Daniele Mancardi

List of Publications by Year
in descending order

53 papers	3,229 citations	159358 30 h-index	174990 52 g-index
54 all docs	54 docs citations	54 times ranked	3508 citing authors

#	Article	IF	Citations
1	Hypoxic inducible factor 1Î±, extracellular signal-regulated kinase, and p53 are regulated by distinct threshold concentrations of nitric oxide. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 8894-8899.	3.3	263
2	The chemistry of nitrosative stress induced by nitric oxide and reactive nitrogen oxide species. Putting perspective on stressful biological situations. Biological Chemistry, 2004, 385, 1-10.	1.2	256
3	Postâ€“conditioning induced cardioprotection requires signaling through a redoxâ€“sensitive mechanism, mitochondrial ATPâ€“sensitive K+ channel and protein kinase C activation. Basic Research in Cardiology, 2006, 101, 180-189.	2.5	222
4	Nitroxyl affords thiol-sensitive myocardial protective effects akin to early preconditioning. Free Radical Biology and Medicine, 2003, 34, 33-43.	1.3	193
5	Cardioprotection: A radical view. Biochimica Et Biophysica Acta - Bioenergetics, 2009, 1787, 781-793.	0.5	176
6	Physiological and pharmacological features of the novel gasotransmitter: Hydrogen sulfide. Biochimica Et Biophysica Acta - Bioenergetics, 2009, 1787, 864-872.	0.5	158
7	Intermittent activation of bradykinin B2 receptors and mitochondrial KATP channels trigger cardiac postconditioning through redox signaling. Cardiovascular Research, 2007, 75, 168-177.	1.8	128
8	Comparison of the NO and HNO Donating Properties of Diazeniumdiolates:â€‰ Primary Amine Adducts Release HNO in Vivo. Journal of Medicinal Chemistry, 2005, 48, 8220-8228.	2.9	118
9	Postâ€“conditioning reduces infarct size in the isolated rat heart: Role of coronary flow and pressure and the nitric oxide/cGMP pathway. Basic Research in Cardiology, 2006, 101, 168-179.	2.5	118
10	The emergence of nitroxyl (HNO) as a pharmacological agent. Biochimica Et Biophysica Acta - Bioenergetics, 2009, 1787, 835-840.	0.5	114
11	Mechanism of Aerobic Decomposition of Angeli's Salt (Sodium Trioxodinitrate) at Physiological pH. Journal of the American Chemical Society, 2005, 127, 722-731.	6.6	105
12	Playing with Cardiac â€œRedox Switchesâ€ The â€œHNO Wayâ€to Modulate Cardiac Function. Antioxidants and Redox Signaling, 2011, 14, 1687-1698.	2.5	101
13	Discriminating formation of HNO from other reactive nitrogen oxide species. Free Radical Biology and Medicine, 2006, 40, 1056-1066.	1.3	99
14	Orthogonal properties of the redox siblings nitroxyl and nitric oxide in the cardiovascular system: a novel redox paradigm. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 285, H2264-H2276.	1.5	86
15	Hydrogen sulfide promotes calcium signals and migration in tumor-derived endothelial cells. Free Radical Biology and Medicine, 2011, 51, 1765-1773.	1.3	83
16	Hydrogen Sulfide and Endothelial Dysfunction: Relationship with Nitric Oxide. Current Medicinal Chemistry, 2014, 21, 3646-3661.	1.2	71
17	Postconditioning cardioprotection against infarct size and post-ischemic systolic dysfunction is influenced by gender. Basic Research in Cardiology, 2009, 104, 390-402.	2.5	70
18	Postconditioning induces an anti-apoptotic effect and preserves mitochondrial integrity in isolated rat hearts. Biochimica Et Biophysica Acta - Bioenergetics, 2009, 1787, 794-801.	0.5	65

