

# Xiongwei Zhu

## List of Publications by Citations

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329  
papers

28,374  
citations

85  
h-index

160  
g-index

349  
ext. papers

31,272  
ext. citations

6  
avg, IF

6.72  
L-index

#	Paper	IF	Citations
329	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , <b>2012</b> , 8, 445-544.	14.2	2783
328	Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. <i>Autophagy</i> , <b>2008</b> , 4, 151-75	10.2	1920
327	Impaired balance of mitochondrial fission and fusion in Alzheimer's disease. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 9090-103	6.6	816
326	Oxidative stress and mitochondrial dysfunction in Alzheimer's disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2014</b> , 1842, 1240-7	6.9	690
325	Amyloid-beta overproduction causes abnormal mitochondrial dynamics via differential modulation of mitochondrial fission/fusion proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 19318-23	11.5	613
324	Mitochondrial dysfunction is a trigger of Alzheimer's disease pathophysiology. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2010</b> , 1802, 2-10	6.9	459
323	Mitochondrial defects and oxidative stress in Alzheimer disease and Parkinson disease. <i>Free Radical Biology and Medicine</i> , <b>2013</b> , 62, 90-101	7.8	435
322	Involvement of oxidative stress in Alzheimer disease. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2006</b> , 65, 631-41	3.1	392
321	Activation and redistribution of c-jun N-terminal kinase/stress activated protein kinase in degenerating neurons in Alzheimer's disease. <i>Journal of Neurochemistry</i> , <b>2001</b> , 76, 435-41	6	368
320	Oxidative stress in Alzheimer disease: a possibility for prevention. <i>Neuropharmacology</i> , <b>2010</b> , 59, 290-4	5.5	366
319	Alzheimer's disease: the two-hit hypothesis. <i>Lancet Neurology</i> , <b>2004</b> , 3, 219-26	24.1	354
318	Oxidative stress signalling in Alzheimer's disease. <i>Brain Research</i> , <b>2004</b> , 1000, 32-9	3.7	337
317	Impaired mitochondrial biogenesis contributes to mitochondrial dysfunction in Alzheimer's disease. <i>Journal of Neurochemistry</i> , <b>2012</b> , 120, 419-29	6	318
316	Redox-active iron mediates amyloid-beta toxicity. <i>Free Radical Biology and Medicine</i> , <b>2001</b> , 30, 447-50	7.8	310
315	LRRK2 regulates mitochondrial dynamics and function through direct interaction with DLP1. <i>Human Molecular Genetics</i> , <b>2012</b> , 21, 1931-44	5.6	306
314	The role of mitogen-activated protein kinase pathways in Alzheimer's disease. <i>NeuroSignals</i> , <b>2002</b> , 11, 270-81	1.9	291
313	Increased iron and free radical generation in preclinical Alzheimer disease and mild cognitive impairment. <i>Journal of Alzheimer's Disease</i> , <b>2010</b> , 19, 363-72	4.3	288

312	Activation of p38 kinase links tau phosphorylation, oxidative stress, and cell cycle-related events in Alzheimer disease. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2000</b> , 59, 880-8	3.1	270
311	Differential activation of neuronal ERK, JNK/SAPK and p38 in Alzheimer disease: the 'two hit' hypothesis. <i>Mechanisms of Ageing and Development</i> , <b>2001</b> , 123, 39-46	5.6	267
310	Dynamin-like protein 1 reduction underlies mitochondrial morphology and distribution abnormalities in fibroblasts from sporadic Alzheimer's disease patients. <i>American Journal of Pathology</i> , <b>2008</b> , 173, 470-82	5.8	263
309	Activation of neuronal extracellular receptor kinase (ERK) in Alzheimer disease links oxidative stress to abnormal phosphorylation. <i>NeuroReport</i> , <b>1999</b> , 10, 2411-5	1.7	255
308	Microtubule reduction in Alzheimer's disease and aging is independent of tau filament formation. <i>American Journal of Pathology</i> , <b>2003</b> , 162, 1623-7	5.8	252
307	Modulation of hippocampal plasticity and cognitive behavior by short-term blueberry supplementation in aged rats. <i>Nutritional Neuroscience</i> , <b>2004</b> , 7, 309-16	3.6	237
306	Oxidative stress activates a positive feedback between the gamma- and beta-secretase cleavages of the beta-amyloid precursor protein. <i>Journal of Neurochemistry</i> , <b>2008</b> , 104, 683-95	6	230
305	Role of metal dyshomeostasis in Alzheimer's disease. <i>Metallomics</i> , <b>2011</b> , 3, 267-70	4.5	227
304	Is oxidative damage the fundamental pathogenic mechanism of Alzheimer's and other neurodegenerative diseases?. <i>Free Radical Biology and Medicine</i> , <b>2002</b> , 33, 1475-9	7.8	222
303	Ribosomal RNA in Alzheimer disease is oxidized by bound redox-active iron. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 20978-86	5.4	219
302	Parkinson's disease-associated mutant VPS35 causes mitochondrial dysfunction by recycling DLP1 complexes. <i>Nature Medicine</i> , <b>2016</b> , 22, 54-63	50.5	210
301	Mitochondria: a therapeutic target in neurodegeneration. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2010</b> , 1802, 212-20	6.9	209
300	The role of abnormal mitochondrial dynamics in the pathogenesis of Alzheimer's disease. <i>Journal of Neurochemistry</i> , <b>2009</b> , 109 Suppl 1, 153-9	6	206
299	Alzheimer disease, the two-hit hypothesis: an update. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2007</b> , 1772, 494-502	6.9	201
298	Oxidative stress in diabetes and Alzheimer's disease. <i>Journal of Alzheimeris Disease</i> , <b>2009</b> , 16, 763-74	4.3	197
297	Abnormal mitochondrial dynamics and neurodegenerative diseases. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2010</b> , 1802, 135-42	6.9	194
296	Mitochondria dysfunction in the pathogenesis of Alzheimer's disease: recent advances. <i>Molecular Neurodegeneration</i> , <b>2020</b> , 15, 30	19	192
295	Tau phosphorylation in Alzheimer's disease: pathogen or protector?. <i>Trends in Molecular Medicine</i> , <b>2005</b> , 11, 164-9	11.5	184

