Judy B De Haan

List of Publications by Year
in descending order

66 papers	3,903 citations	101543 36 h-index	123424 61 g-index
69 all docs	69 docs citations	69 times ranked	5686 citing authors

#	Article	IF	Citations
1	Mice with a Homozygous Null Mutation for the Most Abundant Glutathione Peroxidase, Gpx1, Show Increased Susceptibility to the Oxidative Stress-inducing Agents Paraquat and Hydrogen Peroxide. Journal of Biological Chemistry, 1998, 273, 22528-22536.	3.4	385
2	NADPH Oxidase 1 Plays a Key Role in Diabetes Mellitusâ€“Accelerated Atherosclerosis. Circulation, 2013, 127, 1888-1902.	1.6	325
3	Lack of the Antioxidant Enzyme Glutathione Peroxidase-1 Accelerates Atherosclerosis in Diabetic Apolipoprotein Eâ€“Deficient Mice. Circulation, 2007, 115, 2178-2187.	1.6	233
4	Elevation in the Ratio of Cu/Zn-Superoxide Dismutase to Glutathione Peroxidase Activity Induces Features of Cellular Senescence and This Effect Is Mediated by Hydrogen Peroxide. Human Molecular Genetics, 1996, 5, 283-292.	2.9	208
5	Oxidative Stress and NLRP3-Inflammasome Activity as Significant Drivers of Diabetic Cardiovascular Complications: Therapeutic Implications. Frontiers in Physiology, 2018, 9, 114.	2.8	150
6	Nrf2 Activators as Attractive Therapeutics for Diabetic Nephropathy. Diabetes, 2011, 60, 2683-2684.	0.6	140
7	Recent novel approaches to limit oxidative stress and inflammation in diabetic complications. Clinical and Translational Immunology, 2018, 7, e1016.	3.8	119
8	Antiatherosclerotic and Renoprotective Effects of Ebselen in the Diabetic Apolipoprotein E/GPx1-Double Knockout Mouse. Diabetes, 2010, 59, 3198-3207.	0.6	114
9	Derivative of Bardoxolone Methyl, dh404, in an Inverse Dose-Dependent Manner Lessens Diabetes-Associated Atherosclerosis and Improves Diabetic Kidney Disease. Diabetes, 2014, 63, 3091-3103.	0.6	99
10	Cu/Zn superoxide dismutase mRNA and enzyme activity, and susceptibility to lipid peroxidation, increases with aging in murine brains. Molecular Brain Research, 1992, 13, 179-187.	2.3	89
11	Site-Specific Antiatherogenic Effect of the Antioxidant Ebselen in the Diabetic Apolipoprotein Eâ€“Deficient Mouse. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 823-830.	2.4	86
12	An imbalance in antioxidant defense affects cellular function: the pathophysiological consequences of a reduction in antioxidant defense in the glutathione peroxidase-1 (Gpx1) knockout mouse. Redox Report, 2003, 8, 69-79.	4.5	85
13	Specific NLRP3 Inhibition Protects Against Diabetes-Associated Atherosclerosis. Diabetes, 2021, 70, 772-787.	0.6	84
14	Targeting Mitochondria and Reactive Oxygen Species-Driven Pathogenesis in Diabetic Nephropathy. Review of Diabetic Studies, 2015, 12, 134-156.	1.3	80
15	The nuclear factor (erythroid-derived 2)-like 2 (Nrf2) activator dh404 protects against diabetes-induced endothelial dysfunction. Cardiovascular Diabetology, 2017, 16, 33.	6.8	80
16	Are reactive oxygen species still the basis for diabetic complications?. Clinical Science, 2015, 129, 199-216.	4.3	74
17	Reactive Oxygen Species and Their Contribution to Pathology in Down Syndrome. Advances in Pharmacology, 1996, 38, 379-402.	2.0	71
18	Combating oxidative stress in diabetic complications with Nrf2 activators: How much is too much?. Redox Report, 2014, 19, 107-117.	4.5	69

