

Craig S Atwood

List of Publications by Year in descending order

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108
papers

19,368
citations

26630

56
h-index

28297

105
g-index

121
all docs

121
docs citations

121
times ranked

18844
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic meta-analysis of diagnosed Alzheimer's disease identifies new risk loci and implicates A β , tau, immunity and lipid processing. <i>Nature Genetics</i> , 2019, 51, 414-430.	21.4	1,962
2	Oxidative Damage Is the Earliest Event in Alzheimer Disease. <i>Journal of Neuropathology and Experimental Neurology</i> , 2001, 60, 759-767.	1.7	1,670
3	Treatment with a Copper-Zinc Chelator Markedly and Rapidly Inhibits A β -Amyloid Accumulation in Alzheimer's Disease Transgenic Mice. <i>Neuron</i> , 2001, 30, 665-676.	8.1	1,419
4	Mitochondrial Abnormalities in Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2001, 21, 3017-3023.	3.6	1,179
5	The A β Peptide of Alzheimer's Disease Directly Produces Hydrogen Peroxide through Metal Ion Reduction. <i>Biochemistry</i> , 1999, 38, 7609-7616.	2.5	1,098
6	Dramatic Aggregation of Alzheimer A β by Cu(II) Is Induced by Conditions Representing Physiological Acidosis. <i>Journal of Biological Chemistry</i> , 1998, 273, 12817-12826.	3.4	935
7	Rare coding variants in PLCG2, ABI3, and TREM2 implicate microglial-mediated innate immunity in Alzheimer's disease. <i>Nature Genetics</i> , 2017, 49, 1373-1384.	21.4	783
8	Cu(II) Potentiation of Alzheimer A β Neurotoxicity. <i>Journal of Biological Chemistry</i> , 1999, 274, 37111-37116.	3.4	688
9	Characterization of Copper Interactions with Alzheimer Amyloid A β Peptides. <i>Journal of Neurochemistry</i> , 2008, 75, 1219-1233.	3.9	566
10	Metal Binding and Oxidation of Amyloid-A β within Isolated Senile Plaque Cores: A Raman Microscopic Evidence. <i>Biochemistry</i> , 2003, 42, 2768-2773.	2.5	543
11	Aqueous Dissolution of Alzheimer's Disease A β Amyloid Deposits by Biometal Depletion. <i>Journal of Biological Chemistry</i> , 1999, 274, 23223-23228.	3.4	454
12	Evidence that the A β -Amyloid Plaques of Alzheimer's Disease Represent the Redox-silencing and Entombment of A β by Zinc. <i>Journal of Biological Chemistry</i> , 2000, 275, 19439-19442.	3.4	366
13	Copper Mediates Dityrosine Cross-Linking of Alzheimer's Amyloid-A β . <i>Biochemistry</i> , 2004, 43, 560-568.	2.5	362
14	Redox-active iron mediates amyloid-A β toxicity. <i>Free Radical Biology and Medicine</i> , 2001, 30, 447-450.	2.9	356
15	Effects of Hormone Therapy on Cognition and Mood in Recently Postmenopausal Women: Findings from the Randomized, Controlled KEEPS Cognitive and Affective Study. <i>PLoS Medicine</i> , 2015, 12, e1001833.	8.4	330
16	Differential activation of neuronal ERK, JNK/SAPK and p38 in Alzheimer disease: the "two hit" hypothesis. <i>Mechanisms of Ageing and Development</i> , 2001, 123, 39-46.	4.6	293
17	Zinc-induced Alzheimer's A β 1-40 Aggregation Is Mediated by Conformational Factors. <i>Journal of Biological Chemistry</i> , 1997, 272, 26464-26470.	3.4	287
18	Amyloid-A β : a chameleon walking in two worlds: a review of the trophic and toxic properties of amyloid-A β . <i>Brain Research Reviews</i> , 2003, 43, 1-16.	9.0	271

