

# Peter Brenneisen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8810884/publications.pdf>

Version: 2024-02-01

63  
papers

4,069  
citations

159585

30  
h-index

138484

58  
g-index

64  
all docs

64  
docs citations

64  
times ranked

4554  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoaging of the skin from phenotype to mechanisms. <i>Experimental Gerontology</i> , 2000, 35, 307-316.	2.8	407
2	Ultraviolet-B Irradiation and Matrix Metalloproteinases. <i>Annals of the New York Academy of Sciences</i> , 2002, 973, 31-43.	3.8	390
3	Selenium, oxidative stress, and health aspects. <i>Molecular Aspects of Medicine</i> , 2005, 26, 256-267.	6.4	237
4	Combined cytotoxic and anti-invasive properties of redox-active nanoparticles in tumor-stroma interactions. <i>Biomaterials</i> , 2011, 32, 2918-2929.	11.4	208
5	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. <i>Journal of Biological Chemistry</i> , 1998, 273, 5279-5287.	3.4	204
6	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. <i>Journal of Biological Chemistry</i> , 1999, 274, 25869-25876.	3.4	204
7	Hydrogen peroxide (H <sub>2</sub> O <sub>2</sub> ) Increases the Steady-State mRNA Levels of Collagenase/MMP-1 in Human dermal Fibroblasts. <i>Free Radical Biology and Medicine</i> , 1997, 22, 515-524.	2.9	188
8	Downregulation of Tumor Growth and Invasion by Redox-Active Nanoparticles. <i>Antioxidants and Redox Signaling</i> , 2013, 19, 765-778.	5.4	167
9	Involvement of selenoprotein P in protection of human astrocytes from oxidative damage. <i>Free Radical Biology and Medicine</i> , 2006, 40, 1513-1523.	2.9	147
10	Combination of Conventional Chemotherapeutics with Redox-Active Cerium Oxide Nanoparticles—A Novel Aspect in Cancer Therapy. <i>Molecular Cancer Therapeutics</i> , 2014, 13, 1740-1749.	4.1	127
11	Singlet oxygen is an early intermediate in cytokine-dependent ultraviolet-A induction of interstitial collagenase in human dermal fibroblasts in vitro. <i>FEBS Letters</i> , 1997, 413, 239-242.	2.8	119
12	Selenoprotein P protects endothelial cells from oxidative damage by stimulation of glutathione peroxidase expression and activity. <i>Free Radical Research</i> , 2006, 40, 936-943.	3.3	113
13	Enhancement of tumor invasion depends on transdifferentiation of skin fibroblasts mediated by reactive oxygen species. <i>Journal of Cell Science</i> , 2006, 119, 2727-2738.	2.0	106
14	Adaptive Antioxidant Response of Manganese-Superoxide Dismutase Following Repetitive UVA Irradiation. <i>Journal of Investigative Dermatology</i> , 1999, 112, 13-18.	0.7	105
15	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. <i>Journal of Investigative Dermatology</i> , 2001, 116, 833-839.	0.7	94
16	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. <i>Journal of Biological Chemistry</i> , 2000, 275, 4336-4344.	3.4	87
17	Adaptive antioxidant response protects dermal fibroblasts from UVA-induced phototoxicity. <i>Free Radical Biology and Medicine</i> , 2001, 30, 238-247.	2.9	84
18	Nanotherapy and Reactive Oxygen Species (ROS) in Cancer: A Novel Perspective. <i>Antioxidants</i> , 2018, 7, 31.	5.1	75