294	Leptin reduces pathology and improves memory in a transgenic mouse model of Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , <b>2010</b> , 19, 1155-67	4.3	173
293	Insulin-resistant brain state: the culprit in sporadic Alzheimer's disease?. <i>Ageing Research Reviews</i> , <b>2011</b> , 10, 264-73	12	161
292	The sirtuin pathway in ageing and Alzheimer disease: mechanistic and therapeutic considerations. <i>Lancet Neurology</i> , <b>2011</b> , 10, 275-9	24.1	158
291	Parkinson's disease-associated DJ-1 mutations impair mitochondrial dynamics and cause mitochondrial dysfunction. <i>Journal of Neurochemistry</i> , <b>2012</b> , 121, 830-9	6	152
290	Iron: the Redox-active center of oxidative stress in Alzheimer disease. <i>Neurochemical Research</i> , <b>2007</b> , 32, 1640-5	4.6	151
289	Challenging the amyloid cascade hypothesis: senile plaques and amyloid-beta as protective adaptations to Alzheimer disease. <i>Annals of the New York Academy of Sciences</i> , <b>2004</b> , 1019, 1-4	6.5	150
288	Lipoic acid and N-acetyl cysteine decrease mitochondrial-related oxidative stress in Alzheimer disease patient fibroblasts. <i>Journal of Alzheimer's Disease</i> , <b>2007</b> , 12, 195-206	4.3	148
287	In Alzheimer's disease, heme oxygenase is coincident with Alz50, an epitope of tau induced by 4-hydroxy-2-nonenal modification. <i>Journal of Neurochemistry</i> , <b>2000</b> , 75, 1234-41	6	145
286	The Roc domain of leucine-rich repeat kinase 2 is sufficient for interaction with microtubules. <i>Journal of Neuroscience Research</i> , <b>2008</b> , 86, 1711-20	4.4	144
285	Tau--an inhibitor of deacetylase HDAC6 function. <i>Journal of Neurochemistry</i> , <b>2009</b> , 109, 1756-66	6	143
284	Cyclin' toward dementia: cell cycle abnormalities and abortive oncogenesis in Alzheimer disease. <i>Journal of Neuroscience Research</i> , <b>2000</b> , 61, 128-33	4.4	141
283	Vascular oxidative stress in Alzheimer disease. <i>Journal of the Neurological Sciences</i> , <b>2007</b> , 257, 240-6	3.2	140
282	Ectopic localization of phosphorylated histone H3 in Alzheimer's disease: a mitotic catastrophe?. <i>Acta Neuropathologica</i> , <b>2003</b> , 105, 524-8	14.3	135
281	Mitochondrial abnormalities and oxidative imbalance in Alzheimer disease. <i>Journal of Alzheimer's Disease</i> , <b>2006</b> , 9, 147-53	4.3	134
280	Metabolic, metallic, and mitotic sources of oxidative stress in Alzheimer disease. <i>Antioxidants and Redox Signaling</i> , <b>2000</b> , 2, 413-20	8.4	134
279	Abnormal mitochondrial dynamics in the pathogenesis of Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , <b>2013</b> , 33 Suppl 1, S253-62	4.3	132
278	Oxidative damage to RNA in aging and neurodegenerative disorders. <i>Neurotoxicity Research</i> , <b>2012</b> , 22, 231-48	4.3	131
277	Amyloid-beta in Alzheimer disease: the null versus the alternate hypotheses. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2007</b> , 321, 823-9	4.7	131

276	Alzheimer disease pathology as a host response. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2008</b> , 67, 523-31	3.1	129
275	Increased autophagic degradation of mitochondria in Alzheimer disease. <i>Autophagy</i> , <b>2007</b> , 3, 614-5	10.2	128
274	A synergistic dysfunction of mitochondrial fission/fusion dynamics and mitophagy in Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , <b>2010</b> , 20 Suppl 2, S401-12	4.3	121
273	Autophagocytosis of mitochondria is prominent in Alzheimer disease. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2007</b> , 66, 525-32	3.1	121
272	Abortive apoptosis in Alzheimer's disease. <i>Acta Neuropathologica</i> , <b>2001</b> , 101, 305-10	14.3	121
271	Alzheimer disease and the role of free radicals in the pathogenesis of the disease. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2008</b> , 7, 3-10	2.6	119
270	Oxidative stress and neurodegeneration. <i>Annals of the New York Academy of Sciences</i> , <b>2005</b> , 1043, 545-55	5.5	115
269	Hibernation, a model of neuroprotection. <i>American Journal of Pathology</i> , <b>2001</b> , 158, 2145-51	5.8	114
268	Reexamining Alzheimer's disease: evidence for a protective role for amyloid-beta protein precursor and amyloid-beta. <i>Journal of Alzheimer's Disease</i> , <b>2009</b> , 18, 447-52	4.3	111
267	Mitochondrial DNA oxidative damage and repair in aging and Alzheimer's disease. <i>Antioxidants and Redox Signaling</i> , <b>2013</b> , 18, 2444-57	8.4	109
266	Activation of MKK6, an upstream activator of p38, in Alzheimer's disease. <i>Journal of Neurochemistry</i> , <b>2001</b> , 79, 311-8	6	109
265	Neuropathology of Alzheimer disease: pathognomonic but not pathogenic. <i>Acta Neuropathologica</i> , <b>2006</b> , 111, 503-9	14.3	108
264	NLRP3 Inflammasome Inhibitor Ameliorates Amyloid Pathology in a Mouse Model of Alzheimer's Disease. <i>Molecular Neurobiology</i> , <b>2018</b> , 55, 1977-1987	6.2	107
263	Chronic oxidative stress causes increased tau phosphorylation in M17 neuroblastoma cells. <i>Neuroscience Letters</i> , <b>2010</b> , 468, 267-71	3.3	107
262	Leptin reduces Alzheimer's disease-related tau phosphorylation in neuronal cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2008</b> , 376, 536-41	3.4	104
261	Oxidative stress: the old enemy in Alzheimer's disease pathophysiology. <i>Current Alzheimer Research</i> , <b>2005</b> , 2, 403-8	3	104
260	Leptin: a novel therapeutic strategy for Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , <b>2009</b> , 16, 731-40	4.3	103
259	LRRK2-mediated neurodegeneration and dysfunction of dopaminergic neurons in a <i>Caenorhabditis elegans</i> model of Parkinson's disease. <i>Neurobiology of Disease</i> , <b>2010</b> , 40, 73-81	7.5	103

258	Nanoparticle and other metal chelation therapeutics in Alzheimer disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2005</b> , 1741, 246-52	6.9	103
257	Alzheimer-specific epitopes of tau represent lipid peroxidation-induced conformations. <i>Free Radical Biology and Medicine</i> , <b>2005</b> , 38, 746-54	7.8	102
256	Evidence of DNA damage in Alzheimer disease: phosphorylation of histone H2AX in astrocytes. <i>Age</i> , <b>2008</b> , 30, 209-15		101
255	Cellular prion protein is essential for oligomeric amyloid- $\beta$ -induced neuronal cell death. <i>Human Molecular Genetics</i> , <b>2012</b> , 21, 1138-44	5.6	98
254	Oxidative imbalance in Alzheimer's disease. <i>Molecular Neurobiology</i> , <b>2005</b> , 31, 205-17	6.2	97
253	Cell cycle re-entry mediated neurodegeneration and its treatment role in the pathogenesis of Alzheimer's disease. <i>Neurochemistry International</i> , <b>2009</b> , 54, 84-8	4.4	96
252	DLP1-dependent mitochondrial fragmentation mediates 1-methyl-4-phenylpyridinium toxicity in neurons: implications for Parkinson's disease. <i>Aging Cell</i> , <b>2011</b> , 10, 807-23	9.9	95
251	Antioxidant therapy in Alzheimer's disease: theory and practice. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2008</b> , 8, 1395-406	3.2	95
250	Leptin inhibits glycogen synthase kinase-3 $\beta$ to prevent tau phosphorylation in neuronal cells. <i>Neuroscience Letters</i> , <b>2009</b> , 455, 191-4	3.3	92
249	Mitochondrial failures in Alzheimer's disease. <i>American Journal of Alzheimeris Disease and Other Dementias</i> , <b>2004</b> , 19, 345-52	2.5	92
248	Absence of cellular stress in brain after hypoxia induced by arousal from hibernation in Arctic ground squirrels. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2005</b> , 289, R1297-306	3.2	92
247	Amyloid-beta-derived diffusible ligands cause impaired axonal transport of mitochondria in neurons. <i>Neurodegenerative Diseases</i> , <b>2010</b> , 7, 56-9	2.3	91
246	Antioxidant approaches for the treatment of Alzheimer's disease. <i>Expert Review of Neurotherapeutics</i> , <b>2010</b> , 10, 1201-8	4.3	91
245	Alzheimer disease: evidence for a central pathogenic role of iron-mediated reactive oxygen species. <i>Journal of Alzheimeris Disease</i> , <b>2004</b> , 6, 165-9	4.3	86
244	Contribution of redox-active iron and copper to oxidative damage in Alzheimer disease. <i>Ageing Research Reviews</i> , <b>2004</b> , 3, 319-26	12	84
243	The cell cycle in Alzheimer disease: a unique target for neuropharmacology. <i>Mechanisms of Ageing and Development</i> , <b>2005</b> , 126, 1019-25	5.6	83
242	Phosphorylation of tau protein as the link between oxidative stress, mitochondrial dysfunction, and connectivity failure: implications for Alzheimer's disease. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2013</b> , 2013, 940603	6.7	82
241	Insights into amyloid-beta-induced mitochondrial dysfunction in Alzheimer disease. <i>Free Radical Biology and Medicine</i> , <b>2007</b> , 43, 1569-73	7.8	82