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19	Is oxidative damage the fundamental pathogenic mechanism of Alzheimer's and other neurodegenerative diseases?. <i>Free Radical Biology and Medicine</i> , 2002, 33, 1475-1479.	2.9	266
20	Trace metal contamination initiates the apparent auto-aggregation, amyloidosis, and oligomerization of Alzheimer's A β peptides. <i>Journal of Biological Inorganic Chemistry</i> , 2004, 9, 954-960.	2.6	218
21	Maintenance of villus height and crypt depth, and enhancement of disaccharide digestion and monosaccharide absorption, in piglets fed on cows' whole milk after weaning. <i>British Journal of Nutrition</i> , 1996, 76, 409-422.	2.3	215
22	Active glycation in neurofibrillary pathology of Alzheimer disease: N ϵ -(Carboxymethyl) lysine and hexitol-lysine. <i>Free Radical Biology and Medicine</i> , 2001, 31, 175-180.	2.9	194
23	Novel -penicillamine carrying nanoparticles for metal chelation therapy in Alzheimer's and other CNS diseases. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2005, 59, 263-272.	4.3	174
24	The Promises and Pitfalls of Genoeconomics. <i>Annual Review of Economics</i> , 2012, 4, 627-662.	5.5	168
25	Transethnic genome-wide scan identifies novel Alzheimer's disease loci. <i>Alzheimer's and Dementia</i> , 2017, 13, 727-738.	0.8	166
26	Luteinizing hormone modulates cognition and amyloid- β deposition in Alzheimer APP transgenic mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2006, 1762, 447-452.	3.8	165
27	Luteinizing Hormone, a Reproductive Regulator That Modulates the Processing of Amyloid- β Precursor Protein and Amyloid- β Deposition. <i>Journal of Biological Chemistry</i> , 2004, 279, 20539-20545.	3.4	154
28	The role of beta amyloid in Alzheimer's disease: still a cause of everything or the only one who got caught?. <i>Pharmacological Research</i> , 2004, 50, 397-409.	7.1	153
29	Alzheimer's disease: the impact of age-related changes in reproductive hormones. <i>Cellular and Molecular Life Sciences</i> , 2005, 62, 257-270.	5.4	144
30	Novel Alzheimer Disease Risk Loci and Pathways in African American Individuals Using the African Genome Resources Panel. <i>JAMA Neurology</i> , 2021, 78, 102.	9.0	144
31	Leuprolide acetate: a drug of diverse clinical applications. <i>Expert Opinion on Investigational Drugs</i> , 2007, 16, 1851-1863.	4.1	140
32	Senile plaque composition and posttranslational modification of amyloid- β peptide and associated proteins. <i>Peptides</i> , 2002, 23, 1343-1350.	2.4	133
33	Iron: A Pathological Mediator of Alzheimer Disease?. <i>Developmental Neuroscience</i> , 2002, 24, 184-187.	2.0	127
34	Living and Dying for Sex. <i>Gerontology</i> , 2004, 50, 265-290.	2.8	126
35	Elevated luteinizing hormone expression colocalizes with neurons vulnerable to Alzheimer's disease pathology. <i>Journal of Neuroscience Research</i> , 2002, 70, 514-518.	2.9	122
36	The Role of Iron and Copper in the Aetiology of Neurodegenerative Disorders. <i>CNS Drugs</i> , 2002, 16, 339-352.	5.9	115

