

# Cesare Mancuso

## List of Publications by Citations

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98  
papers

6,704  
citations

49  
h-index

81  
g-index

101  
ext. papers

7,400  
ext. citations

5.3  
avg, IF

5.97  
L-index

#	Paper	IF	Citations
98	Nitric oxide in the central nervous system: neuroprotection versus neurotoxicity. <i>Nature Reviews Neuroscience</i> , <b>2007</b> , 8, 766-75	13.5	948
97	Ferulic acid: pharmacological and toxicological aspects. <i>Food and Chemical Toxicology</i> , <b>2014</b> , 65, 185-95	4.7	301
96	Mitochondrial dysfunction, free radical generation and cellular stress response in neurodegenerative disorders. <i>Frontiers in Bioscience - Landmark</i> , <b>2007</b> , 12, 1107-23	2.8	236
95	Cellular stress response: a novel target for chemoprevention and nutritional neuroprotection in aging, neurodegenerative disorders and longevity. <i>Neurochemical Research</i> , <b>2008</b> , 33, 2444-71	4.6	223
94	Ferulic acid and its therapeutic potential as a hormetin for age-related diseases. <i>Biogerontology</i> , <b>2009</b> , 10, 97-108	4.5	211
93	Nitrosative stress, cellular stress response, and thiol homeostasis in patients with Alzheimer's disease. <i>Antioxidants and Redox Signaling</i> , <b>2006</b> , 8, 1975-86	8.4	189
92	Redox regulation of cellular stress response in aging and neurodegenerative disorders: role of vitagenes. <i>Neurochemical Research</i> , <b>2007</b> , 32, 757-73	4.6	181
91	Panax ginseng and Panax quinquefolius: From pharmacology to toxicology. <i>Food and Chemical Toxicology</i> , <b>2017</b> , 107, 362-372	4.7	130
90	The secondary alcohol metabolite of doxorubicin irreversibly inactivates aconitase/iron regulatory protein-1 in cytosolic fractions from human myocardium. <i>FASEB Journal</i> , <b>1998</b> , 12, 541-52	0.9	127
89	The hormetic role of dietary antioxidants in free radical-related diseases. <i>Current Pharmaceutical Design</i> , <b>2010</b> , 16, 877-83	3.3	117
88	Curcumin and the cellular stress response in free radical-related diseases. <i>Molecular Nutrition and Food Research</i> , <b>2008</b> , 52, 1062-73	5.9	115
87	Oxidative stress and cellular stress response in diabetic nephropathy. <i>Cell Stress and Chaperones</i> , <b>2007</b> , 12, 299-306	4	113
86	Natural antioxidants in Alzheimer's disease. <i>Expert Opinion on Investigational Drugs</i> , <b>2007</b> , 16, 1921-31	5.9	113
85	Redox homeostasis and cellular stress response in aging and neurodegeneration. <i>Methods in Molecular Biology</i> , <b>2010</b> , 610, 285-308	1.4	112
84	Vitagenes, dietary antioxidants and neuroprotection in neurodegenerative diseases. <i>Frontiers in Bioscience - Landmark</i> , <b>2009</b> , 14, 376-97	2.8	111
83	Alzheimer's disease and gut microbiota modifications: The long way between preclinical studies and clinical evidence. <i>Pharmacological Research</i> , <b>2018</b> , 129, 329-336	10.2	99
82	In vivo protective effect of ferulic acid against noise-induced hearing loss in the guinea-pig. <i>Neuroscience</i> , <b>2010</b> , 169, 1575-88	3.9	93

