

Cesare Mancuso

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

8,295
citations

36271

51
h-index

45285

90
g-index

102
all docs

102
docs citations

102
times ranked

10496
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitric oxide in the central nervous system: neuroprotection versus neurotoxicity. <i>Nature Reviews Neuroscience</i> , 2007, 8, 766-775.	4.9	1,208
2	Ferulic acid: Pharmacological and toxicological aspects. <i>Food and Chemical Toxicology</i> , 2014, 65, 185-195.	1.8	430
3	Mitochondrial dysfunction, free radical generation and cellular stress response in neurodegenerative disorders. <i>Frontiers in Bioscience - Landmark</i> , 2007, 12, 1107.	3.0	274
4	Cellular Stress Response: A Novel Target for Chemoprevention and Nutritional Neuroprotection in Aging, Neurodegenerative Disorders and Longevity. <i>Neurochemical Research</i> , 2008, 33, 2444-2471.	1.6	259
5	Ferulic acid and its therapeutic potential as a hormetin for age-related diseases. <i>Biogerontology</i> , 2009, 10, 97-108.	2.0	253
6	Panax ginseng and Panax quinquefolius : From pharmacology to toxicology. <i>Food and Chemical Toxicology</i> , 2017, 107, 362-372.	1.8	221
7	Redox Regulation of Cellular Stress Response in Aging and Neurodegenerative Disorders: Role of Vitagenes. <i>Neurochemical Research</i> , 2007, 32, 757-773.	1.6	219
8	Nitrosative Stress, Cellular Stress Response, and Thiol Homeostasis in Patients with Alzheimer's Disease. <i>Antioxidants and Redox Signaling</i> , 2006, 8, 1975-1986.	2.5	215
9	Alzheimer's disease and gut microbiota modifications: The long way between preclinical studies and clinical evidence. <i>Pharmacological Research</i> , 2018, 129, 329-336.	3.1	152
10	The secondary alcohol metabolite of doxorubicin irreversibly inactivates aconitase/iron regulatory protein in cytosolic fractions from human myocardium. <i>FASEB Journal</i> , 1998, 12, 541-552.	0.2	147
11	The Hormetic Role of Dietary Antioxidants in Free Radical-Related Diseases. <i>Current Pharmaceutical Design</i> , 2010, 16, 877-883.	0.9	142
12	Curcumin and the cellular stress response in free radical-related diseases. <i>Molecular Nutrition and Food Research</i> , 2008, 52, 1062-1073.	1.5	138
13	Natural antioxidants in Alzheimer's disease. <i>Expert Opinion on Investigational Drugs</i> , 2007, 16, 1921-1931.	1.9	136
14	Vitagenes, dietary antioxidants and neuroprotection in neurodegenerative diseases. <i>Frontiers in Bioscience - Landmark</i> , 2009, Volume, 376.	3.0	129
15	Redox Homeostasis and Cellular Stress Response in Aging and Neurodegeneration. <i>Methods in Molecular Biology</i> , 2010, 610, 285-308.	0.4	129
16	Oxidative stress and cellular stress response in diabetic nephropathy. <i>Cell Stress and Chaperones</i> , 2007, 12, 299.	1.2	125
17	Heat shock proteins and hormesis in the diagnosis and treatment of neurodegenerative diseases. <i>Immunity and Ageing</i> , 2015, 12, 20.	1.8	111
18	Heme Oxygenase and Its Products in the Nervous System. <i>Antioxidants and Redox Signaling</i> , 2004, 6, 878-887.	2.5	110

