

Judith Haendeler

List of Publications by Citations

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123
papers

11,755
citations

57
h-index

108
g-index

135
ext. papers

12,656
ext. citations

7.9
avg, IF

5.78
L-index

#	Paper	IF	Citations
123	Suppression of apoptosis by nitric oxide via inhibition of interleukin-1beta-converting enzyme (ICE)-like and cysteine protease protein (CPP)-32-like proteases. <i>Journal of Experimental Medicine</i> , 1997 , 185, 601-7	16.6	766
122	SIRT1 controls endothelial angiogenic functions during vascular growth. <i>Genes and Development</i> , 2007 , 21, 2644-58	12.6	464
121	Fluid shear stress stimulates phosphorylation of Akt in human endothelial cells: involvement in suppression of apoptosis. <i>Circulation Research</i> , 1998 , 83, 334-41	15.7	360
120	HMG-CoA reductase inhibitors reduce senescence and increase proliferation of endothelial progenitor cells via regulation of cell cycle regulatory genes. <i>Circulation Research</i> , 2003 , 92, 1049-55	15.7	345
119	Redox regulatory and anti-apoptotic functions of thioredoxin depend on S-nitrosylation at cysteine 69. <i>Nature Cell Biology</i> , 2002 , 4, 743-9	23.4	341
118	Nitric oxide inhibits caspase-3 by S-nitrosation in vivo. <i>Journal of Biological Chemistry</i> , 1999 , 274, 6823-6	5.4	333
117	Cyclophilin A is a secreted growth factor induced by oxidative stress. <i>Circulation Research</i> , 2000 , 87, 789-96	15.7	331
116	Aging enhances the sensitivity of endothelial cells toward apoptotic stimuli: important role of nitric oxide. <i>Circulation Research</i> , 2001 , 89, 709-15	15.7	314
115	Antioxidants inhibit nuclear export of telomerase reverse transcriptase and delay replicative senescence of endothelial cells. <i>Circulation Research</i> , 2004 , 94, 768-75	15.7	296
114	Dephosphorylation targets Bcl-2 for ubiquitin-dependent degradation: a link between the apoptosome and the proteasome pathway. <i>Journal of Experimental Medicine</i> , 1999 , 189, 1815-22	16.6	284
113	Posttranslational modification of Bcl-2 facilitates its proteasome-dependent degradation: molecular characterization of the involved signaling pathway. <i>Molecular and Cellular Biology</i> , 2000 , 20, 1886-96	4.8	279
112	Impaired CXCR4 signaling contributes to the reduced neovascularization capacity of endothelial progenitor cells from patients with coronary artery disease. <i>Circulation Research</i> , 2005 , 97, 1142-51	15.7	278
111	Shear stress inhibits apoptosis of human endothelial cells. <i>FEBS Letters</i> , 1996 , 399, 71-4	3.8	252
110	Physical exercise prevents cellular senescence in circulating leukocytes and in the vessel wall. <i>Circulation</i> , 2009 , 120, 2438-47	16.7	248
109	Cell-to-cell connection of endothelial progenitor cells with cardiac myocytes by nanotubes: a novel mechanism for cell fate changes?. <i>Circulation Research</i> , 2005 , 96, 1039-41	15.7	246
108	Oxidized low-density lipoprotein induces apoptosis of human endothelial cells by activation of CPP32-like proteases. A mechanistic clue to the Response to injury hypothesis. <i>Circulation</i> , 1997 , 95, 1760-3	16.7	242
107	Angiotensin II induces apoptosis of human endothelial cells. Protective effect of nitric oxide. <i>Circulation Research</i> , 1997 , 81, 970-6	15.7	240

