

Marzia Perluigi

List of Publications by Year in descending order

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Version: 2024-02-01

92
papers

6,581
citations

61857

43
h-index

64668

79
g-index

96
all docs

96
docs citations

96
times ranked

7573
citing authors

#	ARTICLE	IF	CITATIONS
1	Lipid peroxidation triggers neurodegeneration: A redox proteomics view into the Alzheimer disease brain. <i>Free Radical Biology and Medicine</i> , 2013, 62, 157-169.	1.3	365
2	Oxidative stress in Alzheimer's disease brain: New insights from redox proteomics. <i>European Journal of Pharmacology</i> , 2006, 545, 39-50.	1.7	316
3	Alteration of mTOR signaling occurs early in the progression of Alzheimer disease (AD): analysis of brain from subjects with preclinical AD, amnesic mild cognitive impairment and late stage AD. <i>Journal of Neurochemistry</i> , 2015, 133, 739-749.	2.1	276
4	mTOR signaling in aging and neurodegeneration: At the crossroad between metabolism dysfunction and impairment of autophagy. <i>Neurobiology of Disease</i> , 2015, 84, 39-49.	2.1	261
5	Redox proteomic identification of 4-Hydroxy-2-nonenal-modified brain proteins in amnesic mild cognitive impairment: Insight into the role of lipid peroxidation in the progression and pathogenesis of Alzheimer's disease. <i>Neurobiology of Disease</i> , 2008, 30, 107-120.	2.1	236
6	Elevated protein-bound levels of the lipid peroxidation product, 4-hydroxy-2-nonenal, in brain from persons with mild cognitive impairment. <i>Neuroscience Letters</i> , 2006, 397, 170-173.	1.0	227
7	Protein Oxidation and Lipid Peroxidation in Brain of Subjects with Alzheimer's Disease: Insights into Mechanism of Neurodegeneration from Redox Proteomics. <i>Antioxidants and Redox Signaling</i> , 2006, 8, 2021-2037.	2.5	224
8	Elevated levels of 3-nitrotyrosine in brain from subjects with amnesic mild cognitive impairment: Implications for the role of nitration in the progression of Alzheimer's disease. <i>Brain Research</i> , 2007, 1148, 243-248.	1.1	211
9	Oxidatively modified proteins in Alzheimer's disease (AD), mild cognitive impairment and animal models of AD: role of Aβ in pathogenesis. <i>Acta Neuropathologica</i> , 2009, 118, 131-150.	3.9	194
10	4-Hydroxy-2-Nonenal, a Reactive Product of Lipid Peroxidation, and Neurodegenerative Diseases: A Toxic Combination Illuminated by Redox Proteomics Studies. <i>Antioxidants and Redox Signaling</i> , 2012, 17, 1590-1609.	2.5	184
11	Redox proteomics identification of 4-hydroxynonenal-modified brain proteins in Alzheimer's disease: Role of lipid peroxidation in Alzheimer's disease pathogenesis. <i>Proteomics - Clinical Applications</i> , 2009, 3, 682-693.	0.8	172
12	Proteomic Analysis of Protein Expression and Oxidative Modification in R6/2 Transgenic Mice. <i>Molecular and Cellular Proteomics</i> , 2005, 4, 1849-1861.	2.5	156
13	Redox Proteomics in Selected Neurodegenerative Disorders: From Its Infancy to Future Applications. <i>Antioxidants and Redox Signaling</i> , 2012, 17, 1610-1655.	2.5	152
14	Proteomic analysis of 4-hydroxy-2-nonenal-modified proteins in G93A-SOD1 transgenic mice-A model of familial amyotrophic lateral sclerosis. <i>Free Radical Biology and Medicine</i> , 2005, 38, 960-968.	1.3	141
15	Oxidative Stress and Down Syndrome: A Route toward Alzheimer-Like Dementia. <i>Current Gerontology and Geriatrics Research</i> , 2012, 2012, 1-10.	1.6	139
16	Neuropathological role of PI3K/Akt/mTOR axis in Down syndrome brain. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 1144-1153.	1.8	127
17	Impairment of proteostasis network in Down syndrome prior to the development of Alzheimer's disease neuropathology: Redox proteomics analysis of human brain. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 1249-1259.	1.8	109
18	Redox Proteomic Analysis of Carbonylated Brain Proteins in Mild Cognitive Impairment and Early Alzheimer's Disease. <i>Antioxidants and Redox Signaling</i> , 2010, 12, 327-336.	2.5	108