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19	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
20	The Janus face of the heme oxygenase/biliverdin reductase system in Alzheimer disease: It's time for reconciliation. <i>Neurobiology of Disease</i> , 2014, 62, 144-159.	2.1	109
21	In vivo protective effect of ferulic acid against noise-induced hearing loss in the guinea-pig. <i>Neuroscience</i> , 2010, 169, 1575-1588.	1.1	108
22	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
23	The role of antioxidant supplement in immune system, neoplastic, and neurodegenerative disorders: a point of view for an assessment of the risk/benefit profile. <i>Nutrition Journal</i> , 2008, 7, 29.	1.5	104
24	Association between frontal cortex oxidative damage and beta-amyloid as a function of age in Down syndrome. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012, 1822, 130-138.	1.8	103
25	Bilirubin: an endogenous scavenger of nitric oxide and reactive nitrogen species. <i>Redox Report</i> , 2006, 11, 207-213.	1.4	102
26	Roles of nitric oxide, carbon monoxide, and hydrogen sulfide in the regulation of the hypothalamic-pituitary-adrenal axis. <i>Journal of Neurochemistry</i> , 2010, 113, 563-575.	2.1	96
27	Rosmarinic acid up-regulates the noise-activated Nrf2/HO-1 pathway and protects against noise-induced injury in rat cochlea. <i>Free Radical Biology and Medicine</i> , 2015, 85, 269-281.	1.3	96
28	Bilirubin and S-nitrosothiols interaction: evidence for a possible role of bilirubin as a scavenger of nitric oxide. <i>Biochemical Pharmacology</i> , 2003, 66, 2355-2363.	2.0	93
29	Trans-ferulic acid-based solid lipid nanoparticles and their antioxidant effect in rat brain microsomes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 109, 273-279.	2.5	93
30	The Heme Oxygenase/Biliverdin Reductase Pathway in Drug Research and Development. <i>Current Drug Metabolism</i> , 2009, 10, 579-594.	0.7	92
31	Redox regulation of cellular stress response by ferulic acid ethyl ester in human dermal fibroblasts: role of vitagenes. <i>Clinics in Dermatology</i> , 2008, 26, 358-363.	0.8	90
32	Curcumin, Hormesis and the Nervous System. <i>Nutrients</i> , 2019, 11, 2417.	1.7	89
33	Long-term high-dose atorvastatin decreases brain oxidative and nitrosative stress in a preclinical model of Alzheimer disease: A novel mechanism of action. <i>Pharmacological Research</i> , 2011, 63, 172-180.	3.1	86
34	Quantitative proteomics analysis of phosphorylated proteins in the hippocampus of Alzheimer's disease subjects. <i>Journal of Proteomics</i> , 2011, 74, 1091-1103.	1.2	86
35	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
36	Ginsenosides, catechins, quercetin and gut microbiota: Current evidence of challenging interactions. <i>Food and Chemical Toxicology</i> , 2019, 123, 42-49.	1.8	84

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37	Bilirubin as an endogenous modulator of neurotrophin redox signaling. <i>Journal of Neuroscience Research</i> , 2008, 86, 2235-2249.	1.3	81
38	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
39	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
40	Natural substances and Alzheimer's disease: From preclinical studies to evidence based medicine. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012, 1822, 616-624.	1.8	72
41	Cholesterol-independent neuroprotective and neurotoxic activities of statins: Perspectives for statin use in Alzheimer disease and other age-related neurodegenerative disorders. <i>Pharmacological Research</i> , 2011, 64, 180-186.	3.1	67
42	Albumin-Bound Bilirubin Interacts with Nitric Oxide by a Redox Mechanism. <i>Antioxidants and Redox Signaling</i> , 2006, 8, 487-494.	2.5	66
43	Curcumin in clinical practice: myth or reality?. <i>Trends in Pharmacological Sciences</i> , 2009, 30, 333-334.	4.0	64
44	Atorvastatin treatment in a dog preclinical model of Alzheimer's disease leads to up-regulation of haem oxygenase-1 and is associated with reduced oxidative stress in brain. <i>International Journal of Neuropsychopharmacology</i> , 2012, 15, 981-987.	1.0	63
45	Biliverdin reductase: a novel drug target for atorvastatin in a dog preclinical model of Alzheimer disease. <i>Journal of Neurochemistry</i> , 2012, 120, 135-146.	2.1	63
46	Ferulic Acid Regulates the Nrf2/Heme Oxygenase-1 System and Counteracts Trimethyltin-Induced Neuronal Damage in the Human Neuroblastoma Cell Line SH-SY5Y. <i>Frontiers in Pharmacology</i> , 2015, 6, 305.	1.6	59
47	The Generation of Nitric Oxide and Carbon Monoxide Produces Opposite Effects on the Release of Immunoreactive Interleukin-1 β from the Rat Hypothalamus <i>in Vitro</i> : Evidence for the Involvement of Different Signaling Pathways. <i>Endocrinology</i> , 1998, 139, 1031-1037.	1.4	58
48	Heme oxygenase and cyclooxygenase in the central nervous system: A functional interplay. <i>Journal of Neuroscience Research</i> , 2006, 84, 1385-1391.	1.3	58
49	In vivo induction of heat shock proteins in the substantia nigra following L-DOPA administration is associated with increased activity of mitochondrial complex I and nitrosative stress in rats: regulation by glutathione redox state. <i>Journal of Neurochemistry</i> , 2007, 101, 709-717.	2.1	56
50	The Role of Carbon Monoxide in the Regulation of Neuroendocrine Function. <i>NeuroImmunoModulation</i> , 1997, 4, 225-229.	0.9	55
51	Activation of heme oxygenase and consequent carbon monoxide formation inhibits the release of arginine vasopressin from rat hypothalamic explants. Molecular linkage between heme catabolism and neuroendocrine function. <i>Molecular Brain Research</i> , 1997, 50, 267-276.	2.5	53
52	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
53	Inhibition of heme oxygenase in the central nervous system potentiates endotoxin-induced vasopressin release in the rat. <i>Journal of Neuroimmunology</i> , 1999, 99, 189-194.	1.1	51
54	Characterization of the S-nitrosylating activity of bilirubin. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 2365-2375.	1.6	51