106	Mitochondrial telomerase reverse transcriptase binds to and protects mitochondrial DNA and function from damage. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009 , 29, 929-35	9.4	216
105	Src and Cas mediate JNK activation but not ERK1/2 and p38 kinases by reactive oxygen species. <i>Journal of Biological Chemistry</i> , 2000 , 275, 11706-12	5.4	203
104	Statins enhance migratory capacity by upregulation of the telomere repeat-binding factor TRF2 in endothelial progenitor cells. <i>Circulation</i> , 2004 , 110, 3136-42	16.7	197
103	Thioredoxin: a key regulator of cardiovascular homeostasis. <i>Circulation Research</i> , 2003 , 93, 1029-33	15.7	195
102	Hydrogen peroxide triggers nuclear export of telomerase reverse transcriptase via Src kinase family-dependent phosphorylation of tyrosine 707. <i>Molecular and Cellular Biology</i> , 2003 , 23, 4598-610	4.8	188
101	p38 mitogen-activated protein kinase downregulates endothelial progenitor cells. <i>Circulation</i> , 2005 , 111, 1184-91	16.7	186
100	Antioxidant effects of statins via S-nitrosylation and activation of thioredoxin in endothelial cells: a novel vasculoprotective function of statins. <i>Circulation</i> , 2004 , 110, 856-61	16.7	179
99	Effects of physical exercise on myocardial telomere-regulating proteins, survival pathways, and apoptosis. <i>Journal of the American College of Cardiology</i> , 2008 , 52, 470-82	15.1	169
98	Receptor heterodimerization: essential mechanism for platelet-derived growth factor-induced epidermal growth factor receptor transactivation. <i>Molecular and Cellular Biology</i> , 2001 , 21, 6387-94	4.8	149
97	Sphingosine-1-phosphate stimulates the functional capacity of progenitor cells by activation of the CXCR4-dependent signaling pathway via the S1P3 receptor. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 275-82	9.4	146
96	Cyclosporin A inhibits apoptosis of human endothelial cells by preventing release of cytochrome C from mitochondria. <i>Circulation</i> , 1998 , 98, 1153-7	16.7	144
95	Epoxyeicosatrienoic acids regulate Trp channel dependent Ca ²⁺ signaling and hyperpolarization in endothelial cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 2612-8	9.4	143
94	Angiotensin II induces transactivation of two different populations of the platelet-derived growth factor beta receptor. Key role for the p66 adaptor protein Shc. <i>Journal of Biological Chemistry</i> , 2000 , 275, 15926-32	5.4	136
93	The hallmarks of fibroblast ageing. <i>Mechanisms of Ageing and Development</i> , 2014 , 138, 26-44	5.6	126
92	Dephosphorylation of endothelial nitric oxide synthase contributes to the anti-angiogenic effects of endostatin. <i>FASEB Journal</i> , 2002 , 16, 706-8	0.9	118
91	Regulation of telomerase activity and anti-apoptotic function by protein-protein interaction and phosphorylation. <i>FEBS Letters</i> , 2003 , 536, 180-6	3.8	115
90	Congestive heart failure induces endothelial cell apoptosis: protective role of carvedilol. <i>Journal of the American College of Cardiology</i> , 2000 , 36, 2081-9	15.1	114
89	Non-canonical Wnt signaling enhances differentiation of human circulating progenitor cells to cardiomyogenic cells. <i>Journal of Biological Chemistry</i> , 2005 , 280, 16838-42	5.4	109

