta toxicity is associated with an intermolecular histidine bridge. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 15145-54	5.4	150
413	Cerebral quantitative susceptibility mapping predicts amyloid-β-related cognitive decline. <i>Brain</i> , <b>2017</b> , 140, 2112-2119	11.2	144
412	Physical activity and amyloid-β plasma and brain levels: results from the Australian Imaging, Biomarkers and Lifestyle Study of Ageing. <i>Molecular Psychiatry</i> , <b>2013</b> , 18, 875-81	15.1	144
411	The Alzheimer's therapeutic PBT2 promotes amyloid-β degradation and GSK3 phosphorylation via a metal chaperone activity. <i>Journal of Neurochemistry</i> , <b>2011</b> , 119, 220-30	6	142
410	Mechanisms of copper ion mediated Huntington's disease progression. <i>PLoS ONE</i> , <b>2007</b> , 2, e334	3.7	142
409	Tau protein: relevance to Parkinson's disease. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2010</b> , 42, 1775-8	5.6	140
408	The efficacy of N-acetylcysteine as an adjunctive treatment in bipolar depression: an open label trial. <i>Journal of Affective Disorders</i> , <b>2011</b> , 135, 389-94	6.6	139
407	Metal chelation as a potential therapy for Alzheimer's disease. <i>Annals of the New York Academy of Sciences</i> , <b>2000</b> , 920, 292-304	6.5	138
406	Oxidative processes in Alzheimer's disease: the role of abeta-metal interactions. <i>Experimental Gerontology</i> , <b>2000</b> , 35, 445-51	4.5	135
405	Iron accumulation in senescent cells is coupled with impaired ferritinophagy and inhibition of ferroptosis. <i>Redox Biology</i> , <b>2018</b> , 14, 100-115	11.3	133
404	Clinical quantitative susceptibility mapping (QSM): Biometal imaging and its emerging roles in patient care. <i>Journal of Magnetic Resonance Imaging</i> , <b>2017</b> , 46, 951-971	5.6	128
403	Iron and Alzheimer's Disease: An Update on Emerging Mechanisms. <i>Journal of Alzheimer's Disease</i> , <b>2018</b> , 64, S379-S395	4.3	127
402	Utility of an improved model of amyloid-beta (Aβ) toxicity in <i>Caenorhabditis elegans</i> for drug screening for Alzheimer's disease. <i>Molecular Neurodegeneration</i> , <b>2012</b> , 7, 57	19	127
401	The efficacy of adjunctive N-acetylcysteine in major depressive disorder: a double-blind, randomized, placebo-controlled trial. <i>Journal of Clinical Psychiatry</i> , <b>2014</b> , 75, 628-36	4.6	125
400	Neuronal zinc exchange with the blood vessel wall promotes cerebral amyloid angiopathy in an animal model of Alzheimer's disease. <i>Journal of Neuroscience</i> , <b>2004</b> , 24, 3453-9	6.6	122
399	The galvanization of beta-amyloid in Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 7317-9	11.5	122
398	Plasma apolipoprotein E and Alzheimer disease risk: the AIBL study of aging. <i>Neurology</i> , <b>2011</b> , 76, 1091-8.5	8.5	121
397	Copper, beta-amyloid, and Alzheimer's disease: tapping a sensitive connection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 11193-4	11.5	121



396	N-acetyl-L-cysteine improves survival and preserves motor performance in an animal model of familial amyotrophic lateral sclerosis. <i>NeuroReport</i> , <b>2000</b> , 11, 2491-3	1.7	121
395	Elevated labile Cu is associated with oxidative pathology in Alzheimer disease. <i>Free Radical Biology and Medicine</i> , <b>2012</b> , 52, 298-302	7.8	120
394	Oral treatment with Cu(II)(atsm) increases mutant SOD1 in vivo but protects motor neurons and improves the phenotype of a transgenic mouse model of amyotrophic lateral sclerosis. <i>Journal of Neuroscience</i> , <b>2014</b> , 34, 8021-31	6.6	118
393	Preliminary studies of a novel bifunctional metal chelator targeting Alzheimer's amyloidogenesis. <i>Experimental Gerontology</i> , <b>2004</b> , 39, 1641-9	4.5	118
392	Alzheimer's amyloid beta-peptide (1-42): involvement of methionine residue 35 in the oxidative stress and neurotoxicity properties of this peptide. <i>Neurobiology of Aging</i> , <b>2004</b> , 25, 563-8	5.6	118
391	Differential effects of apolipoprotein E isoforms on metal-induced aggregation of A beta using physiological concentrations. <i>Biochemistry</i> , <b>1999</b> , 38, 4595-603	3.2	117
390	Glutathione peroxidase 4: a new player in neurodegeneration?. <i>Molecular Psychiatry</i> , <b>2017</b> , 22, 328-335	15.1	114
389	The hypoxia imaging agent Cull(atsm) is neuroprotective and improves motor and cognitive functions in multiple animal models of Parkinson's disease. <i>Journal of Experimental Medicine</i> , <b>2012</b> , 209, 837-54	16.6	113
388	Quantitative elemental bio-imaging of Mn, Fe, Cu and Zn in 6-hydroxydopamine induced Parkinsonism mouse models. <i>Metallomics</i> , <b>2009</b> , 1, 53-58	4.5	113
387	Plasma amyloid-beta as a biomarker in Alzheimer's disease: the AIBL study of aging. <i>Journal of Alzheimer's Disease</i> , <b>2010</b> , 20, 1233-42	4.3	111
386	Zinc and copper modulate Alzheimer Abeta levels in human cerebrospinal fluid. <i>Neurobiology of Aging</i> , <b>2009</b> , 30, 1069-77	5.6	110
385	Computerised cognitive assessment of concussed Australian Rules footballers. <i>British Journal of Sports Medicine</i> , <b>2001</b> , 35, 354-60	10.3	109
384	Alzheimer disease beta-amyloid activity mimics cholesterol oxidase. <i>Journal of Clinical Investigation</i> , <b>2005</b> , 115, 2556-63	15.9	108
383	Clinical utility of the cogstate brief battery in identifying cognitive impairment in mild cognitive impairment and Alzheimer's disease. <i>BMC Psychology</i> , <b>2013</b> , 1, 30	2.8	107
382	Alterations in brain transition metals in Huntington disease: an evolving and intricate story. <i>Archives of Neurology</i> , <b>2012</b> , 69, 887-93		104
381	EAmyloid precursor protein does not possess ferroxidase activity but does stabilize the cell surface ferrous iron exporter ferroportin. <i>PLoS ONE</i> , <b>2014</b> , 9, e114174	3.7	104
380	Serum zinc is decreased in Alzheimer's disease and serum arsenic correlates positively with cognitive ability. <i>BioMetals</i> , <b>2010</b> , 23, 173-9	3.4	101
379	Methylation of the imidazole side chains of the Alzheimer disease amyloid-beta peptide results in abolition of superoxide dismutase-like structures and inhibition of neurotoxicity. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 13355-63	5.4	101