240	Amyloid beta: the alternate hypothesis. <i>Current Alzheimer Research</i> , <b>2006</b> , 3, 75-80	3	82
239	Indoleamine 2,3-dioxygenase and 3-hydroxykynurenine modifications are found in the neuropathology of Alzheimer's disease. <i>Redox Report</i> , <b>2010</b> , 15, 161-8	5.9	81
238	All-trans retinoic acid as a novel therapeutic strategy for Alzheimer's disease. <i>Expert Review of Neurotherapeutics</i> , <b>2009</b> , 9, 1615-21	4.3	80
237	Oxidative damage to RNA in neurodegenerative diseases. <i>Journal of Biomedicine and Biotechnology</i> , <b>2006</b> , 2006, 82323		80
236	Activation of oncogenic pathways in degenerating neurons in Alzheimer disease. <i>International Journal of Developmental Neuroscience</i> , <b>2000</b> , 18, 433-7	2.7	80
235	DJ-1 regulates the integrity and function of ER-mitochondria association through interaction with IP3R3-Grp75-VDAC1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 25322-25328	11.5	80
234	Dysregulation of leptin signaling in Alzheimer disease: evidence for neuronal leptin resistance. <i>Journal of Neurochemistry</i> , <b>2014</b> , 128, 162-72	6	79
233	The earliest stage of cognitive impairment in transition from normal aging to Alzheimer disease is marked by prominent RNA oxidation in vulnerable neurons. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2012</b> , 71, 233-41	3.1	79
232	Signal transduction cascades associated with oxidative stress in Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , <b>2007</b> , 11, 143-52	4.3	79
231	High-resolution analytical imaging and electron holography of magnetite particles in amyloid cores of Alzheimer's disease. <i>Scientific Reports</i> , <b>2016</b> , 6, 24873	4.9	79
230	Neuronal failure in Alzheimer's disease: a view through the oxidative stress looking-glass. <i>Neuroscience Bulletin</i> , <b>2014</b> , 30, 243-52	4.3	78
229	The concept of redox balance in Alzheimer's disease: Mark Anthony Smith 1965-2010. <i>Redox Report</i> , <b>2011</b> , 16, 47-48	5.9	78
228	Increased p27, an essential component of cell cycle control, in Alzheimer's disease. <i>Aging Cell</i> , <b>2003</b> , 2, 105-10	9.9	78
227	Intraneuronal amyloid beta accumulation and oxidative damage to nucleic acids in Alzheimer disease. <i>Neurobiology of Disease</i> , <b>2010</b> , 37, 731-7	7.5	77
226	Apoptosis in Alzheimer disease: a mathematical improbability. <i>Current Alzheimer Research</i> , <b>2006</b> , 3, 393-9		75
225	Inhibition of mitochondrial fragmentation protects against Alzheimer's disease in rodent model. <i>Human Molecular Genetics</i> , <b>2017</b> , 26, 4118-4131	5.6	71
224	Alzheimer's disease: diverse aspects of mitochondrial malfunctioning. <i>International Journal of Clinical and Experimental Pathology</i> , <b>2010</b> , 3, 570-81	1.4	71
223	Mitochondrial dynamics in Alzheimer's disease: opportunities for future treatment strategies. <i>Drugs and Aging</i> , <b>2010</b> , 27, 181-92	4.7	70

222	eIF2alpha phosphorylation tips the balance to apoptosis during osmotic stress. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 17098-111	5.4	68
221	c-Jun phosphorylation in Alzheimer disease. <i>Journal of Neuroscience Research</i> , <b>2007</b> , 85, 1668-73	4.4	68
220	Amyloid-beta42 interacts mainly with insoluble prion protein in the Alzheimer brain. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 15095-105	5.4	67
219	The neuronal expression of MYC causes a neurodegenerative phenotype in a novel transgenic mouse. <i>American Journal of Pathology</i> , <b>2009</b> , 174, 891-7	5.8	65
218	Abnormal mitochondrial dynamics--a novel therapeutic target for Alzheimer's disease?. <i>Molecular Neurobiology</i> , <b>2010</b> , 41, 87-96	6.2	65
217	Amyloid-beta, tau alterations and mitochondrial dysfunction in Alzheimer disease: the chickens or the eggs?. <i>Neurochemistry International</i> , <b>2002</b> , 40, 527-31	4.4	64
216	Cell cycle events in neurons. Proliferation or death?. <i>American Journal of Pathology</i> , <b>1999</b> , 155, 327-9	5.8	63
215	Activation of the extracellular signal-regulated kinase pathway contributes to the behavioral deficit of fragile x-syndrome. <i>Journal of Neurochemistry</i> , <b>2012</b> , 121, 672-9	6	62
214	Kinase inhibitors arrest neurodegeneration in cell and C. elegans models of LRRK2 toxicity. <i>Human Molecular Genetics</i> , <b>2013</b> , 22, 328-44	5.6	62
213	Pathological implications of cell cycle re-entry in Alzheimer disease. <i>Expert Reviews in Molecular Medicine</i> , <b>2010</b> , 12, e19	6.7	62
212	Physiological regulation of tau phosphorylation during hibernation. <i>Journal of Neurochemistry</i> , <b>2008</b> , 105, 2098-108	6	62
211	Alzheimer's disease: cerebrovascular dysfunction, oxidative stress, and advanced clinical therapies. <i>Journal of Alzheimer's Disease</i> , <b>2008</b> , 15, 199-210	4.3	61
210	Posttranslational modifications of $\beta$ -tubulin in Alzheimer disease. <i>Translational Neurodegeneration</i> , <b>2015</b> , 4, 9	10.3	60
209	Endoplasmic reticulum-mitochondria tethering in neurodegenerative diseases. <i>Translational Neurodegeneration</i> , <b>2017</b> , 6, 21	10.3	60
208	Oxidative stress and neuronal adaptation in Alzheimer disease: the role of SAPK pathways. <i>Antioxidants and Redox Signaling</i> , <b>2003</b> , 5, 571-6	8.4	60
207	Insulin is a two-edged knife on the brain. <i>Journal of Alzheimer's Disease</i> , <b>2009</b> , 18, 483-507	4.3	59
206	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> , <b>2004</b> , 75, 698-703	4.4	58
205	Bivalent ligand containing curcumin and cholesterol as fluorescence probe for A $\beta$ plaques in Alzheimer's disease. <i>ACS Chemical Neuroscience</i> , <b>2012</b> , 3, 141-146	5.7	56