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19	Heme oxygenase-1 posttranslational modifications in the brain of subjects with Alzheimer disease and mild cognitive impairment. <i>Free Radical Biology and Medicine</i> , 2012, 52, 2292-2301.	1.3	108
20	Impairment of biliverdin reductase-A promotes brain insulin resistance in Alzheimer disease: A new paradigm. <i>Free Radical Biology and Medicine</i> , 2016, 91, 127-142.	1.3	98
21	The Triangle of Death in Alzheimer's Disease Brain: The Aberrant Cross-Talk Among Energy Metabolism, Mammalian Target of Rapamycin Signaling, and Protein Homeostasis Revealed by Redox Proteomics. <i>Antioxidants and Redox Signaling</i> , 2017, 26, 364-387.	2.5	97
22	Protein levels of heat shock proteins 27, 32, 60, 70, 90 and thioredoxin-1 in amnesic mild cognitive impairment: An investigation on the role of cellular stress response in the progression of Alzheimer disease. <i>Brain Research</i> , 2010, 1333, 72-81.	1.1	94
23	Redox proteomics analysis to decipher the neurobiology of Alzheimer-like neurodegeneration: overlaps in Down's syndrome and Alzheimer's disease brain. <i>Biochemical Journal</i> , 2014, 463, 177-189.	1.7	93
24	It Is All about (U)biqutin: Role of Altered Ubiquitin-Proteasome System and UCHL1 in Alzheimer Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-12.	1.9	88
25	Redox proteomics analysis of HNE-modified proteins in Down syndrome brain: clues for understanding the development of Alzheimer disease. <i>Free Radical Biology and Medicine</i> , 2014, 71, 270-280.	1.3	87
26	Oxidative stress occurs early in Down syndrome pregnancy: A redox proteomics analysis of amniotic fluid. <i>Proteomics - Clinical Applications</i> , 2011, 5, 167-178.	0.8	86
27	Oxidative and Nitrosative Modifications of Biliverdin Reductase-A in the Brain of Subjects with Alzheimer's Disease and Amnesic Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2011, 25, 623-633.	1.2	85
28	Biliverdin reductase-A protein levels and activity in the brains of subjects with Alzheimer disease and mild cognitive impairment. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2011, 1812, 480-487.	1.8	77
29	Intranasal rapamycin ameliorates Alzheimer-like cognitive decline in a mouse model of Down syndrome. <i>Translational Neurodegeneration</i> , 2018, 7, 28.	3.6	76
30	Oxidative signature of cerebrospinal fluid from mild cognitive impairment and Alzheimer disease patients. <i>Free Radical Biology and Medicine</i> , 2016, 91, 1-9.	1.3	74
31	Involvement of Oxidative Stress in Occurrence of Relapses in Multiple Sclerosis: The Spectrum of Oxidatively Modified Serum Proteins Detected by Proteomics and Redox Proteomics Analysis. <i>PLoS ONE</i> , 2013, 8, e65184.	1.1	73
32	Inhibition of lipid peroxidation and protein oxidation by endogenous and exogenous antioxidants in rat brain microsomes in vitro. <i>Neuroscience Letters</i> , 2012, 518, 101-105.	1.0	72
33	mTOR in Down syndrome: Role in A β and tau neuropathology and transition to Alzheimer disease-like dementia. <i>Free Radical Biology and Medicine</i> , 2018, 114, 94-101.	1.3	72
34	Biliverdin Reductase-A Mediates the Beneficial Effects of Intranasal Insulin in Alzheimer Disease. <i>Molecular Neurobiology</i> , 2019, 56, 2922-2943.	1.9	70
35	Tyrosinase protects human melanocytes from ROS-generating compounds. <i>Biochemical and Biophysical Research Communications</i> , 2003, 305, 250-256.	1.0	66
36	Oxidative Stress in HPV-Driven Viral Carcinogenesis: Redox Proteomics Analysis of HPV-16 Dysplastic and Neoplastic Tissues. <i>PLoS ONE</i> , 2012, 7, e34366.	1.1	63

