

# Mark A Lovell

## List of Publications by Year in descending order

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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	Pharmacokinetic and metabolic analysis of an Alzheimer's disease therapeutic in rat serum via microfluidic CZE-MS. <i>Biomedical Chromatography</i> , 2021, , e5243.	1.7	1
2	A novel method for the rapid detection of post-translationally modified visinin-like protein 1 in rat models of brain injury. <i>Brain Injury</i> , 2018, 32, 363-380.	1.2	9
3	Association of Antioxidant Supplement Use and Dementia in the Prevention of Alzheimer's Disease by Vitamin E and Selenium Trial (PREADVISE). <i>JAMA Neurology</i> , 2017, 74, 567.	9.0	215
4	Multiregional analysis of global 5-methylcytosine and 5-hydroxymethylcytosine throughout the progression of Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2017, 140, 383-394.	3.9	42
5	Single-Base Resolution Mapping of 5-Hydroxymethylcytosine Modifications in Hippocampus of Alzheimer's Disease Subjects. <i>Journal of Molecular Neuroscience</i> , 2017, 63, 185-197.	2.3	28
6	A Novel Small Molecule Modulator of Amyloid Pathology. <i>Journal of Alzheimer's Disease</i> , 2016, 53, 273-287.	2.6	6
7	Calcium Channel Blockers, Progression to Dementia, and Effects on Amyloid Beta Peptide Production. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-9.	4.0	32
8	Biomarkers of lipid peroxidation in Alzheimer disease (AD): an update. <i>Archives of Toxicology</i> , 2015, 89, 1035-1044.	4.2	132
9	Nucleic acid oxidation: an early feature of Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2014, 128, 294-304.	3.9	88
10	University of Kentucky Sanders-Brown Healthy Brain Aging Volunteers: Donor Characteristics, Procedures and Neuropathology. <i>Current Alzheimer Research</i> , 2012, 9, 724-733.	1.4	146
11	Elevated 4-hydroxyhexenal in Alzheimer's disease (AD) progression. <i>Neurobiology of Aging</i> , 2012, 33, 1034-1044.	3.1	76
12	4-Hydroxyhexenal (HHE) Impairs Glutamate Transport in Astrocyte Cultures. <i>Journal of Alzheimer's Disease</i> , 2012, 32, 139-146.	2.6	8
13	A potential role for zinc alterations in the pathogenesis of Alzheimer's disease. <i>BioFactors</i> , 2012, 38, 98-106.	5.4	29
14	Oxidatively modified nucleic acids in preclinical Alzheimer's disease (PCAD) brain. <i>Mechanisms of Ageing and Development</i> , 2011, 132, 443-448.	4.6	110
15	Memories of Dr. William R. Markesbery. <i>NeuroMolecular Medicine</i> , 2011, 13, 15-16.	3.4	0
16	Procedure for the isolation of mitochondria, cytosolic and nuclear material from a single piece of neurological tissue for high-throughput mass spectral analysis. <i>Journal of Neuroscience Methods</i> , 2011, 197, 279-282.	2.5	17
17	Zinc and Zinc Transport and Sequestration Proteins in the Brain in the Progression of Alzheimer's Disease. <i>Advances in Neurobiology</i> , 2011, , 669-693.	1.8	1
18	RNA Oxidation Adducts 8-OHG and 8-OHA Change with A $\beta$ 242 Levels in Late-Stage Alzheimer's Disease. <i>PLoS ONE</i> , 2011, 6, e24930.	2.5	23

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19	Similarities and Differences Between Mild Cognitive Impairment and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2010, 19, 219-219.	2.6	1
20	Quantitative Changes in the Mitochondrial Proteome from Subjects with Mild Cognitive Impairment, Early Stage, and Late Stage Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2010, 19, 325-339.	2.6	36
21	Alterations of Zinc Transporter Proteins ZnTâ€1, ZnTâ€4 and ZnTâ€6 in Preclinical Alzheimer's Disease Brain. <i>Brain Pathology</i> , 2010, 20, 343-350.	4.1	84
22	Organoselenium (Sel-Plex diet) decreases amyloid burden and RNA and DNA oxidative damage in APP/PS1 mice. <i>Free Radical Biology and Medicine</i> , 2009, 46, 1527-1533.	2.9	64
23	Quantitative Proteomic Analysis of Mitochondria in Aging PS-1 Transgenic Mice. <i>Cellular and Molecular Neurobiology</i> , 2009, 29, 649-664.	3.3	33
24	A Potential Role for Alterations of Zinc and Zinc Transport Proteins in the Progression of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2009, 16, 471-483.	2.6	80
25	Free radical-mediated damage to brain in Alzheimer's disease and its transgenic mouse models. <i>Free Radical Biology and Medicine</i> , 2008, 45, 219-230.	2.9	95
26	Altered 8-oxoguanine glycosylase in mild cognitive impairment and late-stage Alzheimer's disease brain. <i>Free Radical Biology and Medicine</i> , 2008, 45, 813-819.	2.9	99
27	Oxidatively modified RNA in mild cognitive impairment. <i>Neurobiology of Disease</i> , 2008, 29, 169-175.	4.4	93
28	Serum Zinc in the Progression of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2008, 15, 443-450.	2.6	47
29	Identification and characterization of OGG1 mutations in patients with Alzheimer's disease. <i>Nucleic Acids Research</i> , 2007, 35, 2759-2766.	14.5	105
30	Oxidative DNA damage in mild cognitive impairment and late-stage Alzheimer's disease. <i>Nucleic Acids Research</i> , 2007, 35, 7497-7504.	14.5	433
31	Oxidative damage in mild cognitive impairment and early Alzheimer's disease. <i>Journal of Neuroscience Research</i> , 2007, 85, 3036-3040.	2.9	212
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. <i>Chemical Research in Toxicology</i> , 2006, 19, 710-718.	3.3	55
33	Increased levels of 4-hydroxynonenal and acrolein, neurotoxic markers of lipid peroxidation, in the brain in Mild Cognitive Impairment and early Alzheimer's disease. <i>Neurobiology of Aging</i> , 2006, 27, 1094-1099.	3.1	342
34	Increased oxidative damage in nuclear and mitochondrial DNA in mild cognitive impairment. <i>Journal of Neurochemistry</i> , 2006, 96, 825-832.	3.9	243
35	Elevated Zinc Transporter-6 in Mild Cognitive Impairment, Alzheimer Disease, and Pick Disease. <i>Journal of Neuropathology and Experimental Neurology</i> , 2006, 65, 489-498.	1.7	43
36	Amyloid Beta Peptide, 4-Hydroxynonenal and Apoptosis. <i>Current Alzheimer Research</i> , 2006, 3, 359-364.	1.4	32

