Mark A Lovell

List of Publications by Year
in descending order

55 papers	5,824 citations	94433 37 h-index	155660 55 g-index
57 all docs	57 docs citations	57 times ranked	6215 citing authors

#	Article	IF	Citations
1	Oxidative DNA damage in mild cognitive impairment and late-stage Alzheimer's disease. Nucleic Acids Research, 2007, 35, 7497-7504.	14.5	433
2	Increased Nuclear DNA Oxidation in the Brain in Alzheimer's Disease. Journal of Neurochemistry, 1998, 71, 2034-2040.	3.9	421
3	Acrolein is increased in Alzheimerâ€™s disease brain and is toxic to primary hippocampal cultures. Neurobiology of Aging, 2001, 22, 187-194.	3.1	410
4	Increased levels of 4-hydroxynonenal and acrolein, neurotoxic markers of lipid peroxidation, in the brain in Mild Cognitive Impairment and early Alzheimer's disease. Neurobiology of Aging, 2006, 27, 1094-1099.	3.1	342
5	Lipid peroxidation is an early event in the brain in amnestic mild cognitive impairment. Annals of Neurology, 2005, 58, 730-735.	5.3	264
6	Increased DNA Oxidation and Decreased Levels of Repair Products in Alzheimer's Disease Ventricular CSF. Journal of Neurochemistry, 1999, 72, 771-776.	3.9	254
7	Increased oxidative damage in nuclear and mitochondrial DNA in mild cognitive impairment. Journal of Neurochemistry, 2006, 96, 825-832.	3.9	243
8	Decrease in Peptide Methionine Sulfoxide Reductase in Alzheimer's Disease Brain. Journal of Neurochemistry, 2002, 73, 1660-1666.	3.9	232
9	Association of Antioxidant Supplement Use and Dementia in the Prevention of Alzheimerâ€™s Disease by Vitamin E and Selenium Trial (PREADViSE). JAMA Neurology, 2017, 74, 567.	9.0	215
10	Oxidative damage in mild cognitive impairment and early Alzheimer's disease. Journal of Neuroscience Research, 2007, 85, 3036-3040.	2.9	212
11	Induction of hyperphosphorylated tau in primary rat cortical neuron cultures mediated by oxidative stress and glycogen synthase kinase-3. Journal of Alzheimer's Disease, 2005, 6, 659-671.	2.6	170
12	Decreased base excision repair and increased helicase activity in Alzheimer's disease brain. Brain Research, 2000, 855, 116-123.	2.2	162
13	University of Kentucky Sanders-Brown Healthy Brain Aging Volunteers: Donor Characteristics, Procedures and Neuropathology. Current Alzheimer Research, 2012, 9, 724-733.	1.4	146
14	DNA Oxidation in Alzheimer's Disease. Antioxidants and Redox Signaling, 2006, 8, 2039-2045.	5.4	133
15	Biomarkers of lipid peroxidation in Alzheimer disease (AD): an update. Archives of Toxicology, 2015, 89, 1035-1044.	4.2	132
16	Laser microprobe analysis of brain aluminum in Alzheimer' disease. Annals of Neurology, 1993, 33, 36-42.	5.3	122
17	Oxidatively modified nucleic acids in preclinical Alzheimer's disease (PCAD) brain. Mechanisms of Ageing and Development, 2011, 132, 443-448.	4.6	110
18	Acrolein, a product of lipid peroxidation, inhibits glucose and glutamate uptake in primary neuronal cultures. Free Radical Biology and Medicine, 2000, 29, 714-720.	2.9	109

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19	Identification and characterization of OGG1 mutations in patients with Alzheimer's disease. Nucleic Acids Research, 2007, 35, 2759-2766.	14.5	105
20	Altered 8-oxoguanine glycosylase in mild cognitive impairment and late-stage Alzheimer's disease brain. Free Radical Biology and Medicine, 2008, 45, 813-819.	2.9	99
21	Free radical-mediated damage to brain in Alzheimer's disease and its transgenic mouse models. Free Radical Biology and Medicine, 2008, 45, 219-230.	2.9	95
22	Oxidatively modified RNA in mild cognitive impairment. Neurobiology of Disease, 2008, 29, 169-175.	4.4	93
23	Nucleic acid oxidation: an early feature of Alzheimer's disease. Journal of Neurochemistry, 2014, 128, 294-304.	3.9	88
24	Alterations of Zinc Transporter Proteins ZnTâ€1, ZnTâ€4 and ZnTâ€6 in Preclinical Alzheimer's Disease Brain. Brain Pathology, 2010, 20, 343-350.	4.1	84
25	Alterations in zinc transporter protein-1 (ZnT-1) in the brain of subjects with mild cognitive impairment, early, and late-stage alzheimerâ€™s disease. Neurotoxicity Research, 2005, 7, 265-271.	2.7	82
26	Survival of hippocampal and cortical neurons in a mixture of MEM+ and B27-supplemented neurobasal medium. Free Radical Biology and Medicine, 2000, 28, 665-672.	2.9	81
27	A Potential Role for Alterations of Zinc and Zinc Transport Proteins in the Progression of Alzheimer's Disease. Journal of Alzheimer's Disease, 2009, 16, 471-483.	2.6	80
28	Elevated 4-hydroxyhexenal in Alzheimer's disease (AD) progression. Neurobiology of Aging, 2012, 33, 1034-1044.	3.1	76
29	Development of a Method for Quantification of Acroleinâ^'Deoxyguanosine Adducts in DNA Using Isotope Dilution-Capillary LC/MS/MS and Its Application to Human Brain Tissue. Analytical Chemistry, 2005, 77, 5982-5989.	6.5	75
30	4-Hydroxynonenal oxidatively modifies histones: implications for Alzheimer's disease. Neuroscience Letters, 2004, 356, 155-158.	2.1	68
31	Organoselenium (Sel-Plex diet) decreases amyloid burden and RNA and DNA oxidative damage in APP/PS1 mice. Free Radical Biology and Medicine, 2009, 46, 1527-1533.	2.9	64
32	Detection and Quantification of Endogenous Cyclic DNA Adducts Derived from trans-4-Hydroxy-2-nonenal in Human Brain Tissue by Isotope Dilution Capillary Liquid Chromatography Nanoelectrospray Tandem Mass Spectrometry. Chemical Research in Toxicology, 2006, 19, 710-718.	3.3	55
33	Quantitative Proteomic Analysis of Mitochondria from Primary Neuron Cultures Treated with Amyloid Beta Peptide. Neurochemical Research, 2005, 30, 113-122.	3.3	54
34	Analysis of Derivatized Biogenic Aldehydes by LC Tandem Mass Spectrometry. Analytical Chemistry, 2005, 77, 3383-3389.	6.5	48
35	Serum Zinc in the Progression of Alzheimer's Disease. Journal of Alzheimer's Disease, 2008, 15, 443-450.	2.6	47
36	Elevated Zinc Transporter-6 in Mild Cognitive Impairment, Alzheimer Disease, and Pick Disease. Journal of Neuropathology and Experimental Neurology, 2006, 65, 489-498.	1.7	43