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37	Circulating biomarkers of protein oxidation for Alzheimer disease: Expectations within limits. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 1785-1795.	1.1	56
38	Redox proteomics and the dynamic molecular landscape of the aging brain. <i>Ageing Research Reviews</i> , 2014, 13, 75-89.	5.0	56
39	Loss of biliverdin reductase-A favors Tau hyper-phosphorylation in Alzheimer's disease. <i>Neurobiology of Disease</i> , 2019, 125, 176-189.	2.1	55
40	Brain insulin resistance triggers early onset Alzheimer disease in Down syndrome. <i>Neurobiology of Disease</i> , 2020, 137, 104772.	2.1	54
41	Bach1 Overexpression in Down Syndrome Correlates with the Alteration of the HO-1/BVR-A System: Insights for Transition to Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2015, 44, 1107-1120.	1.2	53
42	The interplay among oxidative stress, brain insulin resistance and AMPK dysfunction contribute to neurodegeneration in type 2 diabetes and Alzheimer disease. <i>Free Radical Biology and Medicine</i> , 2021, 176, 16-33.	1.3	53
43	Unraveling the complexity of neurodegeneration in brains of subjects with Down syndrome: Insights from proteomics. <i>Proteomics - Clinical Applications</i> , 2014, 8, 73-85.	0.8	52
44	Biliverdin reductase-A impairment links brain insulin resistance with increased A β ² production in an animal model of aging: Implications for Alzheimer disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 3181-3194.	1.8	49
45	Down Syndrome Is a Metabolic Disease: Altered Insulin Signaling Mediates Peripheral and Brain Dysfunctions. <i>Frontiers in Neuroscience</i> , 2020, 14, 670.	1.4	48
46	Age-related changes in the proteostasis network in the brain of the naked mole-rat: Implications promoting healthy longevity. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 2213-2224.	1.8	47
47	Restoration of aberrant mTOR signaling by intranasal rapamycin reduces oxidative damage: Focus on HNE-modified proteins in a mouse model of down syndrome. <i>Redox Biology</i> , 2019, 23, 101162.	3.9	46
48	Targeting Mitochondria in Alzheimer Disease: Rationale and Perspectives. <i>CNS Drugs</i> , 2019, 33, 957-969.	2.7	45
49	HO-1/BVR-A System Analysis in Plasma from Probable Alzheimer's Disease and Mild Cognitive Impairment Subjects: A Potential Biochemical Marker for the Prediction of the Disease. <i>Journal of Alzheimer's Disease</i> , 2012, 32, 277-289.	1.2	43
50	Redox Proteomics Analyses of the Influence of Co-Expression of Wild-Type or Mutated LRRK2 and Tau on <i>C. elegans</i> Protein Expression and Oxidative Modification: Relevance to Parkinson Disease. <i>Antioxidants and Redox Signaling</i> , 2012, 17, 1490-1506.	2.5	43
51	In vivo protection of synaptosomes from oxidative stress mediated by Fe ²⁺ /H ₂ O ₂ or 2,2-azobis-(2-amidinopropane) dihydrochloride by the glutathione mimetic tricyclodecan-9-yl-xanthogenate. <i>Free Radical Biology and Medicine</i> , 2005, 38, 1023-1031.	1.3	42
52	Cathepsin D as a therapeutic target in Alzheimer's disease. <i>Expert Opinion on Therapeutic Targets</i> , 2016, 20, 1393-1395.	1.5	41
53	HNE-modified proteins in Down syndrome: Involvement in development of Alzheimer disease neuropathology. <i>Free Radical Biology and Medicine</i> , 2017, 111, 262-269.	1.3	41
54	Polyubiquitinylation Profile in Down Syndrome Brain Before and After the Development of Alzheimer Neuropathology. <i>Antioxidants and Redox Signaling</i> , 2017, 26, 280-298.	2.5	38