#	Article	IF	Citations
19	Postconditioning and intermittent bradykinin induced cardioprotection require cyclooxygenase activation and prostacyclin release during reperfusion. Basic Research in Cardiology, 2008, 103, 368-377.	2.5	63
20	Hydrogen sulfide as a regulator of calcium channels. Cell Calcium, 2013, 53, 77-84.	1.1	61
21	Iron Overload, Oxidative Stress, and Ferroptosis in the Failing Heart and Liver. Antioxidants, 2021, 10, 1864.	2.2	55
22	Peroxynitrite and myocardial contractility: In vivo versus in vitro effects. Free Radical Biology and Medicine, 2006, 41, 1606-1618.	1.3	53
23	Hydrogen Sulfide Regulates Intracellular Ca2+ Concentration in Endothelial Cells From Excised Rat Aorta. Current Pharmaceutical Biotechnology, 2011, 12, 1416-1426.	0.9	53
24	Fractal parameters and vascular networks: facts & artifacts. Theoretical Biology and Medical Modelling, 2008, 5, 12.	2.1	46
25	Effect of endothelins on the cardiovascular system. Journal of Cardiovascular Medicine, 2006, 7, 645-652.	0.6	44
26	The Chemical Dynamics of NO and Reactive Nitrogen Oxides: A Practical Guide. Current Molecular Medicine, 2004, 4, 723-740.	0.6	41
27	Comparing the chemical biology of NO and HNO. Archives of Pharmacal Research, 2009, 32, 1139-1153.	2.7	41
28	Integrating nitric oxide, nitrite and hydrogen sulfide signaling in the physiological adaptations to hypoxia: A comparative approach. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2012, 162, 1-6.	0.8	39
29	Old and New Gasotransmitters in the Cardiovascular System: Focus on the Role of Nitric Oxide and Hydrogen Sulfide in Endothelial Cells and Cardiomyocytes. Current Pharmaceutical Biotechnology, 2011, 12, 1406-1415.	0.9	39
30	Role of Calcium Channels in the Protective Effect of Hydrogen Sulfide in Rat Cardiomyoblasts. Cellular Physiology and Biochemistry, 2014, 33, 1205-1214.	1.1	33
31	F0F1ATP synthase activity is differently modulated by coronary reactive hyperemia before and after ischemic preconditioning in the goat. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 287, H2192-H2200.	1.5	25
32	Early homing of adult mesenchymal stem cells in normal and infarcted isolated beating hearts. Journal of Cellular and Molecular Medicine, 2008, 12, 507-521.	1.6	25
33	Hypoxia and Anoxia Tolerance of Vertebrate Hearts: An Evolutionary Perspective. Antioxidants and Redox Signaling, 2011, 14, 851-862.	2.5	19
34	Hypoxia and hydrogen sulfide differentially affect normal and tumor-derived vascular endothelium. Redox Biology, 2017, 12, 499-504.	3.9	18
35	Omega 3 has a beneficial effect on ischemia/reperfusion injury, but cannot reverse the effect of stressful forced exercise. Nutrition, Metabolism and Cardiovascular Diseases, 2009, 19, 20-26.	1.1	17
36	Nandrolone-pretreatment enhances cardiac Î²2-adrenoceptor expression and reverses heart contractile down-regulation in the post-stress period of acute-stressed rats. Journal of Steroid Biochemistry and Molecular Biology, 2007, 107, 106-113.	1.2	15

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37	Activated Met Signalling in the Developing Mouse Heart Leads to Cardiac Disease. PLoS ONE, 2011, 6, e14675.	1.1	15
38	Comparison of the Chemical Biology of NO and HNO: An Inorganic Perspective. Progress in Inorganic Chemistry, 2005, , 349-384.	3.0	11
39	Delayed preconditioning-mimetic actions of exercise or nitroglycerin do not affect haemodynamics and exercise performance in trained or sedentary individuals. Journal of Sports Sciences, 2007, 25, 1393-1401.	1.0	11
40	Intermittent Adenosine at the Beginning of Reperfusion Does Not Trigger Cardioprotection. Journal of Surgical Research, 2009, 153, 231-238.	0.8	11
41	Novel Perspectives in Redox Biology and Pathophysiology of Failing Myocytes: Modulation of the Intramyocardial Redox Milieu for Therapeutic Interventionsâ€"A Review Article from the Working Group of Cardiac Cell Biology, Italian Society of Cardiology. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-13.	1.9	10
42	Antioxidant Properties of Nitric Oxide in Cellular Physiological and Pathophysiological Mechanisms. The Implications of Biological Balance between NO and Oxidative Stress. Current Medicinal Chemistry Anti-inflammatory & Anti-allergy Agents, 2004, 3, 181-188.	0.4	8
43	H2S Pretreatment Is Promigratory and Decreases Ischemia/Reperfusion Injury in Human Microvascular Endothelial Cells. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-13.	1.9	7
44	Janus, or the Inevitable Battle Between Too Much and Too Little Oxygen. Antioxidants and Redox Signaling, 2022, 37, 972-989.	2.5	7
45	Preconditioning cardioprotection and exercise performance: a radical point of view. Sport Sciences for Health, 2015, 11, 137-151.	0.4	6
46	Endothelial dysfunction and cardiovascular risk in lupus nephritis: New roles for old players?. European Journal of Clinical Investigation, 2021, 51, e13441.	1.7	6
47	HNO Protects the Myocardium against Reperfusion Injury, Inhibiting the mPTP Opening via PKCÎµ Activation. Antioxidants, 2022, 11, 382.	2.2	6
48	Ischemic preconditioning changes the pattern of coronary reactive hyperemia regardless of mitochondrial ATP-sensitive K+ channel blockade. Life Sciences, 2002, 71, 2299-2309.	2.0	5
49	Gender-specific side effects of chemotherapy in pancreatic cancer patients. Canadian Journal of Physiology and Pharmacology, 2022, 100, 371-377.	0.7	5
50	The Chemistry of Protein Modifications Elicited by Nitric Oxide and Related Nitrogen Oxides. , 2006, , 25-58.		4
51	The Influence of Sex, Gender, and Age on COVID-19 Data in the Piedmont Region (Northwest Italy): The Virus Prefers Men. Life, 2022, 12, 643.	1.1	2
52	Myocardial protection from ischemic preconditioning is not blocked by sub-chronic inhibition of carnitine palmitoyltransferase I. Life Sciences, 2005, 77, 2004-2017.	2.0	1
53	Nitric Oxide Synthase Function in Exercise. Current Enzyme Inhibition, 2008, 4, 37-45.	0.3	0