88	Vitamin C and E prevent lipopolysaccharide-induced apoptosis in human endothelial cells by modulation of Bcl-2 and Bax. <i>European Journal of Pharmacology</i> , 1996 , 317, 407-11	5.3	108
87	Effects of granulocyte colony stimulating factor on functional activities of endothelial progenitor cells in patients with chronic ischemic heart disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006 , 26, 2238-43	9.4	105
86	Nitric oxide down-regulates MKP-3 mRNA levels: involvement in endothelial cell protection from apoptosis. <i>Journal of Biological Chemistry</i> , 2000 , 275, 25502-7	5.4	101
85	Gas6 inhibits apoptosis in vascular smooth muscle: role of Axl kinase and Akt. <i>Journal of Molecular and Cellular Cardiology</i> , 2004 , 37, 881-7	5.8	96
84	The role of near infrared radiation in photoaging of the skin. <i>Experimental Gerontology</i> , 2008 , 43, 629-632	4.5	94
83	Effects of redox-related congeners of NO on apoptosis and caspase-3 activity. <i>Nitric Oxide - Biology and Chemistry</i> , 1997 , 1, 282-93	5	89
82	The vascular NADPH oxidase subunit p47phox is involved in redox-mediated gene expression. <i>Free Radical Biology and Medicine</i> , 2002 , 32, 1116-22	7.8	83
81	MicroRNA-15b regulates mitochondrial ROS production and the senescence-associated secretory phenotype through sirtuin 4/SIRT4. <i>Aging</i> , 2016 , 8, 484-505	5.6	82
80	Redox modification of cell signaling in the cardiovascular system. <i>Journal of Molecular and Cellular Cardiology</i> , 2012 , 52, 550-8	5.8	77
79	GIT1 functions as a scaffold for MEK1-extracellular signal-regulated kinase 1 and 2 activation by angiotensin II and epidermal growth factor. <i>Molecular and Cellular Biology</i> , 2004 , 24, 875-85	4.8	77
78	GIT1 mediates Src-dependent activation of phospholipase Cgamma by angiotensin II and epidermal growth factor. <i>Journal of Biological Chemistry</i> , 2003 , 278, 49936-44	5.4	75
77	The role of junctional adhesion molecule-C (JAM-C) in oxidized LDL-mediated leukocyte recruitment. <i>FASEB Journal</i> , 2005 , 19, 2078-80	0.9	75
76	Low doses of reactive oxygen species protect endothelial cells from apoptosis by increasing thioredoxin-1 expression. <i>FEBS Letters</i> , 2004 , 577, 427-33	3.8	73
75	Changes of MMP-1 and collagen type Ialpha1 by UVA, UVB and IRA are differentially regulated by Trx-1. <i>Experimental Gerontology</i> , 2008 , 43, 633-637	4.5	70
74	TNFalpha and oxLDL reduce protein S-nitrosylation in endothelial cells. <i>Journal of Biological Chemistry</i> , 2001 , 276, 41383-7	5.4	68
73	Regulation of endothelial cell apoptosis in atherothrombosis. <i>Current Opinion in Lipidology</i> , 2002 , 13, 531-6	4.4	66
72	Nuclear redox signaling. <i>Antioxidants and Redox Signaling</i> , 2010 , 12, 713-42	8.4	65
71	Fluid shear stress attenuates hydrogen peroxide-induced c-Jun NH2-terminal kinase activation via a glutathione reductase-mediated mechanism. <i>Circulation Research</i> , 2002 , 91, 712-8	15.7	65