204	Ectopic expression of phospho-Smad2 in Alzheimer's disease: uncoupling of the transforming growth factor-beta pathway?. <i>Journal of Neuroscience Research</i> , <b>2006</b> , 84, 1856-61	4.4	56
203	JKK1, an upstream activator of JNK/SAPK, is activated in Alzheimer's disease. <i>Journal of Neurochemistry</i> , <b>2003</b> , 85, 87-93	6	56
202	LRRK2 protein is a component of Lewy bodies. <i>Annals of Neurology</i> , <b>2006</b> , 60, 617-8; author reply 618-9	9.4	54
201	Trichosanthin induced apoptosis in HL-60 cells via mitochondrial and endoplasmic reticulum stress signaling pathways. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2007</b> , 1770, 1169-80	4	54
200	The role of iron as a mediator of oxidative stress in Alzheimer disease. <i>BioFactors</i> , <b>2012</b> , 38, 133-8	6.1	53
199	Cell cycle deregulation in the neurons of Alzheimer's disease. <i>Results and Problems in Cell Differentiation</i> , <b>2011</b> , 53, 565-76	1.4	53
198	Aberrant expression of metabotropic glutamate receptor 2 in the vulnerable neurons of Alzheimer's disease. <i>Acta Neuropathologica</i> , <b>2004</b> , 107, 365-71	14.3	53
197	Mitochondrial biology in Alzheimer's disease pathogenesis. <i>Journal of Neurochemistry</i> , <b>2010</b> , 114, 933-456		52
196	Skin $\alpha$ -Synuclein Aggregation Seeding Activity as a Novel Biomarker for Parkinson Disease. <i>JAMA Neurology</i> , <b>2020</b> ,	17.2	52
195	Perspectives on the amyloid-beta cascade hypothesis. <i>Journal of Alzheimeris Disease</i> , <b>2004</b> , 6, 137-45	4.3	51
194	Neuroprotective effect of cocoa flavonoids on in vitro oxidative stress. <i>European Journal of Nutrition</i> , <b>2009</b> , 48, 54-61	5.2	50
193	Neurofilamentopathy in neurodegenerative diseases. <i>The Open Neurology Journal</i> , <b>2011</b> , 5, 58-62	0.4	50
192	Role of mitochondrial-mediated signaling pathways in Alzheimer disease and hypoxia. <i>Journal of Bioenergetics and Biomembranes</i> , <b>2009</b> , 41, 433-40	3.7	49
191	Prevention and treatment of Alzheimer disease and aging: antioxidants. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2007</b> , 7, 171-80	3.2	49
190	Amyloid-beta in Alzheimer's disease: the horse or the cart? Pathogenic or protective?. <i>International Journal of Experimental Pathology</i> , <b>2005</b> , 86, 133-8	2.8	48
189	New Perspectives on Alzheimer's Disease and Nutrition. <i>Journal of Alzheimeris Disease</i> , <b>2015</b> , 46, 1111-27	4.3	47
188	Early induction of oxidative stress in mouse model of Alzheimer disease with reduced mitochondrial superoxide dismutase activity. <i>PLoS ONE</i> , <b>2012</b> , 7, e28033	3.7	47
187	Mitochondrial importance in Alzheimer's, Huntington's and Parkinson's diseases. <i>Advances in Experimental Medicine and Biology</i> , <b>2012</b> , 724, 205-21	3.6	47

186	Biomarkers in Alzheimer's disease: past, present and future. <i>Biomarkers in Medicine</i> , <b>2010</b> , 4, 15-26	2.3	47
185	Signaling effect of amyloid-beta(42) on the processing of AbetaPP. <i>Experimental Neurology</i> , <b>2010</b> , 221, 18-25	5.7	46
184	Neuroprotective properties of Bcl-w in Alzheimer disease. <i>Journal of Neurochemistry</i> , <b>2004</b> , 89, 1233-40	6	46
183	Distribution, levels, and activation of MEK1 in Alzheimer's disease. <i>Journal of Neurochemistry</i> , <b>2003</b> , 86, 136-42	6	46
182	Neuronal polo-like kinase in Alzheimer disease indicates cell cycle changes. <i>Neurobiology of Aging</i> , <b>2000</b> , 21, 837-41	5.6	46
181	Autophagy in Alzheimer's disease. <i>Expert Review of Neurotherapeutics</i> , <b>2010</b> , 10, 1209-18	4.3	45
180	Expression of CD74 is increased in neurofibrillary tangles in Alzheimer's disease. <i>Molecular Neurodegeneration</i> , <b>2008</b> , 3, 13	19	45
179	Comparative biology and pathology of oxidative stress in Alzheimer and other neurodegenerative diseases: beyond damage and response. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2002</b> , 133, 507-13	3.2	45
178	Miro1 deficiency in amyotrophic lateral sclerosis. <i>Frontiers in Aging Neuroscience</i> , <b>2015</b> , 7, 100	5.3	44
177	Down-regulation of serum gonadotropins is as effective as estrogen replacement at improving menopause-associated cognitive deficits. <i>Journal of Neurochemistry</i> , <b>2010</b> , 112, 870-81	6	44
176	BRCA1 may modulate neuronal cell cycle re-entry in Alzheimer disease. <i>International Journal of Medical Sciences</i> , <b>2007</b> , 4, 140-5	3.7	44
175	Mfn2 ablation causes an oxidative stress response and eventual neuronal death in the hippocampus and cortex. <i>Molecular Neurodegeneration</i> , <b>2018</b> , 13, 5	19	43
174	Detection and localization of markers of oxidative stress by in situ methods: application in the study of Alzheimer disease. <i>Methods in Molecular Biology</i> , <b>2010</b> , 610, 419-34	1.4	43
173	Causes versus effects: the increasing complexities of Alzheimer's disease pathogenesis. <i>Expert Review of Neurotherapeutics</i> , <b>2010</b> , 10, 683-91	4.3	43
172	Antigen-antibody dissociation in Alzheimer disease: a novel approach to diagnosis. <i>Journal of Neurochemistry</i> , <b>2008</b> , 106, 1350-6	6	43
171	Curcumin/melatonin hybrid 5-(4-hydroxy-phenyl)-3-oxo-pentanoic acid [2-(5-methoxy-1H-indol-3-yl)-ethyl]-amide ameliorates AD-like pathology in the APP/PS1 mouse model. <i>ACS Chemical Neuroscience</i> , <b>2015</b> , 6, 1393-1399	5.7	42
170	Aberrant localization of importin alpha1 in hippocampal neurons in Alzheimer disease. <i>Brain Research</i> , <b>2006</b> , 1124, 1-4	3.7	42
169	Individual Case Analysis of Postmortem Interval Time on Brain Tissue Preservation. <i>PLoS ONE</i> , <b>2016</b> , 11, e0151615	3.7	42

