Peter Brenneisen

List of Publications by Year
in descending order

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63	4,069	159585 30	138484 58
papers	citations	h-index	g-index

64	64	64	4554
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Carbon monoxide exposure activates ULK1 via AMPK phosphorylation in murine embryonic fibroblasts. International Journal for Vitamin and Nutrition Research, 2023, 93, 122-131.	1.5	1
2	The BH3 mimetic (Â±) gossypol induces ROS-independent apoptosis and mitochondrial dysfunction in human A375 melanoma cells in vitro. Archives of Toxicology, 2021, 95, 1349-1365.	4.2	13
3	Endogenous Carbon Monoxide Signaling Modulates Mitochondrial Function and Intracellular Glucose Utilization: Impact of the Heme Oxygenase Substrate Hemin. Antioxidants, 2020, 9, 652.	5.1	18
4	Ammonia inhibits energy metabolism in astrocytes in a rapid and glutamate dehydrogenase 2-dependent manner. DMM Disease Models and Mechanisms, 2020, 13, .	2.4	24
5	CNP mediated selective toxicity on melanoma cells is accompanied by mitochondrial dysfunction. PLoS ONE, 2020, 15, e0227926.	2.5	20
6	Effects of frequently applied carbon monoxide releasing molecules (CORMs) in typical CO-sensitive model systems â€“ A comparative in vitro study. Archives of Biochemistry and Biophysics, 2020, 687, 108383.	3.0	25
7	In vitro selective cytotoxicity of the dietary chalcone cardamonin (CD) on melanoma compared to healthy cells is mediated by apoptosis. PLoS ONE, 2019, 14, e0222267.	2.5	19
8	Carbon monoxide releasing molecule 401 (CORM-401) modulates phase I metabolism of xenobiotics. Toxicology in Vitro, 2019, 59, 215-220.	2.4	5
9	Nanotherapy and Reactive Oxygen Species (ROS) in Cancer: A Novel Perspective. Antioxidants, 2018, 7, 31.	5.1	75
10	The BH3 mimetic compound BH3I-1 impairs mitochondrial dynamics and promotes stress response in addition to its pro-apoptotic key function. Toxicology Letters, 2018, 295, 369-378.	0.8	6
11	<scp>UVA</scp>â€1 exposure in vivo leads to an <scp>IL</scp>â€6 surge within the skin. Experimental Dermatology, 2017, 26, 830-832.	2.9	23
12	Efficacy of Different Compositions of Cerium Oxide Nanoparticles in Tumor-Stroma Interaction. Journal of Biomedical Nanotechnology, 2017, 13, 1735-1746.	1.1	22
13	A threeâ€dimensional skin equivalent reflecting some aspects of in vivo aged skin. Experimental Dermatology, 2016, 25, 56-61.	2.9	41
14	Effect of Fe₃O₄Nanoparticles on Skin Tumor Cells and Dermal Fibroblasts. BioMed Research International, 2015, 2015, 1-11.	1.9	18
15	Redox-active cerium oxide nanoparticles protect human dermal fibroblasts from PQ-induced damage. Redox Biology, 2015, 4, 1-5.	9.0	37
16	Fibroblast-to-myofibroblast switch is mediated by NAD(P)H oxidase generated reactive oxygen species. Bioscience Reports, 2014, 34, .	2.4	22
17	Combination of Conventional Chemotherapeutics with Redox-Active Cerium Oxide Nanoparticlesâ€”A Novel Aspect in Cancer Therapy. Molecular Cancer Therapeutics, 2014, 13, 1740-1749.	4.1	127
18	A drug-induced accelerated senescence (DIAS) is a possibility to study aging in time lapse. Age, 2014, 36, 9658.	3.0	11