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37	Alzheimer's Disease, β -Amyloid Protein and Zinc. <i>Journal of Nutrition</i> , 2000, 130, 1488S-1492S.	2.9	102
38	Involvement of maillard reactions in Alzheimer disease. <i>Neurotoxicity Research</i> , 2002, 4, 191-209.	2.7	100
39	Collection of fore and hind milk from the sow and the changes in milk composition during suckling. <i>Journal of Dairy Research</i> , 1992, 59, 287-298.	1.4	97
40	Adventitiously-bound redox active iron and copper are at the center of oxidative damage in Alzheimer disease. <i>BioMetals</i> , 2003, 16, 77-81.	4.1	94
41	The state versus amyloid- β : the trial of the most wanted criminal in Alzheimer disease. <i>Peptides</i> , 2002, 23, 1333-1341.	2.4	88
42	Effects of Simvastatin on Cerebrospinal Fluid Biomarkers and Cognition in Middle-Aged Adults at Risk for Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2008, 13, 187-197.	2.6	88
43	Reproductive hormones regulate the selective permeability of the blood-brain barrier. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2008, 1782, 401-407.	3.8	85
44	A preliminary study of the safety, feasibility and cognitive efficacy of soy isoflavone supplements in older men and women. <i>Age and Ageing</i> , 2008, 38, 86-93.	1.6	82
45	The influence of parental history of Alzheimer's disease and apolipoprotein E ϵ 4 on the BOLD signal during recognition memory. <i>Brain</i> , 2008, 132, 383-391.	7.6	79
46	Amyloid- β -induced toxicity of primary neurons is dependent upon differentiation-associated increases in tau and cyclin-dependent kinase 5 expression. <i>Journal of Neurochemistry</i> , 2004, 88, 554-563.	3.9	77
47	Dysregulation of the Hypothalamic-Pituitary-Gonadal Axis with Menopause and Andropause Promotes Neurodegenerative Senescence. <i>Journal of Neuropathology and Experimental Neurology</i> , 2005, 64, 93-103.	1.7	76
48	The Gonadotropin Connection in Alzheimer's Disease. <i>Endocrine</i> , 2005, 26, 317-326.	2.2	75
49	Cognitive Effects of Soy Isoflavones in Patients with Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2015, 47, 1009-1019.	2.6	74
50	Amyloid- β , tau alterations and mitochondrial dysfunction in Alzheimer disease: the chickens or the eggs?. <i>Neurochemistry International</i> , 2002, 40, 527-531.	3.8	70
51	Chronic antioxidant therapy reduces oxidative stress in a mouse model of Alzheimer's disease. <i>Free Radical Research</i> , 2009, 43, 156-164.	3.3	65
52	Tumor Necrosis Factor-Induced Cerebral Insulin Resistance in Alzheimer's Disease Links Numerous Treatment Rationales. <i>Pharmacological Reviews</i> , 2012, 64, 1004-1026.	16.0	65
53	Human neurons express type I GnRH receptor and respond to GnRH I by increasing luteinizing hormone expression. <i>Journal of Endocrinology</i> , 2006, 191, 651-663.	2.6	64
54	Elevated expression of a regulator of the G2/M phase of the cell cycle, neuronal CIP-1-associated regulator of cyclin B, in Alzheimer's disease. <i>Journal of Neuroscience Research</i> , 2004, 75, 698-703.	2.9	63

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55	Increased Expression of the Remodeling- and Tumorigenic-Associated Factor Osteopontin in Pyramidal Neurons of the Alzheimers Disease Brain. <i>Current Alzheimer Research</i> , 2007, 4, 67-72.	1.4	62
56	Differential Processing of Amyloid- β Precursor Protein Directs Human Embryonic Stem Cell Proliferation and Differentiation into Neuronal Precursor Cells. <i>Journal of Biological Chemistry</i> , 2009, 284, 23806-23817.	3.4	59
57	fMRI activation during episodic encoding and metacognitive appraisal across the lifespan: Risk factors for Alzheimer's disease. <i>Neuropsychologia</i> , 2008, 46, 1667-1678.	1.6	58
58	Cerebrovascular requirement for sealant, anti-coagulant and remodeling molecules that allow for the maintenance of vascular integrity and blood supply. <i>Brain Research Reviews</i> , 2003, 43, 164-178.	9.0	54
59	Neuroprotective properties of Bcl-w in Alzheimer disease. <i>Journal of Neurochemistry</i> , 2004, 89, 1233-1240.	3.9	54
60	Predicting the failure of amyloid- β vaccine. <i>Lancet, The</i> , 2002, 359, 1864-1865.	13.7	52
61	Clinical Pharmacology and Differential Cognitive Efficacy of Estrogen Preparations. <i>Annals of the New York Academy of Sciences</i> , 2005, 1052, 93-115.	3.8	51
62	Gonadotropins and Cognition in Older Women. <i>Journal of Alzheimer's Disease</i> , 2008, 13, 267-274.	2.6	51
63	Insulin Resistance is Associated with Increased Levels of Cerebrospinal Fluid Biomarkers of Alzheimer's Disease and Reduced Memory Function in At-Risk Healthy Middle-Aged Adults. <i>Journal of Alzheimer's Disease</i> , 2016, 52, 1373-1383.	2.6	51
64	The reproductive-cell cycle theory of aging: An update. <i>Experimental Gerontology</i> , 2011, 46, 100-107.	2.8	50
65	A Clinical Study of Lupron Depot in the Treatment of Women with Alzheimer's Disease: Preservation of Cognitive Function in Patients Taking an Acetylcholinesterase Inhibitor and Treated with High Dose Lupron Over 48 Weeks. <i>Journal of Alzheimer's Disease</i> , 2015, 44, 549-560.	2.6	47
66	Reduction of inclusion body pathology in ApoE-deficient mice fed a combination of antioxidants. <i>Free Radical Biology and Medicine</i> , 2003, 34, 1070-1077.	2.9	46
67	Redox active iron accumulation in aceruloplasminemia. <i>Neuropathology</i> , 2008, 28, 466-471.	1.2	46
68	A Unified Hypothesis of Early- and Late-Onset Alzheimer's Disease Pathogenesis. <i>Journal of Alzheimer's Disease</i> , 2015, 47, 33-47.	2.6	45
69	The severity of cortical Alzheimer's type changes is positively correlated with increased amyloid- β Levels: Resolubilization of amyloid- β with transition metal ion chelators. <i>Journal of Alzheimer's Disease</i> , 2001, 3, 209-219.	2.6	44
70	Estrogen Bows to a New Master: The Role of Gonadotropins in Alzheimer Pathogenesis. <i>Annals of the New York Academy of Sciences</i> , 2005, 1052, 201-209.	3.8	43
71	The spatiotemporal hormonal orchestration of human folliculogenesis, early embryogenesis and blastocyst implantation. <i>Molecular and Cellular Endocrinology</i> , 2016, 430, 33-48.	3.2	43
72	Amyloid- β : A vascular sealant that protects against hemorrhage?. <i>Journal of Neuroscience Research</i> , 2002, 70, 356-356.	2.9	40

