Yasukazu Saitoh

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Super-highly hydroxylated fullerene derivative protects human keratinocytes from UV-induced cell injuries together with the decreases in intracellular ROS generation and DNA damages. Journal of Photochemistry and Photobiology B: Biology, 2011, 102, 69-76.	3.8	70
2	Highly hydroxylated or γ-cyclodextrin-bicapped water-soluble derivative of fullerene: The antioxidant ability assessed by electron spin resonance method and β-carotene bleaching assay. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 5293-5296.	2.2	63
3	Clinical Evaluation of Fullerene-C ₆₀ Dissolved in Squalane for Anti-Wrinkle Cosmetics. Journal of Nanoscience and Nanotechnology, 2010, 10, 6769-6774.	0.9	53
4	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. Journal of Photochemistry and Photobiology B: Biology, 2012, 106, 24-33.	3.8	53
5	Biological safety of neutral-pH hydrogen-enriched electrolyzed water upon mutagenicity, genotoxicity and subchronic oral toxicity. Toxicology and Industrial Health, 2010, 26, 203-216.	1.4	49
6	Safety evaluation of highly purified fullerenes (HPFs): based on screening of eye and skin damage. Journal of Toxicological Sciences, 2009, 34, 555-562.	1.5	45
7	Neutral pH Hydrogen-Enriched Electrolyzed Water Achieves Tumor-Preferential Clonal Growth Inhibition Over Normal Cells and Tumor Invasion Inhibition Concurrently With Intracellular Oxidant Repression. Oncology Research, 2008, 17, 247-255.	1.5	42
8	Highly hydroxylated fullerene localizes at the cytoskeleton and inhibits oxidative stress in adipocytes and a subcutaneous adipose-tissue equivalent. Free Radical Biology and Medicine, 2011, 51, 1376-1389.	2.9	42
9	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. Journal of Photochemistry and Photobiology B: Biology, 2010, 98, 144-151.	3.8	41
10	Biological Safety of LipoFullerene composed of Squalane and Fullerene 60 upon Mutagenesis, Photocytotoxicity, and Permeability into the Human Skin Tissue. Basic and Clinical Pharmacology and Toxicology, 2009, 104, 483-487.	2.5	38
11	Antitumor effects of nano-bubble hydrogen-dissolved water are enhanced by coexistent platinum colloid and the combined hyperthermia with apoptosis-like cell death. Oncology Reports, 2010, 24, 1463-70.	2.6	36
12	The effect of squalane-dissolved fullerene-C60 on adipogenesis-accompanied oxidative stress and macrophage activation in a preadipocyte-monocyte co-culture system. Biomaterials, 2010, 31, 5976-5985.	11.4	35
13	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. Journal of Photochemistry and Photobiology B: Biology, 2010, 98, 99-105.	3.8	32
14	Novel polyhydroxylated fullerene suppresses intracellular oxidative stress together with repression of intracellular lipid accumulation during the differentiation of OP9 preadipocytes into adipocytes. Free Radical Research, 2010, 44, 1072-1081.	3.3	32
15	Anti-apoptotic defense ofbcl-2 gene against hydroperoxide-induced cytotoxicity together with suppressed lipid peroxidation, enhanced ascorbate uptake, and upregulated Bcl-2 protein. Journal of Cellular Biochemistry, 2003, 89, 321-334.	2.6	30
16	Anticancer Effects of Fullerene [C ₆₀] Included in Polyethylene Glycol Combined With Visible Light Irradiation Through ROS Generation and DNA Fragmentation on Fibrosarcoma Cells With Scarce Cytotoxicity to Normal Fibroblasts. Oncology Research, 2011, 19, 203-216.	1.5	30
17	Oleic acid promotes adaptability against oxidative stress in 3T3-L1 cells through lipohormesis. Molecular and Cellular Biochemistry, 2014, 386, 73-83.	3.1	27
18	Polyhydroxylated fullerene C60(OH)44 suppresses intracellular lipid accumulation together with repression of intracellular superoxide anion radicals and subsequent PPARÎ ³ 2 expression during spontaneous differentiation of OP9 preadipocytes into adipocytes. Molecular and Cellular Biochemistry, 2012, 366, 191-200.	3.1	25