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37	DNA Oxidation in Alzheimer's Disease. <i>Antioxidants and Redox Signaling</i> , 2006, 8, 2039-2045.	5.4	133
38	Induction of hyperphosphorylated tau in primary rat cortical neuron cultures mediated by oxidative stress and glycogen synthase kinase-3. <i>Journal of Alzheimer's Disease</i> , 2005, 6, 659-671.	2.6	170
39	Ectopic Expression of Musashi-1 in Alzheimer Disease and Pick Disease. <i>Journal of Neuropathology and Experimental Neurology</i> , 2005, 64, 675-680.	1.7	19
40	Lipid peroxidation is an early event in the brain in amnesic mild cognitive impairment. <i>Annals of Neurology</i> , 2005, 58, 730-735.	5.3	264
41	Alterations in zinc transporter protein-1 (ZnT-1) in the brain of subjects with mild cognitive impairment, early, and late-stage alzheimer's disease. <i>Neurotoxicity Research</i> , 2005, 7, 265-271.	2.7	82
42	Quantitative Proteomic Analysis of Mitochondria from Primary Neuron Cultures Treated with Amyloid Beta Peptide. <i>Neurochemical Research</i> , 2005, 30, 113-122.	3.3	54
43	Development of a Method for Quantification of Acrolein-Deoxyguanosine Adducts in DNA Using Isotope Dilution-Capillary LC/MS/MS and Its Application to Human Brain Tissue. <i>Analytical Chemistry</i> , 2005, 77, 5982-5989.	6.5	75
44	Analysis of Derivatized Biogenic Aldehydes by LC Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2005, 77, 3383-3389.	6.5	48
45	4-Hydroxynonenal oxidatively modifies histones: implications for Alzheimer's disease. <i>Neuroscience Letters</i> , 2004, 356, 155-158.	2.1	68
46	Wilms' tumor suppressor (WT1) is a mediator of neuronal degeneration associated with the pathogenesis of Alzheimer's disease. <i>Brain Research</i> , 2003, 983, 84-96.	2.2	36
47	Decrease in Peptide Methionine Sulfoxide Reductase in Alzheimer's Disease Brain. <i>Journal of Neurochemistry</i> , 2002, 73, 1660-1666.	3.9	232
48	Acrolein is increased in Alzheimer's disease brain and is toxic to primary hippocampal cultures. <i>Neurobiology of Aging</i> , 2001, 22, 187-194.	3.1	410
49	METHODOLOGICAL DEVELOPMENTS FOR APPLICATION TO THE STUDY OF PHYSIOLOGICAL BORON AND TO BORON NEUTRON CAPTURE THERAPY. <i>Instrumentation Science and Technology</i> , 2001, 19, 623-657.	0.8	21
50	Acrolein, a product of lipid peroxidation, inhibits glucose and glutamate uptake in primary neuronal cultures. <i>Free Radical Biology and Medicine</i> , 2000, 29, 714-720.	2.9	109
51	Survival of hippocampal and cortical neurons in a mixture of MEM+ and B27-supplemented neurobasal medium. <i>Free Radical Biology and Medicine</i> , 2000, 28, 665-672.	2.9	81
52	Decreased base excision repair and increased helicase activity in Alzheimer's disease brain. <i>Brain Research</i> , 2000, 855, 116-123.	2.2	162
53	Increased DNA Oxidation and Decreased Levels of Repair Products in Alzheimer's Disease Ventricular CSF. <i>Journal of Neurochemistry</i> , 1999, 72, 771-776.	3.9	254
54	Increased Nuclear DNA Oxidation in the Brain in Alzheimer's Disease. <i>Journal of Neurochemistry</i> , 1998, 71, 2034-2040.	3.9	421

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55	Laser microprobe analysis of brain aluminum in Alzheimer' disease. Annals of Neurology, 1993, 33, 36-42.	5.3	122