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73	Identification of a regulatory loop for the synthesis of neurosteroids: a steroidogenic acute regulatory proteinâ€dependent mechanism involving hypothalamicâ€pituitaryâ€gonadal axis receptors. <i>Journal of Neurochemistry</i> , 2009, 110, 1014-1027.	3.9	39
74	Luteinizing hormone receptor mediates neuronal pregnenolone production via upâ€regulation of steroidogenic acute regulatory protein expression. <i>Journal of Neurochemistry</i> , 2007, 100, 1329-1339.	3.9	36
75	The pregnancy hormones human chorionic gonadotropin and progesterone induce human embryonic stem cell proliferation and differentiation into neuroectodermal rosettes. <i>Stem Cell Research and Therapy</i> , 2010, 1, 28.	5.5	35
76	Identification of a gonadotropin-releasing hormone receptor orthologue in <i>Caenorhabditis elegans</i> . <i>BMC Evolutionary Biology</i> , 2006, 6, 103.	3.2	33
77	Amyloid-Î² precursor protein expression and modulation in human embryonic stem cells: A novel role for human chorionic gonadotropin. <i>Biochemical and Biophysical Research Communications</i> , 2007, 364, 522-527.	2.1	29
78	Opioid and Progesterone Signaling is Obligatory for Early Human Embryogenesis. <i>Stem Cells and Development</i> , 2009, 18, 737-740.	2.1	27
79	Activin Receptor Signaling Regulates Prostatic Epithelial Cell Adhesion and Viability. <i>Neoplasia</i> , 2009, 11, 365-IN6.	5.3	25
80	The endocrine dyscrasia that accompanies menopause and andropause induces aberrant cell cycle signaling that triggers re-entry of post-mitotic neurons into the cell cycle, neurodysfunction, neurodegeneration and cognitive disease. <i>Hormones and Behavior</i> , 2015, 76, 63-80.	2.1	23
81	What is aging? What is its role in Alzheimer's disease? What can we do about it?. <i>Journal of Alzheimer's Disease</i> , 2005, 7, 247-253.	2.6	21
82	A luteinizing hormone receptor intronic variant is significantly associated with decreased risk of Alzheimer's disease in males carrying an apolipoprotein E Î¼4 allele. <i>BMC Medical Genetics</i> , 2008, 9, 37.	2.1	19
83	Estrogen Replacement and Risk of Alzheimer Disease. <i>JAMA - Journal of the American Medical Association</i> , 2003, 289, 1100.	7.4	16
84	Amyloid-Î²: phylogenesis of a chameleon. <i>Brain Research Reviews</i> , 2004, 46, 118-120.	9.0	15
85	Is TNF a Link between Aging-Related Reproductive Endocrine Dyscrasia and Alzheimer's Disease?. <i>Journal of Alzheimer's Disease</i> , 2011, 27, 691-699.	2.6	15
86	Hypothalamicâ€pituitaryâ€gonadal axis homeostasis predicts longevity. <i>Age</i> , 2013, 35, 129-138.	3.0	15
87	Neuroinflammatory Responses in the Alzheimer's Disease Brain Promote the Oxidative Post-translational Modification of Amyloid Deposits. , 0, , 341-361.		14
88	Lactate dyscrasia: a novel explanation for amyotrophic lateral sclerosis. <i>Neurobiology of Aging</i> , 2012, 33, 569-581.	3.1	14
89	Biochemistry of Neurodegeneration. <i>Science</i> , 2001, 291, 595c-597.	12.6	13
90	Metabolic clues regarding the enhanced performance of elite endurance athletes from orchiectomy-induced hormonal changes. <i>Medical Hypotheses</i> , 2007, 68, 735-749.	1.5	12