168	Therapeutic opportunities in Alzheimer disease: one for all or all for one?. <i>Current Medicinal Chemistry</i> , <b>2005</b> , 12, 1137-47	4.3	41
167	Increased isoprostane and prostaglandin are prominent in neurons in Alzheimer disease. <i>Molecular Neurodegeneration</i> , <b>2007</b> , 2, 2	19	40
166	Chronological primacy of oxidative stress in Alzheimer disease. <i>Neurobiology of Aging</i> , <b>2005</b> , 26, 579-80	5.6	40
165	The suppression of ghrelin signaling mitigates age-associated thermogenic impairment. <i>Aging</i> , <b>2014</b> , 6, 1019-32	5.6	40
164	Nuclear and mitochondrial DNA oxidation in Alzheimer's disease. <i>Free Radical Research</i> , <b>2012</b> , 46, 565-76	4	39
163	Insulin signaling, diabetes mellitus and risk of Alzheimer disease. <i>Journal of Alzheimeris Disease</i> , <b>2005</b> , 7, 81-4	4.3	39
162	Protein disulfide isomerase in Alzheimer disease. <i>Antioxidants and Redox Signaling</i> , <b>2000</b> , 2, 485-9	8.4	39
161	Melatonin acts as antioxidant and pro-oxidant in an organotypic slice culture model of Alzheimer's disease. <i>NeuroReport</i> , <b>2001</b> , 12, 1277-80	1.7	39
160	MicroRNA-26a/Death-Associated Protein Kinase $\beta$ Signaling Induces Synucleinopathy and Dopaminergic Neuron Degeneration in Parkinson's Disease. <i>Biological Psychiatry</i> , <b>2019</b> , 85, 769-781	7.9	39
159	Amyloid Beta and tau proteins as therapeutic targets for Alzheimer's disease treatment: rethinking the current strategy. <i>International Journal of Alzheimeris Disease</i> , <b>2012</b> , 2012, 630182	3.7	38
158	LRRK2 in Parkinson's disease and dementia with Lewy bodies. <i>Molecular Neurodegeneration</i> , <b>2006</b> , 1, 17	19	38
157	P38 activation mediates amyloid-beta cytotoxicity. <i>Neurochemical Research</i> , <b>2005</b> , 30, 791-6	4.6	38
156	The p38 pathway is activated in Pick disease and progressive supranuclear palsy: a mechanistic link between mitogenic pathways, oxidative stress, and tau. <i>Neurobiology of Aging</i> , <b>2002</b> , 23, 855-9	5.6	38
155	Molecular pathogenesis of Alzheimer's disease: reductionist versus expansionist approaches. <i>International Journal of Molecular Sciences</i> , <b>2009</b> , 10, 1386-406	6.3	37
154	A novel origin for granulovacuolar degeneration in aging and Alzheimer's disease: parallels to stress granules. <i>Laboratory Investigation</i> , <b>2011</b> , 91, 1777-86	5.9	37
153	Therapeutic options in Alzheimer's disease. <i>Expert Review of Neurotherapeutics</i> , <b>2006</b> , 6, 897-910	4.3	37
152	Activation of Akt by lithium: pro-survival pathways in aging. <i>Mechanisms of Ageing and Development</i> , <b>2009</b> , 130, 253-61	5.6	36
151	Neuropathology and treatment of Alzheimer disease: did we lose the forest for the trees?. <i>Expert Review of Neurotherapeutics</i> , <b>2007</b> , 7, 473-85	4.3	36

150	Mitochondrial dynamic abnormalities in amyotrophic lateral sclerosis. <i>Translational Neurodegeneration</i> , <b>2015</b> , 4, 14	10.3	35
149	MAPKs are differentially modulated in arctic ground squirrels during hibernation. <i>Journal of Neuroscience Research</i> , <b>2005</b> , 80, 862-8	4.4	34
148	Down-regulation of serum gonadotropins but not estrogen replacement improves cognition in aged-ovariectomized 3xTg AD female mice. <i>Journal of Neurochemistry</i> , <b>2014</b> , 130, 115-25	6	33
147	Mutant presenilin 1 increases the expression and activity of BACE1. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 9027-38	5.4	33
146	Compensatory responses induced by oxidative stress in Alzheimer disease. <i>Biological Research</i> , <b>2006</b> , 39, 7-13	7.6	33
145	Oxidative damage and Alzheimer's disease: are antioxidant therapies useful?. <i>Drug News and Perspectives</i> , <b>2005</b> , 18, 13-9		33
144	Mitochondria: the missing link between preconditioning and neuroprotection. <i>Journal of Alzheimer's Disease</i> , <b>2010</b> , 20 Suppl 2, S475-85	4.3	32
143	Cell cycle re-entry and mitochondrial defects in myc-mediated hypertrophic cardiomyopathy and heart failure. <i>PLoS ONE</i> , <b>2009</b> , 4, e7172	3.7	32
142	The effect of mGluR2 activation on signal transduction pathways and neuronal cell survival. <i>Brain Research</i> , <b>2009</b> , 1249, 244-50	3.7	32
141	Heme catabolism and heme oxygenase in neurodegenerative disease. <i>Antioxidants and Redox Signaling</i> , <b>2004</b> , 6, 888-94	8.4	32
140	Apoptotic promoters and inhibitors in Alzheimer's disease: Who wins out?. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2003</b> , 27, 251-4	5.5	32
139	The role of metabotropic glutamate receptors in Alzheimer's disease. <i>Acta Neurobiologiae Experimentalis</i> , <b>2004</b> , 64, 89-98	1	32
138	Mfn2 protects dopaminergic neurons exposed to paraquat both in vitro and in vivo: Implications for idiopathic Parkinson's disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2017</b> , 1863, 1359-1370	6.9	31
137	Glutaredoxin deficiency exacerbates neurodegeneration in <i>C. elegans</i> models of Parkinson's disease. <i>Human Molecular Genetics</i> , <b>2015</b> , 24, 1322-35	5.6	31
136	Antimicrobial peptide Defensin-1 expression is upregulated in Alzheimer's brain. <i>Journal of Neuroinflammation</i> , <b>2013</b> , 10, 127	10.1	31
135	Consequences of RNA oxidation on protein synthesis rate and fidelity: implications for the pathophysiology of neuropsychiatric disorders. <i>Biochemical Society Transactions</i> , <b>2017</b> , 45, 1053-1066	5.1	31
134	Do neurons have a choice in death?. <i>American Journal of Pathology</i> , <b>2001</b> , 158, 1-2	5.8	30
133	Differential regulation of glutamate receptors in Alzheimer's disease. <i>NeuroSignals</i> , <b>2002</b> , 11, 282-92	1.9	29