70	Nuclear protein tyrosine phosphatase Shp-2 is one important negative regulator of nuclear export of telomerase reverse transcriptase. <i>Journal of Biological Chemistry</i> , 2008 , 283, 33155-61	5.4	63
69	Cathepsin D and H ₂ O ₂ stimulate degradation of thioredoxin-1: implication for endothelial cell apoptosis. <i>Journal of Biological Chemistry</i> , 2005 , 280, 42945-51	5.4	61
68	GIT1 mediates thrombin signaling in endothelial cells: role in turnover of RhoA-type focal adhesions. <i>Circulation Research</i> , 2004 , 94, 1041-9	15.7	60
67	Telomere gap between granulocytes and lymphocytes is a determinant for hematopoietic progenitor cell impairment in patients with previous myocardial infarction. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008 , 28, 968-74	9.4	57
66	Inhibition of endogenous nitric oxide synthase potentiates ischemia-reperfusion-induced myocardial apoptosis via a caspase-3 dependent pathway. <i>Cardiovascular Research</i> , 2000 , 45, 671-8	9.9	56
65	Inhibition of the p38 MAP kinase in vivo improves number and functional activity of vasculogenic cells and reduces atherosclerotic disease progression. <i>Basic Research in Cardiology</i> , 2010 , 105, 389-97	11.8	54
64	Nuclear redox-signaling is essential for apoptosis inhibition in endothelial cells--important role for nuclear thioredoxin-1. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 2325-31	9.4	54
63	Shear stress increases the amount of S-nitrosylated molecules in endothelial cells: important role for signal transduction. <i>FEBS Letters</i> , 2003 , 551, 153-8	3.8	51
62	Inhibition of suicidal erythrocyte death by nitric oxide. <i>Pflugers Archiv European Journal of Physiology</i> , 2008 , 456, 293-305	4.6	50
61	Endotoxic shock leads to apoptosis in vivo and reduces Bcl-2. <i>Shock</i> , 1996 , 6, 405-9	3.4	49
60	Pioglitazone activates aortic telomerase and prevents stress-induced endothelial apoptosis. <i>Atherosclerosis</i> , 2011 , 216, 23-34	3.1	48
59	Thioredoxin-1 and endothelial cell aging: role in cardiovascular diseases. <i>Antioxidants and Redox Signaling</i> , 2009 , 11, 1733-40	8.4	48
58	Angiotensin II mediated signal transduction. Important role of tyrosine kinases. <i>Regulatory Peptides</i> , 2000 , 95, 1-7		48
57	Thioredoxin-1 and posttranslational modifications. <i>Antioxidants and Redox Signaling</i> , 2006 , 8, 1723-8	8.4	45
56	Caffeine enhances endothelial repair by an AMPK-dependent mechanism. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008 , 28, 1967-74	9.4	44
55	Hypoxic induction of the hypoxia-inducible factor is mediated via the adaptor protein Shc in endothelial cells. <i>Circulation Research</i> , 2002 , 91, 38-45	15.7	43
54	The third cytoplasmic loop of the angiotensin II type 1 receptor exerts differential effects on extracellular signal-regulated kinase (ERK1/ERK2) and apoptosis via Ras- and Rap1-dependent pathways. <i>Circulation Research</i> , 2000 , 86, 729-36	15.7	41
53	Measurement of endothelium-dependent vasodilation in mice--brief report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 2651-7	9.4	40

52	Nuclear Factor (Erythroid-Derived 2)-Like 2 and Thioredoxin-1 in Atherosclerosis and Ischemia/Reperfusion Injury in the Heart. <i>Antioxidants and Redox Signaling</i> , 2017 , 26, 630-644	8.4	39
51	The aryl hydrocarbon receptor promotes aging phenotypes across species. <i>Scientific Reports</i> , 2016 , 6, 19618	4.9	39
50	Carbon nanoparticles induce ceramide- and lipid raft-dependent signalling in lung epithelial cells: a target for a preventive strategy against environmentally-induced lung inflammation. <i>Particle and Fibre Toxicology</i> , 2012 , 9, 48	8.4	38
49	Nitric oxide and apoptosis. <i>Vitamins and Hormones</i> , 1999 , 57, 49-77	2.5	37
48	Downregulation of mitochondrial telomerase reverse transcriptase induced by H ₂ O ₂ is Src kinase dependent. <i>Experimental Gerontology</i> , 2010 , 45, 558-62	4.5	36
47	Unhealthy diet and ultrafine carbon black particles induce senescence and disease associated phenotypic changes. <i>Experimental Gerontology</i> , 2013 , 48, 8-16	4.5	35
46	Local Peroxynitrite Impairs Endothelial Transient Receptor Potential Vanilloid 4 Channels and Elevates Blood Pressure in Obesity. <i>Circulation</i> , 2020 , 141, 1318-1333	16.7	34
45	Differentiation of circulating endothelial progenitor cells to a cardiomyogenic phenotype depends on E-cadherin. <i>FEBS Letters</i> , 2005 , 579, 6060-6	3.8	34
44	Cellular functions of the dual-targeted catalytic subunit of telomerase, telomerase reverse transcriptase--potential role in senescence and aging. <i>Experimental Gerontology</i> , 2014 , 56, 189-93	4.5	33
43	p21Cip1 levels differentially regulate turnover of mature endothelial cells, endothelial progenitor cells, and in vivo neovascularization. <i>Circulation Research</i> , 2004 , 94, 686-92	15.7	31
42	Interacting with thioredoxin-1--disease or no disease?. <i>Antioxidants and Redox Signaling</i> , 2013 , 18, 1053-62	6.4	30
41	c-Src-mediated activation of Erk1/2 is a reaction of epithelial cells to carbon nanoparticle treatment and may be a target for a molecular preventive strategy. <i>Biological Chemistry</i> , 2010 , 391, 1327-32	4.5	29
40	Silver ion-induced suicidal erythrocyte death. <i>Journal of Applied Toxicology</i> , 2009 , 29, 531-6	4.1	28
39	Angiotensin II-induced upregulation of MAP kinase phosphatase-3 mRNA levels mediates endothelial cell apoptosis. <i>Basic Research in Cardiology</i> , 2002 , 97, 1-8	11.8	26
38	Non-canonical functions of Telomerase Reverse Transcriptase - Impact on redox homeostasis. <i>Redox Biology</i> , 2020 , 34, 101543	11.3	24
37	Wnt5a increases cardiac gene expressions of cultured human circulating progenitor cells via a PKC delta activation. <i>PLoS ONE</i> , 2009 , 4, e5765	3.7	23
36	Oxidative stress-induced degradation of thioredoxin-1 and apoptosis is inhibited by thioredoxin-1-actin interaction in endothelial cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 650-6	9.4	22
35	The Aryl Hydrocarbon Receptor (AhR) in the Aging Process: Another Puzzling Role for This Highly Conserved Transcription Factor. <i>Frontiers in Physiology</i> , 2019 , 10, 1561	4.6	22