#	ARTICLE	IF	CITATIONS
19	Ultraviolet B Wavelength Dependence for the Regulation of Two Major Matrixâ€Metalloproteinases and Their Inhibitor TIMPâ€1 in Human Dermal Fibroblasts. <i>Photochemistry and Photobiology</i> , 1996, 64, 877-885.	2.5	68
20	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 NFÎB Activation and Interleukin-6 Release. <i>Journal of Biological Chemistry</i> , 2004, 279, 45634-45642.	3.4	65
21	Ultraviolet B Wavelength Dependence for the Regulation of Two Major Matrixâ€Metalloproteinases and Their Inhibitor TIMPâ€1 in Human Dermal Fibroblasts. <i>Photochemistry and Photobiology</i> , 1996, 64, 649-657.	2.5	52
22	UVA-mediated downregulation of MMP-2 and MMP-9 in human epidermal keratinocytes. <i>Biochemical and Biophysical Research Communications</i> , 2003, 308, 486-491.	2.1	52
23	Thioredoxin secreted upon ultraviolet A irradiation modulates activities of matrix metalloproteinase-2 and tissue inhibitor of metalloproteinase-2 in human dermal fibroblasts. <i>Archives of Biochemistry and Biophysics</i> , 2004, 423, 218-226.	3.0	48
24	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. <i>Biochemical Journal</i> , 2002, 365, 31-40.	3.7	43
25	Ultraviolet-B induction of interstitial collagenase and stromelysin-1 occurs in human dermal fibroblasts via an autocrine interleukin-6-dependent loop. <i>FEBS Letters</i> , 1999, 449, 36-40.	2.8	42
26	A threeâ€dimensional skin equivalent reflecting some aspects of <i>in vivo</i> aged skin. <i>Experimental Dermatology</i> , 2016, 25, 56-61.	2.9	41
27	Induction of Manganese Superoxide Dismutase in Human Dermal Fibroblasts. <i>Archives of Dermatology</i> , 2002, 138, 1473-9.	1.4	37
28	Redox-active cerium oxide nanoparticles protect human dermal fibroblasts from PQ-induced damage. <i>Redox Biology</i> , 2015, 4, 1-5.	9.0	37
29	Î±-Melanocyte Stimulating Hormone Induces Collagenase/Matrix Metalloproteinase-1 in Human Dermal Fibroblasts. <i>Biological Chemistry Hoppe-Seyler</i> , 1995, 376, 425-430.	1.4	34
30	Induction of MMP-10 and MMP-1 in a squamous cell carcinoma cell line by ultraviolet radiation. <i>Biological Chemistry</i> , 2004, 385, 75-86.	2.5	34
31	Tumor promoter TPA stimulates MMP-9 secretion from human keratinocytes by activation of superoxide-producing NADPH oxidase. <i>Free Radical Research</i> , 2005, 39, 245-253.	3.3	32
32	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±. <i>FEBS Letters</i> , 2000, 474, 195-200.	2.8	27
33	Effects of frequently applied carbon monoxide releasing molecules (CORMs) in typical CO-sensitive model systems â€ A comparative in vitro study. <i>Archives of Biochemistry and Biophysics</i> , 2020, 687, 108383.	3.0	25
34	Ammonia inhibits energy metabolism in astrocytes in a rapid and glutamate dehydrogenase 2-dependent manner. <i>DMM Disease Models and Mechanisms</i> , 2020, 13, .	2.4	24
35	<sc>UVA</sc>â€1 exposure in vivo leads to an <sc>IL</sc>â€6 surge within the skin. <i>Experimental Dermatology</i> , 2017, 26, 830-832.	2.9	23
36	DNA Synthesis and Fos and Jun Protein Expression in Mitotic and Postmitotic WI-38 Fibroblasts in Vitro. <i>Experimental Cell Research</i> , 1994, 211, 219-230.	2.6	22