132	Oxidative Stress and its Implications for Future Treatments and Management of Alzheimer Disease. <i>International Journal of Biomedical Science</i> , <b>2010</b> , 6, 225-227		29
131	A conserved retromer sorting motif is essential for mitochondrial DLP1 recycling by VPS35 in Parkinson's disease model. <i>Human Molecular Genetics</i> , <b>2017</b> , 26, 781-789	5.6	29
130	Estrogen receptor- $\beta$ s localized to neurofibrillary tangles in Alzheimer's disease. <i>Scientific Reports</i> , <b>2016</b> , 6, 20352	4.9	29
129	Getting the iron out: phlebotomy for Alzheimer's disease?. <i>Medical Hypotheses</i> , <b>2009</b> , 72, 504-9	3.8	28
128	Mitogen- and stress-activated protein kinase 1: convergence of the ERK and p38 pathways in Alzheimer's disease. <i>Journal of Neuroscience Research</i> , <b>2005</b> , 79, 554-60	4.4	28
127	Parkinson's disease-associated pathogenic VPS35 mutation causes complex I deficits. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2017</b> , 1863, 2791-2795	6.9	27
126	Nanoparticle delivery of transition-metal chelators to the brain: Oxidative stress will never see it coming!. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2012</b> , 11, 81-5	2.6	27
125	Hydroxynonenal-generated crosslinking fluorophore accumulation in Alzheimer disease reveals a dichotomy of protein turnover. <i>Free Radical Biology and Medicine</i> , <b>2012</b> , 52, 699-704	7.8	27
124	The cell cycle regulator phosphorylated retinoblastoma protein is associated with tau pathology in several tauopathies. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2011</b> , 70, 578-87	3.1	27
123	Ectopic localization of FOXO3a protein in Lewy bodies in Lewy body dementia and Parkinson's disease. <i>Molecular Neurodegeneration</i> , <b>2009</b> , 4, 32	19	27
122	Steroidogenic acute regulatory protein (StAR): evidence of gonadotropin-induced steroidogenesis in Alzheimer disease. <i>Molecular Neurodegeneration</i> , <b>2006</b> , 1, 14	19	27
121	Neurons in Alzheimer disease emerge from senescence. <i>Mechanisms of Ageing and Development</i> , <b>2001</b> , 123, 3-9	5.6	27
120	The mitochondrial dynamics of Alzheimer's disease and Parkinson's disease offer important opportunities for therapeutic intervention. <i>Current Pharmaceutical Design</i> , <b>2011</b> , 17, 3374-80	3.3	26
119	Emerging evidence for the neuroprotective role of alpha-synuclein. <i>Experimental Neurology</i> , <b>2006</b> , 200, 1-7	5.7	25
118	Is Alzheimer's disease a mitochondrial disorder?. <i>Neuroscientist</i> , <b>2002</b> , 8, 489-96	7.6	25
117	Leucine-rich repeat kinase 2 colocalizes with alpha-synuclein in Parkinson's disease, but not tau-containing deposits in tauopathies. <i>Neurodegenerative Diseases</i> , <b>2008</b> , 5, 222-4	2.3	24
116	PKC inhibition is involved in trichosanthin-induced apoptosis in human chronic myeloid leukemia cell line K562. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2007</b> , 1770, 63-70	4	24
115	Retinoblastoma protein phosphorylation at multiple sites is associated with neurofibrillary pathology in Alzheimer disease. <i>International Journal of Clinical and Experimental Pathology</i> , <b>2008</b> , 1, 134-46	1.4	24

114	CXCL12 is involved in Synuclein-triggered neuroinflammation of Parkinson's disease. <i>Journal of Neuroinflammation</i> , <b>2019</b> , 16, 263	10.1	24
113	Mfn2 Ablation in the Adult Mouse Hippocampus and Cortex Causes Neuronal Death. <i>Cells</i> , <b>2020</b> , 9,	7.9	23
112	Upregulation of Glutaredoxin-1 Activates Microglia and Promotes Neurodegeneration: Implications for Parkinson's Disease. <i>Antioxidants and Redox Signaling</i> , <b>2016</b> , 25, 967-982	8.4	23
111	Mitochondrial preconditioning: a potential neuroprotective strategy. <i>Frontiers in Aging Neuroscience</i> , <b>2010</b> , 2,	5.3	23
110	Novel therapeutics for Alzheimer's disease: an update. <i>Current Opinion in Drug Discovery &amp; Development</i> , <b>2010</b> , 13, 235-46		23
109	Regulation of DJ-1 by Glutaredoxin 1 in Vivo: Implications for Parkinson's Disease. <i>Biochemistry</i> , <b>2016</b> , 55, 4519-32	3.2	22
108	The neuroprotective effect of human uncoupling protein 2 (hUCP2) requires cAMP-dependent protein kinase in a toxin model of Parkinson's disease. <i>Neurobiology of Disease</i> , <b>2014</b> , 69, 180-91	7.5	22
107	Beyond estrogen: targeting gonadotropin hormones in the treatment of Alzheimer's disease. <i>CNS and Neurological Disorders</i> , <b>2004</b> , 3, 281-5		22
106	Luteinizing hormone downregulation but not estrogen replacement improves ovariectomy-associated cognition and spine density loss independently of treatment onset timing. <i>Hormones and Behavior</i> , <b>2016</b> , 78, 60-6	3.7	21
105	Distribution, levels and phosphorylation of Raf-1 in Alzheimer's disease. <i>Journal of Neurochemistry</i> , <b>2006</b> , 99, 1377-88	6	21
104	Frontiers in Alzheimer's disease therapeutics. <i>Therapeutic Advances in Chronic Disease</i> , <b>2011</b> , 2, 9-23	4.9	20
103	Microbial origin of glutamate, hibernation and tissue trauma: an in vivo microdialysis study. <i>Journal of Neuroscience Methods</i> , <b>2002</b> , 119, 121-8	3	20
102	Abortive oncogeny and cell cycle-mediated events in Alzheimer disease. <i>Progress in Cell Cycle Research</i> , <b>2000</b> , 4, 235-42		20
101	A low-molecular-weight ferroxidase is increased in the CSF of sCJD cases: CSF ferroxidase and transferrin as diagnostic biomarkers for sCJD. <i>Antioxidants and Redox Signaling</i> , <b>2013</b> , 19, 1662-75	8.4	18
100	Widespread distribution of reticulon-3 in various neurodegenerative diseases. <i>Neuropathology</i> , <b>2010</b> , 30, 574-9	2	18
99	Amyloid-beta vaccination: testing the amyloid hypothesis?: heads we win, tails you lose!. <i>American Journal of Pathology</i> , <b>2006</b> , 169, 738-9	5.8	18
98	Mitochondrial abnormalities and oxidative imbalance in neurodegenerative disease. <i>Science of Aging Knowledge Environment: SAGE KE</i> , <b>2002</b> , 2002, pe16		18
97	Sequential formation of different layers of dystrophic neurites in Alzheimer's brains. <i>Molecular Psychiatry</i> , <b>2019</b> , 24, 1369-1382	15.1	17