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55	Bilirubin and brain: A pharmacological approach. <i>Neuropharmacology</i> , 2017, 118, 113-123.	2.0	51
56	Evidence that carbon monoxide stimulates prostaglandin endoperoxide synthase activity in rat hypothalamic explants and in primary cultures of rat hypothalamic astrocytes. <i>Molecular Brain Research</i> , 1997, 45, 294-300.	2.5	50
57	Ferulic Acid Improves Cognitive Skills Through the Activation of the Heme Oxygenase System in the Rat. <i>Molecular Neurobiology</i> , 2018, 55, 905-916.	1.9	47
58	Redox regulation of cellular stress response in neurodegenerative disorders. <i>Italian Journal of Biochemistry</i> , 2006, 55, 263-82.	0.3	46
59	Bacterial Lipopolysaccharide Increases Prostaglandin Production by Rat Astrocytes via Inducible Cyclo-oxygenase: Evidence for the Involvement of Nuclear Factor κ B. <i>Biochemical and Biophysical Research Communications</i> , 1999, 263, 570-574.	1.0	44
60	Pharmacologists and Alzheimer disease therapy: to boldly go where no scientist has gone before. <i>Expert Opinion on Investigational Drugs</i> , 2011, 20, 1243-1261.	1.9	44
61	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
62	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
63	The protective role of carotenoids against 7-keto-cholesterol formation in solution. <i>Molecular and Cellular Biochemistry</i> , 2008, 309, 61-68.	1.4	41
64	Characterization of the S-nitrosylating activity of bilirubin. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 2365-2375.	1.6	41
65	Evidence for the neuronal origin of immunoreactive interleukin- 1β released by rat hypothalamic explants. <i>Neuroscience Letters</i> , 1996, 219, 143-146.	1.0	39
66	Curcumin and Alzheimer Disease: This Marriage Is Not to Be Performed. <i>Journal of Biological Chemistry</i> , 2011, 286, 1e3.	1.6	37
67	Oxidatively-modified and glycated proteins as candidate pro-inflammatory toxins in uremia and dialysis patients. <i>Amino Acids</i> , 2007, 32, 573-592.	1.2	34
68	Practical Approaches to Investigate Redox Regulation of Heat Shock Protein Expression and Intracellular Glutathione Redox State. <i>Methods in Enzymology</i> , 2008, 441, 83-110.	0.4	34
69	1β -Carotene and Cigarette Smoke Condensate Regulate Heme Oxygenase-1 and Its Repressor Factor Bach1: Relationship with Cell Growth. <i>Antioxidants and Redox Signaling</i> , 2006, 8, 1069-1080.	2.5	33
70	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
71	Sex differences in brain proteomes of neuron-specific STAT3 null mice after cerebral ischemia/reperfusion. <i>Journal of Neurochemistry</i> , 2012, 121, 680-692.	2.1	29
72	Bilirubin: An Endogenous Molecule with Antiviral Activity in vitro. <i>Frontiers in Pharmacology</i> , 2012, 3, 36.	1.6	28

