

Yasukazu Saitoh

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57
papers

912
citations

18
h-index

27
g-index

57
ext. papers

987
ext. citations

4.1
avg, IF

4.12
L-index

#	Paper	IF	Citations
57	Super-highly hydroxylated fullerene derivative protects human keratinocytes from UV-induced cell injuries together with the decreases in intracellular ROS generation and DNA damages. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2011 , 102, 69-76	6.7	62
56	Highly hydroxylated or gamma-cyclodextrin-bicapped water-soluble derivative of fullerene: the antioxidant ability assessed by electron spin resonance method and beta-carotene bleaching assay. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 5293-6	2.9	55
55	Clinical evaluation of fullerene-C60 dissolved in squalane for anti-wrinkle cosmetics. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 6769-74	1.3	45
54	Hydrogen-rich electrolyzed warm water represses wrinkle formation against UVA ray together with type-I collagen production and oxidative-stress diminishment in fibroblasts and cell-injury prevention in keratinocytes. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012 , 106, 24-33	6.7	41
53	Biological safety of neutral-pH hydrogen-enriched electrolyzed water upon mutagenicity, genotoxicity and subchronic oral toxicity. <i>Toxicology and Industrial Health</i> , 2010 , 26, 203-16	1.8	38
52	Safety evaluation of highly purified fullerenes (HPFs): based on screening of eye and skin damage. <i>Journal of Toxicological Sciences</i> , 2009 , 34, 555-62	1.9	38
51	Highly hydroxylated fullerene localizes at the cytoskeleton and inhibits oxidative stress in adipocytes and a subcutaneous adipose-tissue equivalent. <i>Free Radical Biology and Medicine</i> , 2011 , 51, 1376-89	7.8	36
50	Defensive effects of fullerene-C60/liposome complex against UVA-induced intracellular reactive oxygen species generation and cell death in human skin keratinocytes HaCaT, associated with intracellular uptake and extracellular excretion of fullerene-C60. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2010 , 98, 144-51	6.7	33
49	Neutral pH hydrogen-enriched electrolyzed water achieves tumor-preferential clonal growth inhibition over normal cells and tumor invasion inhibition concurrently with intracellular oxidant repression. <i>Oncology Research</i> , 2008 , 17, 247-55	4.8	33
48	Biological safety of LipoFullerene composed of squalane and fullerene-C60 upon mutagenesis, photocytotoxicity, and permeability into the human skin tissue. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2009 , 104, 483-7	3.1	31
47	Antitumor effects of nano-bubble hydrogen-dissolved water are enhanced by coexistent platinum colloid and the combined hyperthermia with apoptosis-like cell death. <i>Oncology Reports</i> , 2010 , 24, 1463-70	3.5	31
46	Novel polyhydroxylated fullerene suppresses intracellular oxidative stress together with repression of intracellular lipid accumulation during the differentiation of OP9 preadipocytes into adipocytes. <i>Free Radical Research</i> , 2010 , 44, 1072-81	4	29
45	The effect of squalane-dissolved fullerene-C60 on adipogenesis-accompanied oxidative stress and macrophage activation in a preadipocyte-monocyte co-culture system. <i>Biomaterials</i> , 2010 , 31, 5976-85	15.6	28
44	Anticancer effects of fullerene [C60] included in polyethylene glycol combined with visible light irradiation through ROS generation and DNA fragmentation on fibrosarcoma cells with scarce cytotoxicity to normal fibroblasts. <i>Oncology Research</i> , 2011 , 19, 203-16	4.8	27
43	Fullerene-C60/liposome complex: Defensive effects against UVA-induced damages in skin structure, nucleus and collagen type I/IV fibrils, and the permeability into human skin tissue. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2010 , 98, 99-105	6.7	25
42	Anti-apoptotic defense of bcl-2 gene against hydroperoxide-induced cytotoxicity together with suppressed lipid peroxidation, enhanced ascorbate uptake, and upregulated Bcl-2 protein. <i>Journal of Cellular Biochemistry</i> , 2003 , 89, 321-34	4.7	24
41	Polyhydroxylated fullerene C(OH) ₂ suppresses intracellular lipid accumulation together with repression of intracellular superoxide anion radicals and subsequent PPAR α expression during spontaneous differentiation of OP9 preadipocytes into adipocytes. <i>Molecular and Cellular Biochemistry</i> , 2012 , 366, 191-200	4.2	22