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37	Multiregional analysis of global 5â€methylcytosine and 5â€hydroxymethylcytosine throughout the progression of Alzheimer's disease. Journal of Neurochemistry, 2017, 140, 383-394.	3.9	42
38	Wilmsâ€™ tumor suppressor (WT1) is a mediator of neuronal degeneration associated with the pathogenesis of Alzheimerâ€™s disease. Brain Research, 2003, 983, 84-96.	2.2	36
39	Quantitative Changes in the Mitochondrial Proteome from Subjects with Mild Cognitive Impairment, Early Stage, and Late Stage Alzheimer's Disease. Journal of Alzheimer's Disease, 2010, 19, 325-339.	2.6	36
40	Quantitative Proteomic Analysis of Mitochondria in Aging PS-1 Transgenic Mice. Cellular and Molecular Neurobiology, 2009, 29, 649-664.	3.3	33
41	Amyloid Beta Peptide, 4-Hydroxynonenal and Apoptosis. Current Alzheimer Research, 2006, 3, 359-364.	1.4	32
42	Calcium Channel Blockers, Progression to Dementia, and Effects on Amyloid Beta Peptide Production. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-9.	4.0	32
43	A potential role for zinc alterations in the pathogenesis of Alzheimer's disease. BioFactors, 2012, 38, 98-106.	5.4	29
44	Single-Base Resolution Mapping of 5-Hydroxymethylcytosine Modifications in Hippocampus of Alzheimerâ€™s Disease Subjects. Journal of Molecular Neuroscience, 2017, 63, 185-197.	2.3	28
45	RNA Oxidation Adducts 8-OHG and 8-OHA Change with AÎ²42 Levels in Late-Stage Alzheimer's Disease. PLoS ONE, 2011, 6, e24930.	2.5	23
46	METHODOLOGICAL DEVELOPMENTS FOR APPLICATION TO THE STUDY OF PHYSIOLOGICAL BORON AND TO BORON NEUTRON CAPTURE THERAPY. Instrumentation Science and Technology, 2001, 19, 623-657.	0.8	21
47	Ectopic Expression of Musashi-1 in Alzheimer Disease and Pick Disease. Journal of Neuropathology and Experimental Neurology, 2005, 64, 675-680.	1.7	19
48	Procedure for the isolation of mitochondria, cytosolic and nuclear material from a single piece of neurological tissue for high-throughput mass spectral analysis. Journal of Neuroscience Methods, 2011, 197, 279-282.	2.5	17
49	A novel method for the rapid detection of post-translationally modified visinin-like protein 1 in rat models of brain injury. Brain Injury, 2018, 32, 363-380.	1.2	9
50	4-Hydroxyhexenal (HHE) Impairs Glutamate Transport in Astrocyte Cultures. Journal of Alzheimer's Disease, 2012, 32, 139-146.	2.6	8
51	A Novel Small Molecule Modulator of Amyloid Pathology. Journal of Alzheimer's Disease, 2016, 53, 273-287.	2.6	6
52	Similarities and Differences Between Mild Cognitive Impairment and Alzheimer's Disease. Journal of Alzheimer's Disease, 2010, 19, 219-219.	2.6	1
53	Pharmacokinetic and metabolic analysis of an Alzheimerâ€™s disease therapeutic in rat serum via microfluidic CZEâ€MS. Biomedical Chromatography, 2021, , e5243.	1.7	1
54	Zinc and Zinc Transport and Sequestration Proteins in the Brain in the Progression of Alzheimerâ€™s Disease. Advances in Neurobiology, 2011, , 669-693.	1.8	1

#	Article	IF	Citations
55	Memories of Dr. William R. Markesbery. NeuroMolecular Medicine, 2011, 13, 15-16.	3.4	0