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73	THE RELEASE OF IMMUNOREACTIVE INTERLEUKIN-1B FROM RAT HYPOTHALAMIC EXPLANTS IS MODULATED BY NEUROTRANSMITTERS AND CORTICOTROPIN-RELEASING HORMONE. <i>Pharmacological Research</i> , 1997, 36, 269-273.	3.1	27
74	The relative contribution of constitutive and inducible cyclooxygenase activity to lipopolysaccharide-induced prostaglandin production by primary cultures of rat hypothalamic astrocytes. <i>Neuroscience Letters</i> , 1998, 246, 45-48.	1.0	26
75	Heme Oxygenase and Its Products in the Nervous System. <i>Antioxidants and Redox Signaling</i> , 2004, 6, 878-887.	2.5	25
76	Synthesis, Characterization, and Anti-Inflammatory Activity of Diclofenac-Bound Cotton Fibers. <i>Biomacromolecules</i> , 2010, 11, 1716-1720.	2.6	23
77	Curcumin and Heme Oxygenase: Neuroprotection and Beyond. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2419.	1.8	23
78	The Generation of Nitric Oxide and Carbon Monoxide Produces Opposite Effects on the Release of Immunoreactive Interleukin-1 β from the Rat Hypothalamus in Vitro: Evidence for the Involvement of Different Signaling Pathways. <i>Endocrinology</i> , 1998, 139, 1031-1037.	1.4	19
79	KV7 channels in the human detrusor: channel modulator effects and gene and protein expression. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2017, 390, 127-137.	1.4	17
80	Celecoxib Exerts Neuroprotective Effects in β 2-Amyloid-Treated SH-SY5Y Cells Through the Regulation of Heme Oxygenase-1: Novel Insights for an Old Drug. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 561179.	1.8	16
81	Heme oxygenase-derived carbon monoxide modulates gonadotropin-releasing hormone release in immortalized hypothalamic neurons. <i>Neuroscience Letters</i> , 2010, 471, 175-178.	1.0	15
82	Coenzyme Q10 and cognition in atorvastatin treated dogs. <i>Neuroscience Letters</i> , 2011, 501, 92-95.	1.0	15
83	Experimental Research on Nitric Oxide and the Therapy of Alzheimer Disease: A Challenging Bridge. <i>CNS and Neurological Disorders - Drug Targets</i> , 2011, 10, 766-776.	0.8	15
84	Protective role of MnSOD and redox regulation of neuronal cell survival. <i>Biomedicine and Pharmacotherapy</i> , 2005, 59, 197-203.	2.5	14
85	Lack of p53 Affects the Expression of Several Brain Mitochondrial Proteins: Insights from Proteomics into Important Pathways Regulated by p53. <i>PLoS ONE</i> , 2012, 7, e49846.	1.1	14
86	Key factors which concur to the correct therapeutic evaluation of herbal products in free radical-induced diseases. <i>Frontiers in Pharmacology</i> , 2015, 6, 86.	1.6	13
87	Caspase-3 inhibits the growth of breast cancer cells independent of protease activity. <i>Journal of Cellular Physiology</i> , 2005, 202, 478-482.	2.0	11
88	Therapeutic use of tea derivatives: all that glitters is not gold. <i>Blood</i> , 2009, 114, 2359-2360.	0.6	10
89	The contribution of transgenic and nontransgenic animal models in Alzheimer's disease drug research and development. <i>Behavioural Pharmacology</i> , 2017, 28, 95-111.	0.8	8
90	Biliverdin reductase as a target in drug research and development: Facts and hypotheses. <i>Free Radical Biology and Medicine</i> , 2021, 172, 521-529.	1.3	8

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91	The Heme Oxygenase/Biliverdin Reductase System as Effector of the Neuroprotective Outcomes of Herb-Based Nutritional Supplements. <i>Frontiers in Pharmacology</i> , 2019, 10, 1298.	1.6	5
92	Nitric Oxide and Cellular Stress Response in Brain Aging and Neurodegenerative Disorders. , 2007, , 115-134.		4
93	Preclinical and clinical issues in Alzheimer's disease drug research and development. <i>Frontiers in Pharmacology</i> , 2014, 5, 234.	1.6	4
94	Heme oxygenase expression and activity in immortalized hypothalamic neurons GT1â€“7. <i>Neuroscience Letters</i> , 2008, 444, 106-108.	1.0	2
95	Subarachnoid Hemorrhage and Carbon Monoxide Exposure: Accidental Association or Fatal Link?. <i>Journal of Forensic Sciences</i> , 2013, 58, 1364-1366.	0.9	2
96	Nutritional Redox Homeostasis and Cellular Stress Response. <i>Oxidative Stress and Disease</i> , 2008, , .	0.3	2
97	The brain heme oxygenase/biliverdin reductase system as a target in drug research and development. <i>Expert Opinion on Therapeutic Targets</i> , 2022, 26, 361-374.	1.5	2
98	Heme Oxygenase as a Therapeutic Funnel in Nutritional Redox Homeostasis and Cellular Stress Response. , 2009, , 39-52.		1
99	Editorial: Alzheimerâ€™s Disease: Original Mechanisms and Translational Impact. <i>Frontiers in Pharmacology</i> , 2020, 11, 157.	1.6	0
100	Potential Therapeutic Effects of Statins in Alzheimerâ€™s Disease. , 2014, , 2339-2354.		0