378	Iron and the translation of the amyloid precursor protein (APP) and ferritin mRNAs: riboregulation against neural oxidative damage in Alzheimer's disease. <i>Biochemical Society Transactions</i> , <b>2008</b> , 36, 1282-7	5.1	100
377	Metal ionophore treatment restores dendritic spine density and synaptic protein levels in a mouse model of Alzheimer's disease. <i>PLoS ONE</i> , <b>2011</b> , 6, e17669	3.7	97
376	GSK-3 in Neurodegenerative Diseases. <i>International Journal of Alzheimer's Disease</i> , <b>2011</b> , 2011, 189246	3.7	96
375	Sequestration of copper from beta-amyloid promotes selective lysis by cyclen-hybrid cleavage agents. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 31657-64	5.4	96
374	Amyloid plaques arise from zinc-enriched cortical layers in APP/PS1 transgenic mice and are paradoxically enlarged with dietary zinc deficiency. <i>Neuroscience</i> , <b>2007</b> , 150, 357-69	3.9	96
373	Biometals and their therapeutic implications in Alzheimer's disease. <i>Neurotherapeutics</i> , <b>2015</b> , 12, 109-206	4	94
372	The <i>Caenorhabditis elegans</i> A beta 1-42 model of Alzheimer disease predominantly expresses A beta 3-42. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 22697-702	5.4	94
371	BDNF Val66Met, Aβ amyloid, and cognitive decline in preclinical Alzheimer's disease. <i>Neurobiology of Aging</i> , <b>2013</b> , 34, 2457-64	5.6	93
370	Metals and Alzheimer's Disease: How Far Have We Come in the Clinic?. <i>Journal of Alzheimer's Disease</i> , <b>2018</b> , 62, 1369-1379	4.3	92
369	Enhanced toxicity and cellular binding of a modified amyloid beta peptide with a methionine to valine substitution. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 42528-34	5.4	92
368	Motor and cognitive deficits in aged tau knockout mice in two background strains. <i>Molecular Neurodegeneration</i> , <b>2014</b> , 9, 29	19	91
367	The amyloid beta-protein precursor and its mammalian homologues. Evidence for a zinc-modulated heparin-binding superfamily.. <i>Journal of Biological Chemistry</i> , <b>1994</b> , 269, 26618-26621	5.4	91
366	Increasing intracellular bioavailable copper selectively targets prostate cancer cells. <i>ACS Chemical Biology</i> , <b>2013</b> , 8, 1621-31	4.9	89
365	Brain iron is associated with accelerated cognitive decline in people with Alzheimer pathology. <i>Molecular Psychiatry</i> , <b>2020</b> , 25, 2932-2941	15.1	89
364	Iron accumulates in Huntington's disease neurons: protection by deferoxamine. <i>PLoS ONE</i> , <b>2013</b> , 8, e77033	3.3	88
363	Copper, zinc, and the metallobiology of Alzheimer disease. <i>Alzheimer Disease and Associated Disorders</i> , <b>2003</b> , 17, 147-50	2.5	88
362	The amyloid beta-protein precursor and its mammalian homologues. Evidence for a zinc-modulated heparin-binding superfamily. <i>Journal of Biological Chemistry</i> , <b>1994</b> , 269, 26618-21	5.4	86
361	A blood-based predictor for neocortical Aβ burden in Alzheimer's disease: results from the AIBL study. <i>Molecular Psychiatry</i> , <b>2014</b> , 19, 519-26	15.1	85

360	N-acetylcysteine for major depressive episodes in bipolar disorder. <i>Revista Brasileira De Psiquiatria</i> , <b>2011</b> , 33, 374-8	2.6	85
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