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19	Fibroblasts derived from Gpx1 knockout mice display senescent-like features and are susceptible to H2O2-mediated cell death. Free Radical Biology and Medicine, 2004, 36, 53-64.	2.9	67
20	Imatinib inhibits vascular smooth muscle proteoglycan synthesis and reduces LDL binding in vitro and aortic lipid deposition in vivo. Journal of Cellular and Molecular Medicine, 2010, 14, 1408-1418.	3.6	61
21	Kidney expression of glutathione peroxidase-1 is not protective against streptozotocin-induced diabetic nephropathy. American Journal of Physiology - Renal Physiology, 2005, 289, F544-F551.	2.7	60
22	Ensuring Animal Welfare While Meeting Scientific Aims Using a Murine Pneumonia Model of Septic Shock. Shock, 2013, 39, 488-494.	2.1	60
23	Direct Endothelial Nitric Oxide Synthase Activation Provides Atheroprotection in Diabetes-Accelerated Atherosclerosis. Diabetes, 2015, 64, 3937-3950.	0.6	60
24	Nrf2 Activation Is a Potential Therapeutic Approach to Attenuate Diabetic Retinopathy. , 2018, 59, 815.		58
25	Targeting Endothelial Dysfunction in Vascular Complications Associated with Diabetes. International Journal of Vascular Medicine, 2012, 2012, 1-12.	1.0	57
26	Nanoporous Metalâ€“Phenolic Particles as Ultrasound Imaging Probes for Hydrogen Peroxide. Advanced Healthcare Materials, 2015, 4, 2170-2175.	7.6	57
27	Glutathione Peroxidase-1 Contributes to the Neuroprotection Seen in the Superoxide Dismutase-1 Transgenic Mouse in Response to Ischemia/Reperfusion Injury. Journal of Cerebral Blood Flow and Metabolism, 2003, 23, 19-22.	4.3	55
28	Lack of the antioxidant glutathione peroxidase-1 does not increase atherosclerosis in C57BL/J6 mice fed a high-fat diet. Journal of Lipid Research, 2006, 47, 1157-1167.	4.2	52
29	Dimethyl Fumarate and Its Esters: A Drug with Broad Clinical Utility?. Pharmaceuticals, 2020, 13, 306.	3.8	52
30	Plasmalogen modulation attenuates atherosclerosis in ApoE- and ApoE/GPx1-deficient mice. Atherosclerosis, 2015, 243, 598-608.	0.8	51
31	Changes in the levels of enzymes which modulate the antioxidant balance occur during aging and correlate with cellular damage. Mechanisms of Ageing and Development, 1995, 80, 93-105.	4.6	49
32	Mice Lacking Glutathione Peroxidase-1 Activity Show Increased Tunel Staining and an Accelerated Inflammatory Response in Brain Following a Cold-Induced Injury. Experimental Neurology, 2002, 177, 9-20.	4.1	44
33	Phagocyte-Derived Reactive Oxygen Species Do Not Influence the Progression of Murine Blood-Stage Malaria Infections. Infection and Immunity, 2005, 73, 4941-4947.	2.2	42
34	Lack of the Antioxidant Glutathione Peroxidase-1 (GPx1) Exacerbates Retinopathy of Prematurity in Mice. , 2013, 54, 555.		40
35	The superoxide dismutase mimetic tempol blunts diabetes-induced upregulation of NADPH oxidase and endoplasmic reticulum stress in a rat model of diabetic nephropathy. European Journal of Pharmacology, 2017, 807, 12-20.	3.5	39
36	An altered antioxidant balance occurs in Down syndrome fetal organs: Implications for the â€œgene dosage effectâ€•hypothesis. Journal of Neural Transmission Supplementum, 2003, , 67-83.	0.5	39