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91	Manifestations of Alzheimer's disease genetic risk in the blood are evident in a multiomic analysis in healthy adults aged 18 to 90. <i>Scientific Reports</i> , 2022, 12, 6117.	3.3	12
92	A multi-hit endocrine model of intrinsic adult-onset asthma. <i>Ageing Research Reviews</i> , 2008, 7, 114-125.	10.9	10
93	Does the degree of endocrine dyscrasia post-reproduction dictate post-reproductive lifespan? Lessons from semelparous and iteroparous species. <i>GeroScience</i> , 2017, 39, 103-116.	4.6	9
94	Conjugated Linoleic Acid Administration Induces Amnesia in Male Sprague Dawley Rats and Exacerbates Recovery from Functional Deficits Induced by a Controlled Cortical Impact Injury. <i>PLoS ONE</i> , 2017, 12, e0169494.	2.5	8
95	Rationale, study design and implementation of the LUCINDA Trial: Leuprolide plus Cholinesterase Inhibition to reduce Neurologic Decline in Alzheimer's. <i>Contemporary Clinical Trials</i> , 2021, 107, 106488.	1.8	7
96	Myocardial infarction in the Wisconsin Longitudinal Study: the interaction among environmental, health, social, behavioural and genetic factors. <i>BMJ Open</i> , 2017, 7, e011529.	1.9	6
97	The roles of GnRH in the human central nervous system. <i>Hormones and Behavior</i> , 2022, 145, 105230.	2.1	6
98	Trophoblastic hormones direct early human embryogenesis. <i>Nature Precedings</i> , 2008, , .	0.1	4
99	Putative Gonadotropin-Releasing Hormone Agonist Therapy and Dementia: An Application of Medicare Hospitalization Claims Data. <i>Journal of Alzheimer's Disease</i> , 2018, 63, 1269-1277.	2.6	4
100	Human versus non-human sex steroid use in hormone replacement therapies part 1: Preclinical data. <i>Molecular and Cellular Endocrinology</i> , 2019, 480, 12-35.	3.2	3
101	Oxidative Damage and Antioxidant Responses in Alzheimer's Disease. , 0, , 371-378.		2
102	Development of Classification Models for the Prediction of Alzheimer's Disease Utilizing Circulating Sex Hormone Ratios. <i>Journal of Alzheimer's Disease</i> , 2020, 76, 1029-1046.	2.6	2
103	Septal hypertrophy and cell cycle re-entry in AD. <i>Aging</i> , 2019, 11, 297-298.	3.1	2
104	Hypogonadism induced by surgical stress and brain trauma is reversed by human chorionic gonadotropin in male rats: A potential therapy for surgical and TBI-induced hypogonadism?. <i>Endocrinology, Diabetes and Metabolism</i> , 2021, 4, e00239.	2.4	1
105	Evidence that Oxidative Challenges Promote Neuronal Sprouting and Cell Cycle Re-entry. <i>Journal of Alzheimer's Disease</i> , 2000, 2, 283-287.	2.6	0
106	O5-01-02: Stress is Associated with Greater Insulin Resistance, Higher CSF Phosphorylated TAU, and Decreased Glucose Metabolism in the Medial Temporal Lobe in apoe 4 Carriers. , 2016, 12, P375-P376.		0
107	The LUCINDA trial: Leuprolide + cholinesterase inhibition to reduce neurologic decline in Alzheimer's. <i>Alzheimer's and Dementia</i> , 2020, 16, e038780.	0.8	0
108	Estropause, Sex Hormones and Metal Homeostasis in the Mouse Brain. <i>Frontiers in Neurology</i> , 2022, 13, .	2.4	0