96	Will preventing protein aggregates live up to its promise as prophylaxis against neurodegenerative diseases?. <i>Brain Pathology</i> , <b>2003</b> , 13, 630-8	6	17
95	Down-regulation of aminolevulinate synthase, the rate-limiting enzyme for heme biosynthesis in Alzheimer's disease. <i>Neuroscience Letters</i> , <b>2009</b> , 460, 180-4	3.3	16
94	The (un)balance between metabolic and oxidative abnormalities and cellular compensatory responses in Alzheimer disease. <i>Mechanisms of Ageing and Development</i> , <b>2006</b> , 127, 501-6	5.6	16
93	The cell cycle and hormonal fluxes in Alzheimer disease: a novel therapeutic target. <i>Current Pharmaceutical Design</i> , <b>2006</b> , 12, 691-7	3.3	16
92	Tipping the apoptotic balance in Alzheimer's disease: the abortosis concept. <i>Cell Biochemistry and Biophysics</i> , <b>2003</b> , 39, 249-55	3.2	16
91	Cyclin' toward dementia <b>2000</b> , 61, 128		16
90	Alzheimer's disease: an intracellular movement disorder?. <i>Trends in Molecular Medicine</i> , <b>2005</b> , 11, 391-3	11.5	15
89	Staying connected: synapses in Alzheimer disease. <i>American Journal of Pathology</i> , <b>2004</b> , 165, 1461-4	5.8	15
88	Streamlined alpha-synuclein RT-QuIC assay for various biospecimens in Parkinson's disease and dementia with Lewy bodies. <i>Acta Neuropathologica Communications</i> , <b>2021</b> , 9, 62	7.3	15
87	METTL3-dependent RNA mA dysregulation contributes to neurodegeneration in Alzheimer's disease through aberrant cell cycle events. <i>Molecular Neurodegeneration</i> , <b>2021</b> , 16, 70	19	15
86	Early induction of c-Myc is associated with neuronal cell death. <i>Neuroscience Letters</i> , <b>2011</b> , 505, 124-7	3.3	14
85	The rs3756063 polymorphism is associated with SNCA methylation in the Chinese Han population. <i>Journal of the Neurological Sciences</i> , <b>2016</b> , 367, 11-4	3.2	13
84	Ionizing radiation causes increased tau phosphorylation in primary neurons. <i>Journal of Neurochemistry</i> , <b>2014</b> , 131, 86-93	6	13
83	The essential role of ERK in 4-oxo-2-nonenal-mediated cytotoxicity in SH-SY5Y human neuroblastoma cells. <i>Journal of Neurochemistry</i> , <b>2009</b> , 108, 1434-41	6	13
82	Increased expression of p130 in Alzheimer disease. <i>Neurochemical Research</i> , <b>2007</b> , 32, 639-44	4.6	13
81	Therapeutic potential of oxidant mechanisms in Alzheimer's disease. <i>Expert Review of Neurotherapeutics</i> , <b>2004</b> , 4, 995-1004	4.3	13
80	Ascorbate distribution during hibernation is independent of ascorbate redox state. <i>Free Radical Biology and Medicine</i> , <b>2004</b> , 37, 511-20	7.8	13
79	Ferric cycle activity and Alzheimer disease. <i>Current Neurovascular Research</i> , <b>2005</b> , 2, 261-7	1.8	13

78	Genome-wide analysis of DNA methylation during antagonism of DMOG to MnCl <sub>2</sub> -induced cytotoxicity in the mouse substantia nigra. <i>Scientific Reports</i> , <b>2016</b> , 6, 28933	4.9	13
77	Alzheimer's disease and the cell cycle. <i>Acta Neurobiologiae Experimentalis</i> , <b>2004</b> , 64, 107-12	1	13
76	Clinical and imaging characteristics of late onset mitochondrial membrane protein-associated neurodegeneration (MPAN). <i>Neurocase</i> , <b>2016</b> , 22, 476-483	0.8	12
75	Divalent metal transporter, iron, and Parkinson's disease: a pathological relationship. <i>Cell Research</i> , <b>2010</b> , 20, 397-9	24.7	12
74	Mitochondrial Drugs for Alzheimer Disease. <i>Pharmaceuticals</i> , <b>2009</b> , 2, 287-298	5.2	12
73	Treating the lesions, not the disease. <i>American Journal of Pathology</i> , <b>2007</b> , 170, 1457-9	5.8	12
72	Prion Protein Protects against Renal Ischemia/Reperfusion Injury. <i>PLoS ONE</i> , <b>2015</b> , 10, e0136923	3.7	12
71	Inhibition of phosphodiesterase 2 reverses gp91phox oxidase-mediated depression- and anxiety-like behavior. <i>Neuropharmacology</i> , <b>2018</b> , 143, 176-185	5.5	12
70	Dynamin-like protein 1 cleavage by calpain in Alzheimer's disease. <i>Aging Cell</i> , <b>2019</b> , 18, e12912	9.9	11
69	Mislocalization of CDK11/PITSLRE, a regulator of the G2/M phase of the cell cycle, in Alzheimer disease. <i>Cellular and Molecular Biology Letters</i> , <b>2011</b> , 16, 359-72	8.1	11
68	Insights into the Impact of a Membrane-Anchoring Moiety on the Biological Activities of Bivalent Compounds As Potential Neuroprotectants for Alzheimer's Disease. <i>Journal of Medicinal Chemistry</i> , <b>2018</b> , 61, 777-790	8.3	10
67	Glycogen synthase kinase 3: a point of integration in Alzheimer's disease and a therapeutic target?. <i>International Journal of Alzheimeris Disease</i> , <b>2012</b> , 2012, 276803	3.7	10
66	Molecular neuropathogenesis of Alzheimer's disease: an interaction model stressing the central role of oxidative stress. <i>Future Neurology</i> , <b>2012</b> , 7, 287-305	1.5	10
65	Heme deficiency in Alzheimer's disease: a possible connection to porphyria. <i>Journal of Biomedicine and Biotechnology</i> , <b>2006</b> , 2006, 24038		10
64	The Key Role of Oxidative Stress in Alzheimer's Disease <b>2007</b> , 267-281		10
63	Neuropathology in Alzheimer's disease: awakening from a hundred-year-old dream. <i>Science of Aging Knowledge Environment: SAGE KE</i> , <b>2006</b> , 2006, pe10		10
62	CD3 in Lewy pathology: does the abnormal recall of neurodevelopmental processes underlie Parkinson's disease. <i>Journal of Neural Transmission</i> , <b>2011</b> , 118, 23-6	4.3	9
61	Tau modifiers as therapeutic targets for Alzheimer's disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2005</b> , 1739, 211-5	6.9	9

60	A second look into the oxidant mechanisms in Alzheimer's disease. <i>Current Neurovascular Research</i> , <b>2005</b> , 2, 179-84	1.8	9
59	Biogenic metallic elements in the human brain?. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	9
58	Insulin and Insulin-Sensitizing Drugs in Neurodegeneration: Mitochondria as Therapeutic Targets. <i>Pharmaceuticals</i> , <b>2009</b> , 2, 250-286	5.2	8
57	Heme-a, the heme prosthetic group of cytochrome c oxidase, is increased in Alzheimer's disease. <i>Neuroscience Letters</i> , <b>2009</b> , 461, 302-5	3.3	8
56	The role of Mfn2 in the structure and function of endoplasmic reticulum-mitochondrial tethering in vivo. <i>Journal of Cell Science</i> , <b>2021</b> , 134,	5.3	8
55	Mark Anthony Smith (1965-2010): Visionary, Alzheimer researcher, and editor-in-chief of the Journal of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , <b>2011</b> , 24, 1-2	4.3	6
54	Presenilin mutation: a deadly first hit in Alzheimer disease. A commentary on "aging sensitizes towards ROS formation and lipid peroxidation in PS1M146L transgenic mice". <i>Free Radical Biology and Medicine</i> , <b>2006</b> , 40, 737-9	7.8	6
53	Redox Active Iron at the Center of Oxidative Stress in Alzheimer Disease. <i>Letters in Drug Design and Discovery</i> , <b>2005</b> , 2, 479-482	0.8	6
52	VPS35 D620N knockin mice recapitulate cardinal features of Parkinson's disease. <i>Aging Cell</i> , <b>2021</b> , 20, e13347	9.9	6
51	Vitamin C is a source of oxoaldehyde and glycative stress in age-related cataract and neurodegenerative diseases. <i>Aging Cell</i> , <b>2020</b> , 19, e13176	9.9	5
50	Amyloid-beta, BACE, and oxidative stress in Alzheimer's disease, a commentary on "The different aggregation state of beta-amyloid 1-42 mediates different effects on oxidative stress, neurodegeneration and BACE-1 expression". <i>Free Radical Biology and Medicine</i> , <b>2006</b> , 41, 188-9	7.8	5
49	Iron: A Pathological Mediator of Alzheimer Disease? <b>2009</b> , 19, 33-36		5
48	Oxidative Stress and Neurodegeneration: An Inevitable Consequence of Aging? Implications for Therapy <b>2010</b> , 305-323		4
47	Natural oxidant balance in Parkinson disease. <i>Archives of Neurology</i> , <b>2009</b> , 66, 1445		4
46	Amyotrophic lateral sclerosis: a novel hypothesis involving a gained 'loss of function' in the JNK/SAPK pathway. <i>Redox Report</i> , <b>2003</b> , 8, 129-33	5.9	4
45	The role of E2F1 in the development of hypertrophic cardiomyopathy. <i>International Journal of Clinical and Experimental Pathology</i> , <b>2011</b> , 4, 521-5	1.4	4
44	Ethnicity-specific and overlapping alterations of brain hydroxymethylome in Alzheimer's disease. <i>Human Molecular Genetics</i> , <b>2020</b> , 29, 149-158	5.6	4
43	Oxidative Stress Signaling in Blast TBI-Induced Tau Phosphorylation. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	4