40	Photodynamic anti-cancer effects of fullerene [C ₆₀]-PEG complex on fibrosarcomas preferentially over normal fibroblasts in terms of fullerene uptake and cytotoxicity. <i>Molecular and Cellular Biochemistry</i> , 2014 , 390, 175-84	4.2	21
39	Bcl-2 prevents hypoxia/reoxygenation-induced cell death through suppressed generation of reactive oxygen species and upregulation of Bcl-2 proteins. <i>Journal of Cellular Biochemistry</i> , 2003 , 90, 914-24	4.7	18
38	Colloidal platinum in hydrogen-rich water exhibits radical-scavenging activity and improves blood fluidity. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 4019-27	1.3	17
37	Oleic acid promotes adaptability against oxidative stress in 3T3-L1 cells through lipohormesis. <i>Molecular and Cellular Biochemistry</i> , 2014 , 386, 73-83	4.2	16
36	Fullerene-C60 incorporated in liposome exerts persistent hydroxyl radical-scavenging activity and cytoprotection in UVA/B-irradiated keratinocytes. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 3814-23	1.3	16
35	Anticancer effects of 6-o-palmitoyl-ascorbate combined with a capacitive-resistive electric transfer hyperthermic apparatus as compared with ascorbate in relation to ascorbyl radical generation. <i>Cytotechnology</i> , 2011 , 63, 425-35	2.2	15
34	Cytoprotective effects of the lipoidic-liquiform pro-vitamin C tetra-isopalmitoyl-ascorbate (VC-IP) against ultraviolet-A ray-induced injuries in human skin cells together with collagen retention, MMP inhibition and p53 gene repression. <i>Journal of Cellular Biochemistry</i> , 2009 , 106, 589-98	4.7	15
33	Moderately controlled transport of ascorbate into aortic endothelial cells against slowdown of the cell cycle, decreasing of the concentration or increasing of coexistent glucose as compared with dehydroascorbate. <i>Molecular and Cellular Biochemistry</i> , 1997 , 173, 43-50	4.2	13
32	Carcinostatic effects of platinum nanocolloid combined with gamma irradiation on human esophageal squamous cell carcinoma. <i>Life Sciences</i> , 2015 , 127, 106-14	6.8	12
31	Fish collagen-containing drink is subcutaneously absorbed and attenuates the UVA-induced tissue-integrity destruction and DNA damages in 3D-human skin tissue model. <i>Journal of Functional Foods</i> , 2011 , 3, 50-55	5.1	12
30	Senescence-induced increases in intracellular oxidative stress and enhancement of the need for ascorbic acid in human fibroblasts. <i>Molecular and Cellular Biochemistry</i> , 2013 , 380, 129-41	4.2	11
29	Repressive effects of a capacitive-resistive electric transfer (CRet) hyperthermic apparatus combined with provitamin C on intracellular lipid-droplets formation in adipocytes. <i>International Journal of Hyperthermia</i> , 2013 , 29, 30-7	3.7	10
28	Carcinostatic effects of diverse ascorbate derivatives in comparison with aliphatic chain moiety structures: Promotion by combined hyperthermia and reduced cytotoxicity to normal cells. <i>Oncology Letters</i> , 2012 , 3, 1042-1046	2.6	10
27	Fullerene-polyvinylpyrrolidone clathrate localizes in the cytoplasm to prevent Ultraviolet-A ray-induced DNA-fragmentation and activation of the transcriptional factor NF-kappaB. <i>Journal of Cellular Biochemistry</i> , 2010 , 111, 955-66	4.7	10
26	Defensive effects of fullerene-C60 dissolved in squalane against the 2,4-nonadienal-induced cell injury in human skin keratinocytes HaCaT and wrinkle formation in 3D-human skin tissue model. <i>Journal of Biomedical Nanotechnology</i> , 2010 , 6, 52-8	4	10
25	Effects of hydrogen-rich water bath on visceral fat and skin blotch, with boiling-resistant hydrogen bubbles. <i>Medical Gas Research</i> , 2019 , 9, 68-73	2.2	10
24	High-dose ascorbic acid induces carcinostatic effects through hydrogen peroxide and superoxide anion radical generation-induced cell death and growth arrest in human tongue carcinoma cells. <i>Free Radical Research</i> , 2017 , 51, 684-692	4	9
23	Fullerene-C60 derivatives prevent UV-irradiation/ TiO ₂ -induced cytotoxicity on keratinocytes and 3D-skin tissues through antioxidant actions. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 3285-91	1.3	9