#	ARTICLE	IF	CITATIONS
37	Fibroblast-to-myofibroblast switch is mediated by NAD(P)H oxidase generated reactive oxygen species. <i>Bioscience Reports</i> , 2014, 34, .	2.4	22
38	Efficacy of Different Compositions of Cerium Oxide Nanoparticles in Tumor-Stroma Interaction. <i>Journal of Biomedical Nanotechnology</i> , 2017, 13, 1735-1746.	1.1	22
39	Post-translational processing of selenoprotein P: implications of glycosylation for its utilisation by target cells. <i>Biological Chemistry</i> , 2007, 388, 1043-1051.	2.5	20
40	CNP mediated selective toxicity on melanoma cells is accompanied by mitochondrial dysfunction. <i>PLoS ONE</i> , 2020, 15, e0227926.	2.5	20
41	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. <i>Biochemical Journal</i> , 2003, 369, 341-349.	3.7	19
42	Paracrine effect of TGF- $\beta$ 1 on downregulation of gap junctional intercellular communication between human dermal fibroblasts. <i>Biochemical and Biophysical Research Communications</i> , 2004, 319, 321-326.	2.1	19
43	In vitro selective cytotoxicity of the dietary chalcone cardamomin (CD) on melanoma compared to healthy cells is mediated by apoptosis. <i>PLoS ONE</i> , 2019, 14, e0222267.	2.5	19
44	Adaptive cellular protection against UVA-1-induced lipid peroxidation in human dermal fibroblasts shows donor-to-donor variability and is glutathione dependent. <i>Archives of Dermatological Research</i> , 2006, 297, 324-328.	1.9	18
45	Effect of Fe <sub>3</sub> O <sub>4</sub> Nanoparticles on Skin Tumor Cells and Dermal Fibroblasts. <i>BioMed Research International</i> , 2015, 2015, 1-11.	1.9	18
46	Endogenous Carbon Monoxide Signaling Modulates Mitochondrial Function and Intracellular Glucose Utilization: Impact of the Heme Oxygenase Substrate Hemin. <i>Antioxidants</i> , 2020, 9, 652.	5.1	18
47	Modulation of homologous gap junctional intercellular communication of human dermal fibroblasts via a paracrine factor(s) generated by squamous tumor cells. <i>Carcinogenesis</i> , 2003, 24, 1737-1748.	2.8	17
48	Isolation and Identification of Psoralen plus Ultraviolet A (PUVA)-Induced Genes in Human Dermal Fibroblasts by Polymerase Chain Reaction-Based Subtractive Hybridization. <i>Journal of Investigative Dermatology</i> , 2000, 115, 909-913.	0.7	16
49	Stromal resistance of fibroblasts against oxidative damage: involvement of tumor cell-secreted platelet-derived growth factor (PDGF) and phosphoinositide 3-kinase (PI3K) activation. <i>Carcinogenesis</i> , 2008, 29, 404-410.	2.8	14
50	Human Dermal Fibroblasts Escape from the Long-Term Phenocopy of Senescence Induced by Psoralen Photoactivation. <i>Experimental Cell Research</i> , 2002, 274, 299-309.	2.6	13
51	The BH3 mimetic ( $\hat{\pm}$ ) gossypol induces ROS-independent apoptosis and mitochondrial dysfunction in human A375 melanoma cells in vitro. <i>Archives of Toxicology</i> , 2021, 95, 1349-1365.	4.2	13
52	A drug-induced accelerated senescence (DIAS) is a possibility to study aging in time lapse. <i>Age</i> , 2014, 36, 9658.	3.0	11
53	The BH3 mimetic compound BH3I-1 impairs mitochondrial dynamics and promotes stress response in addition to its pro-apoptotic key function. <i>Toxicology Letters</i> , 2018, 295, 369-378.	0.8	6
54	Carbon monoxide releasing molecule 401 (CORM-401) modulates phase I metabolism of xenobiotics. <i>Toxicology in Vitro</i> , 2019, 59, 215-220.	2.4	5

#	ARTICLE	IF	CITATIONS
55	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
56	Loss of the tyrosyl radical in mouse ribonucleotide reductase by (âˆ™)-epicatechin. Biochemical and Biophysical Research Communications, 2005, 326, 614-617.	2.1	4
57	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
58	Abstract C42: Suppression of tumor invasion by inorganic nanoparticles. , 2009, , .		1
59	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 H2O2 concentrations. Free Radical Research, 1999, 31, 405-418.	3.3	0
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