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55	Disturbance of redox homeostasis in Down Syndrome: Role of iron dysmetabolism. <i>Free Radical Biology and Medicine</i> , 2018, 114, 84-93.	1.3	38
56	Oxidative Stress and Proteostasis Network: Culprit and Casualty of Alzheimer's-Like Neurodegeneration. <i>Advances in Geriatrics</i> , 2014, 2014, 1-14.	1.6	36
57	Activation of p53 in Down Syndrome and in the Ts65Dn Mouse Brain is Associated with a Pro-Apoptotic Phenotype. <i>Journal of Alzheimer's Disease</i> , 2016, 52, 359-371.	1.2	35
58	Increased Mammalian Target of Rapamycin Signaling Contributes to the Accumulation of Protein Oxidative Damage in a Mouse Model of Down's Syndrome. <i>Neurodegenerative Diseases</i> , 2016, 16, 62-68.	0.8	35
59	The wheat germ agglutinin-fractionated proteome of subjects with Alzheimer's disease and mild cognitive impairment hippocampus and inferior parietal lobule: Implications for disease pathogenesis and progression. <i>Journal of Neuroscience Research</i> , 2010, 88, 3566-3577.	1.3	34
60	Lack of p53 Decreases Basal Oxidative Stress Levels in the Brain Through Upregulation of Thioredoxin-1, Biliverdin Reductase-A, Manganese Superoxide Dismutase, and Nuclear Factor Kappa-B. <i>Antioxidants and Redox Signaling</i> , 2012, 16, 1407-1420.	2.5	30
61	Poly-ubiquitin profile in Alzheimer disease brain. <i>Neurobiology of Disease</i> , 2018, 118, 129-141.	2.1	29
62	Proteomic identification of altered protein O-GlcNAcylation in a triple transgenic mouse model of Alzheimer's disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 3309-3321.	1.8	29
63	Reduced biliverdin reductase-A levels are associated with early alterations of insulin signaling in obesity. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 1490-1501.	1.8	29
64	The identification of protein biomarkers for oxidative stress in Down syndrome. <i>Expert Review of Proteomics</i> , 2011, 8, 427-429.	1.3	26
65	Insulin resistance, oxidative stress and mitochondrial defects in Ts65dn mice brain: A harmful synergistic path in down syndrome. <i>Free Radical Biology and Medicine</i> , 2021, 165, 152-170.	1.3	26
66	Proteomics analysis of protein expression and specific protein oxidation in human papillomavirus transformed keratinocytes upon UVB irradiation. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 1809-1822.	1.6	23
67	An investigation of the molecular mechanisms engaged before and after the development of Alzheimer disease neuropathology in Down syndrome: a proteomics approach. <i>Free Radical Biology and Medicine</i> , 2014, 76, 89-95.	1.3	23
68	The BACH1/Nrf2 Axis in Brain in Down Syndrome and Transition to Alzheimer Disease-Like Neuropathology and Dementia. <i>Antioxidants</i> , 2020, 9, 779.	2.2	21
69	Chronic PERK induction promotes Alzheimer-like neuropathology in Down syndrome: Insights for therapeutic intervention. <i>Progress in Neurobiology</i> , 2021, 196, 101892.	2.8	21
70	Early and Selective Activation and Subsequent Alterations to the Unfolded Protein Response in Down Syndrome Mouse Models. <i>Journal of Alzheimer's Disease</i> , 2018, 62, 347-359.	1.2	19
71	Basal brain oxidative and nitrative stress levels are finely regulated by the interplay between superoxide dismutase 2 and p53. <i>Journal of Neuroscience Research</i> , 2015, 93, 1728-1739.	1.3	18
72	BVR-A Deficiency Leads to Autophagy Impairment through the Dysregulation of AMPK/mTOR Axis in the Brain—Implications for Neurodegeneration. <i>Antioxidants</i> , 2020, 9, 671.	2.2	17