81	Heme oxygenase and its products in the nervous system. <i>Antioxidants and Redox Signaling</i> , <b>2004</b> , 6, 878-874	874	93
80	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> , <b>2013</b> , 1832, 1249-59	6.9	92
79	Heme oxygenase-1 posttranslational modifications in the brain of subjects with Alzheimer disease and mild cognitive impairment. <i>Free Radical Biology and Medicine</i> , <b>2012</b> , 52, 2292-301	7.8	92
78	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> , <b>2008</b> , 7, 29	4.3	89
77	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> , <b>2012</b> , 1822, 130-8	6.9	87
76	The heme oxygenase/biliverdin reductase pathway in drug research and development. <i>Current Drug Metabolism</i> , <b>2009</b> , 10, 579-94	3.5	86
75	The Janus face of the heme oxygenase/biliverdin reductase system in Alzheimer disease: it's time for reconciliation. <i>Neurobiology of Disease</i> , <b>2014</b> , 62, 144-59	7.5	83
74	Roles of nitric oxide, carbon monoxide, and hydrogen sulfide in the regulation of the hypothalamic-pituitary-adrenal axis. <i>Journal of Neurochemistry</i> , <b>2010</b> , 113, 563-75	6	81
73	Bilirubin and S-nitrosothiols interaction: evidence for a possible role of bilirubin as a scavenger of nitric oxide. <i>Biochemical Pharmacology</i> , <b>2003</b> , 66, 2355-63	6	81
72	Heat shock proteins and hormesis in the diagnosis and treatment of neurodegenerative diseases. <i>Immunity and Ageing</i> , <b>2015</b> , 12, 20	9.7	79
71	Quantitative proteomics analysis of phosphorylated proteins in the hippocampus of Alzheimer's disease subjects. <i>Journal of Proteomics</i> , <b>2011</b> , 74, 1091-103	3.9	78
70	Redox regulation of cellular stress response by ferulic acid ethyl ester in human dermal fibroblasts: role of vitagenes. <i>Clinics in Dermatology</i> , <b>2008</b> , 26, 358-63	3	75
69	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> , <b>2015</b> , 85, 269-81	7.8	74
68	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> , <b>2011</b> , 63, 172-80	10.2	74
67	Bilirubin: an endogenous scavenger of nitric oxide and reactive nitrogen species. <i>Redox Report</i> , <b>2006</b> , 11, 207-13	5.9	71
66	Trans-ferulic acid-based solid lipid nanoparticles and their antioxidant effect in rat brain microsomes. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 109, 273-9	6	70
65	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> , <b>2011</b> , 25, 623-33	4.3	68
64	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> , <b>2011</b> , 1812, 480-7	6.9	65

63	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> , <b>2011</b> , 64, 180-6	10.2	60
62	Bilirubin as an endogenous modulator of neurotrophin redox signaling. <i>Journal of Neuroscience Research</i> , <b>2008</b> , 86, 2235-49	4.4	59
61	Inhibition of lipid peroxidation and protein oxidation by endogenous and exogenous antioxidants in rat brain microsomes in vitro. <i>Neuroscience Letters</i> , <b>2012</b> , 518, 101-5	3.3	58
60	Natural substances and Alzheimer's disease: from preclinical studies to evidence based medicine. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2012</b> , 1822, 616-24	6.9	58
59	Ginsenosides, catechins, quercetin and gut microbiota: Current evidence of challenging interactions. <i>Food and Chemical Toxicology</i> , <b>2019</b> , 123, 42-49	4.7	57
58	Curcumin in clinical practice: myth or reality?. <i>Trends in Pharmacological Sciences</i> , <b>2009</b> , 30, 333-4	13.2	56
57	Curcumin, Hormesis and the Nervous System. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	55
56	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> , <b>2012</b> , 15, 981-7	5.8	55
55	Albumin-bound bilirubin interacts with nitric oxide by a redox mechanism. <i>Antioxidants and Redox Signaling</i> , <b>2006</b> , 8, 487-94	8.4	55
54	Biliverdin reductase-A: a novel drug target for atorvastatin in a dog pre-clinical model of Alzheimer disease. <i>Journal of Neurochemistry</i> , <b>2012</b> , 120, 135-46	6	53
53	Heme oxygenase and cyclooxygenase in the central nervous system: a functional interplay. <i>Journal of Neuroscience Research</i> , <b>2006</b> , 84, 1385-91	4.4	53
52	The generation of nitric oxide and carbon monoxide produces opposite effects on the release of immunoreactive interleukin-1beta from the rat hypothalamus in vitro: evidence for the involvement of different signaling pathways. <i>Endocrinology</i> , <b>1998</b> , 139, 1031-7	4.8	52
51	The role of carbon monoxide in the regulation of neuroendocrine function. <i>NeuroImmunoModulation</i> , <b>1997</b> , 4, 225-9	2.5	51
50	Characterization of the S-denitrosylating activity of bilirubin. <i>Journal of Cellular and Molecular Medicine</i> , <b>2009</b> , 13, 2365-2375	5.6	50
49	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> , <b>1997</b> , 50, 267-76		48
48	Inhibition of heme oxygenase in the central nervous system potentiates endotoxin-induced vasopressin release in the rat. <i>Journal of Neuroimmunology</i> , <b>1999</b> , 99, 189-94	3.5	48
47	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> , <b>2015</b> , 6, 305	5.6	48
46	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> , <b>2007</b> , 101, 709-17	6	46