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19	Downregulation of Tumor Growth and Invasion by Redox-Active Nanoparticles. Antioxidants and Redox Signaling, 2013, 19, 765-778.	5.4	167
20	Combined cytotoxic and anti-invasive properties of redox-active nanoparticles in tumorâ€“stroma interactions. Biomaterials, 2011, 32, 2918-2929.	11.4	208
21	Abstract C42: Suppression of tumor invasion by inorganic nanoparticles. , 2009, , .		1
22	Stromal resistance of fibroblasts against oxidative damage: involvement of tumor cell-secreted platelet-derived growth factor (PDGF) and phosphoinositide 3-kinase (PI3K) activation. Carcinogenesis, 2008, 29, 404-410.	2.8	14
23	Post-translational processing of selenoprotein P: implications of glycosylation for its utilisation by target cells. Biological Chemistry, 2007, 388, 1043-1051.	2.5	20
24	Selenoprotein P protects endothelial cells from oxidative damage by stimulation of glutathione peroxidase expression and activity. Free Radical Research, 2006, 40, 936-943.	3.3	113
25	Adaptive cellular protection against UVA-1-induced lipid peroxidation in human dermal fibroblasts shows donor-to-donor variability and is glutathione dependent. Archives of Dermatological Research, 2006, 297, 324-328.	1.9	18
26	Involvement of selenoprotein P in protection of human astrocytes from oxidative damage. Free Radical Biology and Medicine, 2006, 40, 1513-1523.	2.9	147
27	Enhancement of tumor invasion depends on transdifferentiation of skin fibroblasts mediated by reactive oxygen species. Journal of Cell Science, 2006, 119, 2727-2738.	2.0	106
28	Tumor promoter TPA stimulates MMP-9 secretion from human keratinocytes by activation of superoxide-producing NADPH oxidase. Free Radical Research, 2005, 39, 245-253.	3.3	32
29	Selenium, oxidative stress, and health aspects. Molecular Aspects of Medicine, 2005, 26, 256-267.	6.4	237
30	Loss of the tyrosyl radical in mouse ribonucleotide reductase by (â˜)-epicatechin. Biochemical and Biophysical Research Communications, 2005, 326, 614-617.	2.1	4
31	Overexpression of Phospholipid-hydroperoxide Glutathione Peroxidase in Human Dermal Fibroblasts Abrogates UVA Irradiation-induced Expression of Interstitial Collagenase/Matrix Metalloproteinase-1 by Suppression of Phosphatidylcholine Hydroperoxide-mediated NFÎºB Activation and Interleukin-6 Release. Journal of Biological Chemistry, 2004, 279, 45634-45642.	3.4	65
32	Induction of MMP-10 and MMP-1 in a squamous cell carcinoma cell line by ultraviolet radiation. Biological Chemistry, 2004, 385, 75-86.	2.5	34
33	Paracrine effect of TGF-Î²1 on downregulation of gap junctional intercellular communication between human dermal fibroblasts. Biochemical and Biophysical Research Communications, 2004, 319, 321-326.	2.1	19
34	Thioredoxin secreted upon ultraviolet A irradiation modulates activities of matrix metalloproteinase-2 and tissue inhibitor of metalloproteinase-2 in human dermal fibroblasts. Archives of Biochemistry and Biophysics, 2004, 423, 218-226.	3.0	48
35	UVA-mediated downregulation of MMP-2 and MMP-9 in human epidermal keratinocytes. Biochemical and Biophysical Research Communications, 2003, 308, 486-491.	2.1	52
36	Modulation of homologous gap junctional intercellular communication of human dermal fibroblasts via a paracrine factor(s) generated by squamous tumor cells. Carcinogenesis, 2003, 24, 1737-1748.	2.8	17