34	Role of Telomerase in the Cardiovascular System. <i>Genes</i> , 2016 , 7,	4.2	19
33	Gene trapping identifies a putative tumor suppressor and a new inducer of cell migration. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 376, 748-52	3.4	18
32	Inseparably tied: functional and antioxidative capacity of endothelial progenitor cells. <i>Circulation Research</i> , 2006 , 98, 157-8	15.7	18
31	The imbalanced redox status in senescent endothelial cells is due to dysregulated Thioredoxin-1 and NADPH oxidase 4. <i>Experimental Gerontology</i> , 2014 , 56, 45-52	4.5	17
30	Nitric oxide and endothelial cell aging. <i>European Journal of Clinical Pharmacology</i> , 2006 , 62, 137-140	2.8	17
29	Increased Protein Tyrosine Phosphatase 1B (PTP1B) Activity and Cardiac Insulin Resistance Precede Mitochondrial and Contractile Dysfunction in Pressure-Overloaded Hearts. <i>Journal of the American Heart Association</i> , 2018 , 7,	6	16
28	Downregulation of ETS rescues diabetes-induced reduction of endothelial progenitor cells. <i>PLoS ONE</i> , 2009 , 4, e4529	3.7	16
27	Interventions to slow cardiovascular aging: Dietary restriction, drugs and novel molecules. <i>Experimental Gerontology</i> , 2018 , 109, 108-118	4.5	15
26	CDKN1B/p27 is localized in mitochondria and improves respiration-dependent processes in the cardiovascular system-New mode of action for caffeine. <i>PLoS Biology</i> , 2018 , 16, e2004408	9.7	15
25	Activation of the aryl hydrocarbon receptor by the widely used Src family kinase inhibitor 4-amino-5-(4-chlorophenyl)-7-(dimethylethyl)pyrazolo[3,4-d]pyrimidine (PP2). <i>Archives of Toxicology</i> , 2015 , 89, 1329-36	5.8	15
24	Molecular mechanisms involved in endothelial cell aging: role of telomerase reverse transcriptase. <i>Zeitschrift Fur Gerontologie Und Geriatrie</i> , 2007 , 40, 334-8	2.7	15
23	4-Methylumbelliferone improves the thermogenic capacity of brown adipose tissue. <i>Nature Metabolism</i> , 2019 , 1, 546-559	14.6	14
22	Two isoforms of Sister-Of-Mammalian Grainyhead have opposing functions in endothelial cells and in vivo. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, 1639-46	9.4	12
21	The transcription factor Grainyhead like 3 (GRHL3) affects endothelial cell apoptosis and migration in a NO-dependent manner. <i>Biochemical and Biophysical Research Communications</i> , 2011 , 412, 648-53	3.4	11
20	A new kid on the block: PKD1: a promising target for antiangiogenic therapy?. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008 , 28, 1689-90	9.4	11
19	Mouse cardiac mitochondria do not separate in subsarcolemmal and interfibrillar subpopulations. <i>Mitochondrion</i> , 2018 , 38, 1-5	4.9	9
18	Redox balance in the aged endothelium. <i>Zeitschrift Fur Gerontologie Und Geriatrie</i> , 2013 , 46, 635-8	2.7	9
17	Mitochondrial Telomerase Reverse Transcriptase Protects From Myocardial Ischemia/Reperfusion Injury by Improving Complex I Composition and Function. <i>Circulation</i> , 2021 , 144, 1876-1890	16.7	8