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73	The Anti-Diabetic Drug Metformin Rescues Aberrant Mitochondrial Activity and Restrains Oxidative Stress in a Female Mouse Model of Rett Syndrome. <i>Journal of Clinical Medicine</i> , 2020, 9, 1669.	1.0	17
74	Multiple Herpes Simplex Virus-1 (HSV-1) Reactivations Induce Protein Oxidative Damage in Mouse Brain: Novel Mechanisms for Alzheimer's Disease Progression. <i>Microorganisms</i> , 2020, 8, 972.	1.6	17
75	High-Fat Diet Leads to Reduced Protein O-GlcNAcylation and Mitochondrial Defects Promoting the Development of Alzheimer's Disease Signatures. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3746.	1.8	17
76	Aberrant crosstalk between insulin signaling and mTOR in young Down syndrome individuals revealed by neuronal-derived extracellular vesicles. <i>Alzheimer's and Dementia</i> , 2022, 18, 1498-1510.	0.4	16
77	Proteomics strategies to analyze HPV-transformed cells: relevance to cervical cancer. <i>Expert Review of Proteomics</i> , 2013, 10, 461-472.	1.3	12
78	The Dysregulation of OGT/OGA Cycle Mediates Tau and APP Neuropathology in Down Syndrome. <i>Neurotherapeutics</i> , 2021, 18, 340-363.	2.1	12
79	Biliverdin Reductase-A correlates with inducible nitric oxide synthase in atorvastatin treated aged canine brain. <i>Neural Regeneration Research</i> , 2013, 8, 1925-37.	1.6	11
80	CAPE and its synthetic derivative VP961 restore BACH1/NRF2 axis in Down Syndrome. <i>Free Radical Biology and Medicine</i> , 2022, 183, 1-13.	1.3	9
81	Protein Oxidative Damage in UV-Related Skin Cancer and Dysplastic Lesions Contributes to Neoplastic Promotion and Progression. <i>Cancers</i> , 2020, 12, 110.	1.7	8
82	Redox Proteomics in Human Biofluids: Sample Preparation, Separation and Immunochemical Tagging for Analysis of Protein Oxidation. <i>Methods in Molecular Biology</i> , 2016, 1303, 391-403.	0.4	7
83	Down syndrome: From development to adult life to Alzheimer disease. <i>Free Radical Biology and Medicine</i> , 2018, 114, 1-2.	1.3	6
84	Building the Future Therapies for Down Syndrome: The Third International Conference of the T21 Research Society. <i>Molecular Syndromology</i> , 2021, 12, 202-218.	0.3	6
85	Proteomics Study of Peripheral Blood Mononuclear Cells in Down Syndrome Children. <i>Antioxidants</i> , 2020, 9, 1112.	2.2	5
86	Aberrant protein networks in Alzheimer disease. <i>Nature Reviews Neurology</i> , 2022, 18, 255-256.	4.9	5
87	Role of Biliverdin Reductase A in the Regulation of Insulin Signaling in Metabolic and Neurodegenerative Diseases: An Update. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5574.	1.8	4
88	Polyubiquitin Profile in Down Syndrome and Alzheimer's Disease Brain. <i>Methods in Molecular Biology</i> , 2021, 2261, 79-91.	0.4	1
89	[P36160]: ABERRANT POLYUBIQUITOME PROFILE IN DOWN SYNDROME AND ALZHEIMER DISEASE BRAIN. <i>Alzheimer's and Dementia</i> , 2017, 13, P995.	0.4	0
90	[O20204]: ALTERED PROTEIN O-GlcNAcylation PROFILE REVEALED BY PROTEOMICS: NOVEL INSIGHTS ON PROTEIN SIGNALING MECHANISMS IN ALZHEIMER DISEASE. <i>Alzheimer's and Dementia</i> , 2017, 13, P553.	0.4	0

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91	Oxidative stress and mTOR in Down syndrome brain: Link to Alzheimer's dysmetabolism, neuropathology, and possible therapies. , 2022, , 75-96.		0
92	Down Syndrome as a Special Case of Oxidatively Induced Developmental Dysregulation. Oxidative Stress in Applied Basic Research and Clinical Practice, 2014, , 127-142.	0.4	0