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37	Essential role of an activator protein-2 (AP-2)/specificity protein 1 (Sp1) cluster in the UVB-mediated induction of the human vascular endothelial growth factor in HaCaT keratinocytes. Biochemical Journal, 2003, 369, 341-349.	3.7	19
38	Induction of Manganese Superoxide Dismutase in Human Dermal Fibroblasts. Archives of Dermatology, 2002, 138, 1473-9.	1.4	37
39	Activation of protein kinase CK2 is an early step in the ultraviolet B-mediated increase in interstitial collagenase (matrix metalloproteinase-1; MMP-1) and stromelysin-1 (MMP-3) protein levels in human dermal fibroblasts. Biochemical Journal, 2002, 365, 31-40.	3.7	43
40	Human Dermal Fibroblasts Escape from the Long-Term Phenocopy of Senescence Induced by Psoralen Photoactivation. Experimental Cell Research, 2002, 274, 299-309.	2.6	13
41	Ultravioletâ€B Irradiation and Matrix Metalloproteinases. Annals of the New York Academy of Sciences, 2002, 973, 31-43.	3.8	390
42	The negative effects of solar and artificial irradiation: photoaging of the skin, its clinical appearance and underlying mechanisms. Comprehensive Series in Photosciences, 2001, 3, 115-130.	0.3	4
43	Selective Pick-Up of Increased Iron by Deferoxamine-Coupled Cellulose Abrogates the Iron-Driven Induction of Matrix-Degrading Metalloproteinase 1 and Lipid Peroxidation in Human Dermal Fibroblasts In Vitro: A New Dressing Concept. Journal of Investigative Dermatology, 2001, 116, 833-839.	0.7	94
44	Adaptive antioxidant response protects dermal fibroblasts from UVA-induced phototoxicity. Free Radical Biology and Medicine, 2001, 30, 238-247.	2.9	84
45	Isolation and Identification of Psoralen plus Ultraviolet A (PUVA)-Induced Genes in Human Dermal Fibroblasts by Polymerase Chain Reaction-Based Subtractive Hybridization. Journal of Investigative Dermatology, 2000, 115, 909-913.	0.7	16
46	Photoaging of the skin from phenotype to mechanisms. Experimental Gerontology, 2000, 35, 307-316.	2.8	407
47	Activation of p70 Ribosomal Protein S6 Kinase Is an Essential Step in the DNA Damage-dependent Signaling Pathway Responsible for the Ultraviolet B-mediated Increase in Interstitial Collagenase (MMP-1) and Stromelysin-1 (MMP-3) Protein Levels in Human Dermal Fibroblasts. Journal of Biological Chemistry, 2000, 275, 4336-4344.	3.4	87
48	The first peak of the UVB irradiation-dependent biphasic induction of vascular endothelial growth factor (VEGF) is due to phosphorylation of the epidermal growth factor receptor and independent of autocrine transforming growth factor Î±. FEBS Letters, 2000, 474, 195-200.	2.8	27
49	Stable Overexpression of Manganese Superoxide Dismutase in Mitochondria Identifies Hydrogen Peroxide as a Major Oxidant in the AP-1-mediated Induction of Matrix-degrading Metalloprotease-1. Journal of Biological Chemistry, 1999, 274, 25869-25876.	3.4	204
50	Adaptive Antioxidant Response of Manganese-Superoxide Dismutase Following Repetitive UVA Irradiation. Journal of Investigative Dermatology, 1999, 112, 13-18.	0.7	105
51	A newly adapted pulsed-field gel electrophoresis technique allows to detect distinct types of DNA damage at low frequencies in human dermal fibroblasts upon exposure to non-toxic H2O2concentrations. Free Radical Research, 1999, 31, 405-418.	3.3	0
52	Ultraviolet-B induction of interstitial collagenase and stromelyin-1 occurs in human dermal fibroblasts via an autocrine interleukin-6-dependent loop. FEBS Letters, 1999, 449, 36-40.	2.8	42
53	Central Role of Ferrous/Ferric Iron in the Ultraviolet B Irradiation-mediated Signaling Pathway Leading to Increased Interstitial Collagenase (Matrix-degrading Metalloprotease (MMP)-1) and Stromelysin-1 (MMP-3) mRNA Levels in Cultured Human Dermal Fibroblasts. Journal of Biological Chemistry, 1998, 273, 5279-5287.	3.4	204
54	Singlet oxygen is an early intermediate in cytokine-dependent ultraviolet-A induction of interstitial collagenase in human dermal fibroblasts in vitro. FEBS Letters, 1997, 413, 239-242.	2.8	119

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55	Hydrogen peroxide (H2O2) Increases the Steady-State mRNA Levels of Collagenase/MMP-1 in Human dermal Fibroblasts. Free Radical Biology and Medicine, 1997, 22, 515-524.	2.9	188
56	Ultraviolet B Wavelength Dependence for the Regulation of Two Major Matrixâ€Metalloproteinases and Their Inhibitor TIMPâ€1 in Human Dermal Fibroblasts. Photochemistry and Photobiology, 1996, 64, 877-885.	2.5	68
57	Ultraviolet B Wavelength Dependence for the Regulation of Two Major Matrixâ€Metalloproteinases and Their Inhibitor TIMPâ€1 in Human Dermal Fibroblasts. Photochemistry and Photobiology, 1996, 64, 649-657.	2.5	52
58	Î±-Melanocyte Stimulating Hormone Induces Collagenase/Matrix Metalloproteinase-1 in Human Dermal Fibroblasts. Biological Chemistry Hoppe-Seyler, 1995, 376, 425-430.	1.4	34
59	DNA Synthesis and Fos and Jun Protein Expression in Mitotic and Postmitotic WI-38 Fibroblasts in Vitro. Experimental Cell Research, 1994, 211, 219-230.	2.6	22
60	Molecular mechanisms underlying disruption of gap junctional intercellular communication in tumor cells. , 0, 2005, .		0
61	Protective function of Selenoprotein P in human astrocytes. , 0, 2005, .		0
62	Reactive oxygen species-dependent transdifferentiation of skin fibroblasts enhances invasive capacity of tumor cells. , 0, 2005, .		0
63	Selenoprotein P protects human astrocytes from oxidative cell death. , 0, 2006, .		0