22	Inhibitions by hydrogen-occluding silica microcluster to melanogenesis in human pigment cells and tyrosinase reaction. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 52-9	1.3	9
21	Transient generation of hydrogen peroxide is responsible for carcinostatic effects of hydrogen combined with platinum nanocolloid, together with increases intracellular ROS, DNA cleavages, and proportion of G2/M-phase. <i>Free Radical Research</i> , 2016 , 50, 385-95	4	8
20	Protective effects of polyvinylpyrrolidone-wrapped fullerene against intermittent ultraviolet-A irradiation-induced cell injury in HaCaT cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016 , 163, 22-9	6.7	6
19	Effects of Platinum Nanocolloid in Combination with Gamma Irradiation on Normal Human Esophageal Epithelial Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 5345-52	1.3	5
18	Cytoprotection of vascular endotheliocytes by phosphorylated ascorbate through suppression of oxidative stress that is generated immediately after post-anoxic reoxygenation or with alkylhydroperoxides. <i>Journal of Cellular Biochemistry</i> , 2004 , 93, 653-63	4.7	5
17	Electrolytically generated hydrogen warm water cleanses the keratin-plug-clogged hair-pores and promotes the capillary blood-streams, more markedly than normal warm water does. <i>Medical Gas Research</i> , 2018 , 8, 12-18	2.2	5
16	Antitumor and anti-invasive effects of diverse musk-fragrant macrocyclic ketones and their enhancement by hyperthermia. <i>Molecular Medicine Reports</i> , 2012 , 5, 148-52	2.9	4
15	alpha-tocopheryl phosphate suppresses tumor invasion concurrently with dynamic morphological changes and delocalization of cortactin from invadopodia. <i>International Journal of Oncology</i> , 2009 , 35, 1277-88	4.4	4
14	Fucoidan-Vitamin C complex suppresses tumor invasion through the basement membrane, with scarce injuries to normal or tumor cells, via decreases in oxidative stress and matrix metalloproteinases. <i>International Journal of Oncology</i> , 2009 , 35, 1183-9	4.4	4
13	Suppressive effects of phosphorylated ascorbate on ultraviolet B radiation-induced DNA damage and differential expression of the wild-type and mutated p53 tumor-suppressor gene in keratinocytes. <i>Molecular Medicine Reports</i> , 2009 , 2, 917-22	2.9	4
12	Cytoprotection by bcl-2 gene transfer against ischemic liver injuries together with repressed lipid peroxidation and increased ascorbic acid in livers and serum. <i>Journal of Cellular Biochemistry</i> , 2004 , 93, 857-70	4.7	4
11	Combined treatment with dissolved hydrogen molecule and platinum nanocolloid exerts carcinostatic/carcinocidal effects by increasing hydrogen peroxide generation and cell death in the human gastric cancer cell line NUGC-4. <i>Free Radical Research</i> , 2021 , 55, 211-220	4	4
10	Hydrogen-bubbled platinum-colloid suppresses human esophagus- or tongue-carcinoma cells with intracellular platinum-uptake and the diminished normal-cell mortality. <i>Human Cell</i> , 2020 , 33, 1294-1301	4.5	3
9	Protective effects of dissolved molecular hydrogen against hydrogen peroxide-, hydroperoxide-, and glyoxal-induced injuries to human skin keratinocytes. <i>Molecular and Cellular Biochemistry</i> , 2021 , 476, 3613-3622	4.2	3
8	The influence of cellular senescence on intracellular vitamin C transport, accumulation, and function. <i>Molecular and Cellular Biochemistry</i> , 2018 , 446, 209-219	4.2	2
7	Repressive effects of oat extracts on intracellular lipid-droplet formation in adipocytes and a three-dimensional subcutaneous adipose tissue model. <i>Materials Science and Engineering C</i> , 2015 , 49, 269-273	8.3	2
6	Administration with telomeric DNA telomere-like oligonucleotides induces enhancement of telomerase activity and resistance against oxidative stress in telomere reverse transcriptase gene-transfected human fibroblasts. <i>Biomedicine and Pharmacotherapy</i> , 2010 , 64, 565-71	7.5	2
5	Carcinostatic effects of alkanoyl ascorbate plus platinum nano-colloid and stabilization of the esterolytically resultant ascorbate by hydrogen. <i>Human Cell</i> , 2021 , 34, 436-444	4.5	2

4	Resveratrol potentiates intracellular ascorbic acid enrichment through dehydroascorbic acid transport and/or its intracellular reduction in HaCaT cells. <i>Molecular and Cellular Biochemistry</i> , 2020 , 467, 57-64	4.2	1
3	Comments to the article "Artefacts with ascorbate and other redox-active compounds in cell culture: epigenetic modifications, and cell killing due to hydrogen peroxide generation in cell culture media". <i>Free Radical Research</i> , 2018 , 52, 910-912	4	1
2	Protective Effects of Polyvinylpyrrolidone-Wrapped Fullerene Against Nitric Oxide/Peroxynitrite-Induced Cellular Injury in Human Skin Keratinocytes. <i>Journal of Nanoscience and Nanotechnology</i> , 2021 , 21, 4579-4585	1.3	1
1	Molecular hydrogen suppresses Porphyromonas gingivalis lipopolysaccharide-induced increases in interleukin-1 alpha and interleukin-6 secretion in human gingival cells. <i>Molecular and Cellular Biochemistry</i> , 2021 , 1	4.2	1