45	Redox regulation of cellular stress response in neurodegenerative disorders. <i>Italian Journal of Biochemistry</i> , <b>2006</b> , 55, 263-82		45
44	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> , <b>1997</b> , 45, 294-300		43
43	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 Alzheimerts Disease</i> , <b>2015</b> , 44, 1107-20	4-3	41
42	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> , <b>2012</b> , 17, 1490-506	8.4	39
41	Bacterial lipopolysaccharide increases prostaglandin production by rat astrocytes via inducible cyclo-oxygenase: evidence for the involvement of nuclear factor kappaB. <i>Biochemical and Biophysical Research Communications</i> , <b>1999</b> , 263, 570-4	3-4	39
40	Bilirubin and brain: A pharmacological approach. <i>Neuropharmacology</i> , <b>2017</b> , 118, 113-123	5-5	37
39	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 Alzheimerts Disease</i> , <b>2012</b> , 32, 277-89	4-3	36
38	Evidence for the neuronal origin of immunoreactive interleukin-1 beta released by rat hypothalamic explants. <i>Neuroscience Letters</i> , <b>1996</b> , 219, 143-6	3-3	35
37	Curcumin and Alzheimer disease: this marriage is not to be performed. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 1e3; author reply 1e4	5-4	34
36	Pharmacologists and Alzheimer disease therapy: to boldly go where no scientist has gone before. <i>Expert Opinion on Investigational Drugs</i> , <b>2011</b> , 20, 1243-61	5-9	34
35	The protective role of carotenoids against 7-keto-cholesterol formation in solution. <i>Molecular and Cellular Biochemistry</i> , <b>2008</b> , 309, 61-8	4-2	33
34	Characterization of the S-denitrosylating activity of bilirubin. <i>Journal of Cellular and Molecular Medicine</i> , <b>2009</b> , 13, 2365-75	5-6	33
33	Practical approaches to investigate redox regulation of heat shock protein expression and intracellular glutathione redox state. <i>Methods in Enzymology</i> , <b>2008</b> , 441, 83-110	1-7	30
32	beta-Carotene and cigarette smoke condensate regulate heme oxygenase-1 and its repressor factor Bach1: relationship with cell growth. <i>Antioxidants and Redox Signaling</i> , <b>2006</b> , 8, 1069-80	8-4	29
31	Ferulic Acid Improves Cognitive Skills Through the Activation of the Heme Oxygenase System in the Rat. <i>Molecular Neurobiology</i> , <b>2018</b> , 55, 905-916	6-2	28
30	The release of immunoreactive interleukin-1 beta from rat hypothalamic explants is modulated by neurotransmitters and corticotropin-releasing hormone. <i>Pharmacological Research</i> , <b>1997</b> , 36, 269-73	10-2	27
29	Oxidatively-modified and glycated proteins as candidate pro-inflammatory toxins in uremia and dialysis patients. <i>Amino Acids</i> , <b>2007</b> , 32, 573-92	3-5	27
28	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> , <b>2012</b> , 16, 1407-20	8-4	25