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37	Ebselen by modulating oxidative stress improves hypoxia-induced macroglial MÃ¼ller cell and vascular injury in the retina. Experimental Eye Research, 2015, 136, 1-8.	2.6	38
38	Lack of glutathione peroxidase-1 facilitates a pro-inflammatory and activated vascular endothelium. Vascular Pharmacology, 2016, 79, 32-42.	2.1	37
39	Retinal Light Damage: Structural and Functional Effects of the Antioxidant Glutathione Peroxidase-1. , 2006, 47, 2613.		33
40	The Modified Selenenyl Amide, M-hydroxy Ebselen, Attenuates Diabetic Nephropathy and Diabetes-Associated Atherosclerosis in ApoE/GPx1 Double Knockout Mice. PLoS ONE, 2013, 8, e69193.	2.5	31
41	Characterising an Alternative Murine Model of Diabetic Cardiomyopathy. Frontiers in Physiology, 2019, 10, 1395.	2.8	29
42	An Apolipoprotein A-I Mimetic Peptide Designed with a Reductionist Approach Stimulates Reverse Cholesterol Transport and Reduces Atherosclerosis in Mice. PLoS ONE, 2013, 8, e68802.	2.5	28
43	A potent Nrf2 activator, dh404, bolsters antioxidant capacity in glial cells and attenuates ischaemic retinopathy. Clinical Science, 2016, 130, 1375-1387.	4.3	27
44	Cell division autoantigen 1 enhances signaling and the profibrotic effects of transforming growth factor-Î² in diabetic nephropathy. Kidney International, 2011, 79, 199-209.	5.2	25
45	Targeting Nrf2 for the treatment of Duchenne Muscular Dystrophy. Redox Biology, 2021, 38, 101803.	9.0	25
46	JNK Activation of BIM Promotes Hepatic Oxidative Stress, Steatosis, and Insulin Resistance in Obesity. Diabetes, 2017, 66, 2973-2986.	0.6	21
47	Inactivation of Protein Tyrosine Phosphatases Enhances Interferon Signaling in Pancreatic Islets. Diabetes, 2015, 64, 2489-2496.	0.6	17
48	Effects of exercise and antioxidant supplementation on endothelial gene expression. International Journal of Cardiology, 2012, 158, 59-65.	1.7	14
49	Targeting Oxidative Stress in Diabetic Complications: New Insights. Journal of Diabetes Research, 2018, 2018, 1-2.	2.3	14
50	SOD2 in skeletal muscle: New insights from an inducible deletion model. Redox Biology, 2021, 47, 102135.	9.0	14
51	NFÎºB Inhibition Mitigates Serum Amyloid A-Induced Pro-Atherogenic Responses in Endothelial Cells and Leukocyte Adhesion and Adverse Changes to Endothelium Function in Isolated Aorta. International Journal of Molecular Sciences, 2019, 20, 105.	4.1	13
52	Novel pathways and therapies in experimental diabetic atherosclerosis. Expert Review of Cardiovascular Therapy, 2012, 10, 323-335.	1.5	10
53	Does lack ofglutathione peroxidase 1gene expression exacerbate lung injury induced by neonatal hyperoxia in mice?. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 313, L115-L125.	2.9	10
54	A novel synthetic small molecule DMFO targets Nrf2 in modulating proinflammatory/antioxidant mediators to ameliorate inflammation. Free Radical Research, 2018, 52, 1140-1157.	3.3	10

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55	Limiting reductive stress for treating in-stent stenosis: the heart of the matter?. Journal of Clinical Investigation, 2014, 124, 5092-5094.	8.2	9
56	Protective Effect of Inflammasome Activation by Hydrogen Peroxide in a Mouse Model of Septic Shock. Critical Care Medicine, 2017, 45, e184-e194.	0.9	9
57	What effect does regular exercise have on oxidative stress in people with Down syndrome? A systematic review with meta-analyses. Journal of Science and Medicine in Sport, 2018, 21, 596-603.	1.3	9
58	Effect of thymidine analogs on tyrosinase activity and mRNA accumulation in mouse melanoma cells. Experimental Cell Research, 1990, 188, 36-41.	2.6	8
59	Effects of exercise training and RhoA/ROCK inhibition on plaque in ApoEâ^'/â^' mice. International Journal of Cardiology, 2013, 167, 1282-1288.	1.7	8
60	Late-intervention study with ebselen in an experimental model of type 1 diabetic nephropathy. Free Radical Research, 2015, 49, 219-227.	3.3	8
61	Animal models of diabetesâ€associated vascular diseases: an update on available models and experimental analysis. British Journal of Pharmacology, 2022, 179, 748-769.	5.4	8
62	Localization of four human chromosome 21 genes—SOD1, ETS2, IFNAR, and CBR—to two different chromosomes in the marsupial species Macropus eugenii. Cytogenetic and Genome Research, 1992, 61, 25-28.	1.1	6
63	The ethical dimension in published animal research in critical care: the dark side of our moon. Critical Care, 2014, 18, 120.	5.8	6
64	Reactive Oxygen Species and Diabetes-Associated Atherosclerosis â€“ Evidence from Experimental Models and Targeted Antioxidant Therapy. , 2014, , 3467-3491.		1
65	Role of Oxidative Stress and Targeted Antioxidant Therapies in Experimental Models of Diabetic Complications. , 2011, , 3-38.		0
66	Vascular Reactive Oxygen Species Biology â€“ Insights from Transgenic and Knockout Mouse Models. , 2014, , 1091-1122.		0