16	Telomerase as a Therapeutic Target in Cardiovascular Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , 41, 1047-1061	9.4	8
15	High Concentration of Low-Density Lipoprotein Results in Disturbances in Mitochondrial Transcription and Functionality in Endothelial Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 7976382	6.7	7
14	Protective Effects of Curcumin in Cardiovascular Diseases-Impact on Oxidative Stress and Mitochondria.. <i>Cells</i> , 2022 , 11,	7.9	7
13	"Shping 2" different cellular localizations - a potential new player in aging processes. <i>Aging</i> , 2009 , 1, 664-86	5.6	7
12	Well-known signaling proteins exert new functions in the nucleus and mitochondria. <i>Antioxidants and Redox Signaling</i> , 2010 , 13, 551-8	8.4	5
11	Critical regulators of endothelial cell functions: for a change being alternative. <i>Antioxidants and Redox Signaling</i> , 2015 , 22, 1212-29	8.4	4
10	The Anti-Apoptotic Properties of APEX1 in the Endothelium Require the First 20 Amino Acids and Converge on Thioredoxin-1. <i>Antioxidants and Redox Signaling</i> , 2017 , 26, 616-629	8.4	4
9	Intra- and Interorgan Communication in the Cardiovascular System: A Special View on Redox Regulation. <i>Antioxidants and Redox Signaling</i> , 2017 , 26, 613-615	8.4	2
8	Protective role of thioredoxin-1 in cardiovascular systems. <i>Signal Transduction</i> , 2005 , 5, 314-321		2
7	Flavanol Consumption in Healthy Men Preserves Integrity of Immunological-Endothelial Barrier Cell Functions: Nutri(epi)genomic Analysis.. <i>Molecular Nutrition and Food Research</i> , 2022 , e2100991	5.9	2
6	Induction of a senescent like phenotype and loss of gap junctional intercellular communication by carbon nanoparticle exposure of lung epithelial cells. <i>Experimental Gerontology</i> , 2019 , 117, 106-112	4.5	2
5	Non-Canonical Activation of the Epidermal Growth Factor Receptor by Carbon Nanoparticles. <i>Nanomaterials</i> , 2018 , 8,	5.4	2
4	Endothelial hyaluronan synthase 3 aggravates acute colitis in an experimental model of inflammatory bowel disease. <i>Matrix Biology</i> , 2021 , 102, 20-36	11.4	1
3	Aryl Hydrocarbon Receptor-Dependent and -Independent Pathways Mediate Curcumin Anti-Aging Effects.. <i>Antioxidants</i> , 2022 , 11,	7.1	1
2	Accessing Mitochondrial Protein Import in Living Cells by Protein Microinjection. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 698658	5.7	0
1	Molekularer Wirkmechanismus von Koffein entschlüsselt. <i>Biologie in Unserer Zeit</i> , 2019 , 49, 12-13	0.1	