42	Modulation of Parkinson's Disease Associated Protein Rescues Alzheimer's Disease Degeneration. <i>Journal of Alzheimer's Disease</i> , <b>2017</b> , 55, 73-75	4.3	4
41	The sterol regulatory element-binding protein 2 is dysregulated by tau alterations in Alzheimer disease. <i>Brain Pathology</i> , <b>2019</b> , 29, 530-543	6	4
40	Conditional Haploinsufficiency of $\beta$ Catenin Aggravates Neuronal Damage in a Paraquat-Based Mouse Model of Parkinson Disease. <i>Molecular Neurobiology</i> , <b>2019</b> , 56, 5157-5166	6.2	4
39	Mfn2 Overexpression Attenuates MPTP Neurotoxicity In Vivo. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	4
38	The origin of oxidative stress in neurodegenerative disease: Mark Anthony Smith 1965-2010. <i>Free Radical Biology and Medicine</i> , <b>2011</b> , 51, 248-249	7.8	3
37	Potential role of iron in a Mediterranean-style diet. <i>Archives of Neurology</i> , <b>2010</b> , 67, 1286-7; author reply 1287-8		3
36	Mitochondrial dysfunction: mitochondrial diseases and pathways with a focus on neurodegeneration. Preface. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2010</b> , 1802, 1	6.9	3
35	Memantine: "hypothesis testing" not "disease modifying" in Alzheimer's disease. <i>American Journal of Pathology</i> , <b>2010</b> , 176, 540-1	5.8	3
34	Neurofibrillary Tangle Formation as a Protective Response to Oxidative Stress in Alzheimer's Disease <b>2009</b> , 103-113		3
33	Isoform-specific roles of AMPK catalytic $\beta$ subunits in Alzheimer's disease. <i>Journal of Clinical Investigation</i> , <b>2020</b> , 130, 3403-3405	15.9	3
32	Evidence for Oxidative Damage in the Autistic Brain <b>2009</b> , 35-46		3
31	Neurogenesis in Human Hippocampus: Implications for Alzheimer Disease Pathogenesis. <i>Neuroembryology and Aging</i> , <b>2006</b> , 4, 175-182		2
30	Signal Transduction in Alzheimer's Disease. <i>NeuroSignals</i> , <b>2002</b> , 11, 235-235	1.9	2
29	Apoptotic and Oxidative Indicators in Alzheimer's Disease <b>2002</b> , 225-246		2
28	Pathology's new role: defining disease process and protective responses. <i>International Journal of Clinical and Experimental Pathology</i> , <b>2008</b> , 1, 1-4	1.4	2
27	The fallacy of amyloid and cognition in Alzheimer's disease. <i>Drugs and Aging</i> , <b>2006</b> , 23, 179	4.7	1
26	Oxidative Stress and Neuropsychiatric Disorders in the Life Spectrum <b>2016</b> , 157-166		1
25	Oxidative Stress in Alzheimer's Disease: A Critical Appraisal of the Causes and the Consequences <b>2011</b> , 211-220		1

24	Treatment advances in Alzheimer's disease based on the oxidative stress model. <i>F1000 Medicine Reports</i> , <b>2009</b> , 1,		1
23	Ethanol-Fixed, Paraffin-Embedded Tissue Imaging: Implications for Alzheimer's Disease Research. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2020</b> , 31, 2416-2420	3.5	1
22	Oxidative Stress and Balance in Neurodegenerative Diseases10-12		1
21	Mark A. Smith: neurocytochemistry innovator. <i>Journal of Neurochemistry</i> , <b>2012</b> , 120, 1139-40	6	
20	Alzheimer's disease therapy: a moving target. <i>Therapy: Open Access in Clinical Medicine</i> , <b>2011</b> , 8, 457-458		
19	Mark A. Smith, PhD: Renegade Scientist and Visionary. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2011</b> , 70, 495-497	3.1	
18	Neurodegenerative processes in Alzheimer's disease: an overview of pathogenesis with strategic biomarker potential. <i>Future Neurology</i> , <b>2011</b> , 6, 173-185	1.5	
17	Sequestration of p27 within the cytoplasm of cardiac myocytes in chronic ischemic heart disease: pathogenic implications for ischemic cardiomyopathy. <i>Age</i> , <b>2006</b> , 28, 85-91		
16	Oxidative Damage and Antioxidant Responses in Alzheimer's Disease <b>2001</b> , 371-378		
15	Role of Oxidative Insult and Neuronal Survival in Alzheimer's and Parkinson's Diseases <b>2008</b> , 133-148		
14	Two Hits and You're Out? A Novel Mechanistic Hypothesis of Alzheimer Disease <b>2008</b> , 191-204		
13	Neurogenesis in Alzheimer's Disease <b>2006</b> , 359-370		
12	Neuronal Survival and Death in Alzheimer Disease. <i>Advances in Behavioral Biology</i> , <b>2002</b> , 49-57		
11	Amyloid- $\beta$ and $\tau$ in Alzheimer's Disease. <i>Oxidative Stress and Disease</i> , <b>2005</b> , 121-129		
10	Oxidative Adaptation in Aging and Alzheimer's Disease. <i>Oxidative Stress and Disease</i> , <b>2005</b> , 117-125		
9	Antioxidant Therapies in the Prevention and Treatment of Alzheimer Disease. <i>Oxidative Stress and Disease</i> , <b>2005</b> , 131-145		
8	The Potential Application of Antioxidant Agents in Alzheimer Disease Therapeutics <b>2007</b> , 194-211		
7	Oxidative Damage is Correlated with Mitochondrial Autophagy. <i>FASEB Journal</i> , <b>2015</b> , 29, 613.1	0.9	

- 6 Oxidative Stress Associated Signal Transduction Cascades in Alzheimer Disease **2009**, 121-136
- 5 Alzheimer Disease: Oxidative Stress and Compensatory Responses **2009**, 109-120
- 4 Mitochondria Dynamics Abnormalities in Alzheimer Disease. *FASEB Journal*, **2009**, 23, 356.1 0.9
- 3 Oxidative Stress and Alzheimer Disease: Mechanisms and Therapeutic Opportunities. *Advances in Neurobiology*, **2011**, 607-631 2.1
- 2 R-\_-Lipoic Acid as a Potent Agent of Mitochondrial Protection in Alzheimer Disease. *Oxidative Stress and Disease*, **2012**, 455-467
- 1 Protective effects of phosphodiesterase 2 inhibitor against A $\beta$ -induced neuronal toxicity.. *Neuropharmacology*, **2022**, 109128 5.5