27	Sex differences in brain proteomes of neuron-specific STAT3-null mice after cerebral ischemia/reperfusion. <i>Journal of Neurochemistry</i> , <b>2012</b> , 121, 680-92	6	24
26	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> , <b>1998</b> , 246, 45-8	3.3	23
25	Bilirubin: An Endogenous Molecule with Antiviral Activity in vitro. <i>Frontiers in Pharmacology</i> , <b>2012</b> , 3, 36	5.6	22
24	Synthesis, characterization, and anti-inflammatory activity of diclofenac-bound cotton fibers. <i>Biomacromolecules</i> , <b>2010</b> , 11, 1716-20	6.9	21
23	Heme Oxygenase and Its Products in the Nervous System. <i>Antioxidants and Redox Signaling</i> , <b>2004</b> , 6, 878-887	8.7	18
22	K7 channels in the human detrusor: channel modulator effects and gene and protein expression. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2017</b> , 390, 127-137	3.4	15
21	Coenzyme Q10 and cognition in atorvastatin treated dogs. <i>Neuroscience Letters</i> , <b>2011</b> , 501, 92-5	3.3	14
20	Curcumin and Heme Oxygenase: Neuroprotection and Beyond. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	13
19	Lack of p53 affects the expression of several brain mitochondrial proteins: insights from proteomics into important pathways regulated by p53. <i>PLoS ONE</i> , <b>2012</b> , 7, e49846	3.7	13
18	Heme oxygenase-derived carbon monoxide modulates gonadotropin-releasing hormone release in immortalized hypothalamic neurons. <i>Neuroscience Letters</i> , <b>2010</b> , 471, 175-8	3.3	13
17	Experimental research on nitric oxide and the therapy of Alzheimer disease: a challenging bridge. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2011</b> , 10, 766-76	2.6	13
16	Protective role of MnSOD and redox regulation of neuronal cell survival. <i>Biomedicine and Pharmacotherapy</i> , <b>2005</b> , 59, 197-203	7.5	13
15	Key factors which concur to the correct therapeutic evaluation of herbal products in free radical-induced diseases. <i>Frontiers in Pharmacology</i> , <b>2015</b> , 6, 86	5.6	12
14	Therapeutic use of tea derivatives: all that glitters is not gold. <i>Blood</i> , <b>2009</b> , 114, 2359-60	2.2	10
13	Celecoxib Exerts Neuroprotective Effects in $\beta$ 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> , <b>2020</b> , 8, 561179	5.7	9
12	Caspase-3 inhibits the growth of breast cancer cells independent of protease activity. <i>Journal of Cellular Physiology</i> , <b>2005</b> , 202, 478-82	7	8
11	The contribution of transgenic and nontransgenic animal models in Alzheimer's disease drug research and development. <i>Behavioural Pharmacology</i> , <b>2017</b> , 28, 95-111	2.4	7
10	Preclinical and clinical issues in Alzheimer's disease drug research and development. <i>Frontiers in Pharmacology</i> , <b>2014</b> , 5, 234	5.6	3

9	Nitric Oxide and Cellular Stress Response in Brain Aging and Neurodegenerative Disorders <b>2007</b> , 115-134		3
8	Biliverdin reductase as a target in drug research and development: Facts and hypotheses. <i>Free Radical Biology and Medicine</i> , <b>2021</b> , 172, 521-529	7.8	3
7	Subarachnoid hemorrhage and carbon monoxide exposure: accidental association or fatal link?. <i>Journal of Forensic Sciences</i> , <b>2013</b> , 58, 1364-6	1.8	2
6	Heme oxygenase expression and activity in immortalized hypothalamic neurons GT1-7. <i>Neuroscience Letters</i> , <b>2008</b> , 444, 106-8	3.3	2
5	The Heme Oxygenase/Biliverdin Reductase System as Effector of the Neuroprotective Outcomes of Herb-Based Nutritional Supplements. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 1298	5.6	2
4	Nutritional Redox Homeostasis and Cellular Stress Response. <i>Oxidative Stress and Disease</i> , <b>2008</b> ,		1
3	The brain heme oxygenase/biliverdin reductase system as a target in drug research and development.. <i>Expert Opinion on Therapeutic Targets</i> , <b>2022</b> , 1-14	6.4	0
2	Heme Oxygenase as a Therapeutic Funnel in Nutritional Redox Homeostasis and Cellular Stress Response <b>2009</b> , 39-52		
1	Potential Therapeutic Effects of Statins in Alzheimer's Disease <b>2014</b> , 2339-2354		