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19	Photodynamic anti-cancer effects of fullerene [C60]–PEG complex on fibrosarcomas preferentially over normal fibroblasts in terms of fullerene uptake and cytotoxicity. Molecular and Cellular Biochemistry, 2014, 390, 175-184.	3.1	24
20	Cytoprotective effects of the lipoidicâ€liquiform proâ€vitamin C tetraâ€isopalmitoylâ€ascorbate (VCâ€IP) against ultravioletâ€A rayâ€induced injuries in human skin cells together with collagen retention, MMP inhibition and p53 gene repression. Journal of Cellular Biochemistry, 2009, 106, 589-598.	2.6	20
21	Effects of hydrogen-rich water bath on visceral fat and skin blotch, with boiling-resistant hydrogen bubbles. Medical Gas Research, 2019, 9, 68.	2.3	20
22	Bcl-2 prevents hypoxia/reoxygenation-induced cell death through suppressed generation of reactive oxygen species and upregulation of Bcl-2 proteins. Journal of Cellular Biochemistry, 2003, 90, 914-924.	2.6	19
23	Fullerene-C ₆₀ Incorporated in Liposome Exerts Persistent Hydroxyl Radical-Scavenging Activity and Cytoprotection in UVA/B-Irradiated Keratinocytes. Journal of Nanoscience and Nanotechnology, 2011, 11, 3814-3823.	0.9	19
24	Colloidal Platinum in Hydrogen-Rich Water Exhibits Radical-Scavenging Activity and Improves Blood Fluidity. Journal of Nanoscience and Nanotechnology, 2012, 12, 4019-4027.	0.9	19
25	Repressive effects of a capacitive-resistive electric transfer (CRet) hyperthermic apparatus combined with provitamin C on intracellular lipid-droplets formation in adipocytes. International Journal of Hyperthermia, 2013, 29, 30-37.	2.5	18
26	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. Cytotechnology, 2011, 63, 425-435.	1.6	16
27	Fullerene-C ₆₀ Derivatives Prevent UV-Irradiation/TiO ₂ -Induced Cytotoxicity on Keratinocytes and 3D-Skin Tissues Through Antioxidant Actions. Journal of Nanoscience and Nanotechnology, 2014, 14, 3285-3291.	0.9	15
28	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. Molecular and Cellular Biochemistry, 1997, 173, 43-50.	3.1	14
29	Fish collagen-containing drink is subcutaneously absorbed and attenuates the UVA-induced tissue-integrity destruction and DNA damages in 3D-human skin tissue model. Journal of Functional Foods, 2011, 3, 50-55.	3.4	14
30	Carcinostatic effects of platinum nanocolloid combined with gamma irradiation on human esophageal squamous cell carcinoma. Life Sciences, 2015, 127, 106-114.	4.3	13
31	Fullerene–polyvinylpyrrolidone clathrate localizes in the cytoplasm to prevent Ultravioletâ€A rayâ€induced DNAâ€fragmentation and activation of the transcriptional factor NFâ€kappaB. Journal of Cellular Biochemistry, 2010, 111, 955-966.	2.6	12
32	Carcinostatic effects of diverse ascorbate derivatives in comparison with aliphatic chain moiety structures: Promotion by combined hyperthermia and reduced cytotoxicity to normal cells. Oncology Letters, 2012, 3, 1042-1046.	1.8	12
33	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. Journal of Biomedical Nanotechnology, 2010, 6, 52-58.	1.1	12
34	Senescence-induced increases in intracellular oxidative stress and enhancement of the need for ascorbic acid in human fibroblasts. Molecular and Cellular Biochemistry, 2013, 380, 129-141.	3.1	11
35	Inhibitions by Hydrogen-Occluding Silica Microcluster to Melanogenesis in Human Pigment Cells and Tyrosinase Reaction. Journal of Nanoscience and Nanotechnology, 2013, 13, 52-59.	0.9	9
36	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. Free Radical Research, 2017, 51, 684-692.	3.3	9

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37	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. Free Radical Research, 2016, 50, 385-395.	3.3	8
38	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. Medical Gas Research, 2018, 8, 12.	2.3	8
39	α-tocopheryl phosphate suppresses tumor invasion concurrently with dynamic morphological changes and delocalization of cortactin from invadopodia. International Journal of Oncology, 2009, 35, 1277-88.	3.3	7
40	Protective effects of polyvinylpyrrolidone-wrapped fullerene against intermittent ultraviolet-A irradiation-induced cell injury in HaCaT cells. Journal of Photochemistry and Photobiology B: Biology, 2016, 163, 22-29.	3.8	7
41	Effects of Platinum Nanocolloid in Combination with Gamma Irradiation on Normal Human Esophageal Epithelial Cells. Journal of Nanoscience and Nanotechnology, 2016, 16, 5345-5352.	0.9	6
42	Cytoprotection of vascular endotheliocytes by phosphorylated ascorbate through suppression of oxidative stress that is generated immediately after post-anoxic reoxygenation or with alkylhydroperoxides. Journal of Cellular Biochemistry, 2004, 93, 653-663.	2.6	5
43	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. International Journal of Oncology, 2009, 35, 1183-9.	3.3	5
44	Hydrogen-bubbled platinum-colloid suppresses human esophagus- or tongue-carcinoma cells with intracellular platinum-uptake and the diminished normal-cell mortality. Human Cell, 2020, 33, 1294-1301.	2.7	5
45	Protective effects of dissolved molecular hydrogen against hydrogen peroxide-, hydroperoxide-, and glyoxal-induced injuries to human skin keratinocytes. Molecular and Cellular Biochemistry, 2021, 476, 3613-3622.	3.1	5
46	Cytoprotection bybcl-2 gene transfer against ischemic liver injuries together with repressed lipid peroxidation and increased ascorbic acid in livers and serum. Journal of Cellular Biochemistry, 2004, 93, 857-870.	2.6	4
47	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. Molecular Medicine Reports, 2009, 02, 917-22.	2.4	4
48	Antitumor and anti-invasive effects of diverse musk-fragrant macrocyclic ketones and their enhancement by hyperthermia. Molecular Medicine Reports, 2011, 5, 148-52.	2.4	4
49	Resveratrol potentiates intracellular ascorbic acid enrichment through dehydroascorbic acid transport and/or its intracellular reduction in HaCaT cells. Molecular and Cellular Biochemistry, 2020, 467, 57-64.	3.1	4
50	Carcinostatic effects of alkanoyl ascorbate plus platinum nano-colloid and stabilization of the esterolytically resultant ascorbate by hydrogen. Human Cell, 2021, 34, 436-444.	2.7	4
51	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. Free Radical Research, 2021, 55, 211-220.	3.3	4
52	Molecular hydrogen suppresses Porphyromonas gingivalis lipopolysaccharide-induced increases in interleukin-1 alpha and interleukin-6 secretion in human gingival cells. Molecular and Cellular Biochemistry, 2021, , 1.	3.1	4
53	Repressive effects of oat extracts on intracellular lipid-droplet formation in adipocytes and a three-dimensional subcutaneous adipose tissue model. Materials Science and Engineering C, 2015, 49, 269-273.	7.3	3
54	Protective Effects of Polyvinylpyrrolidone-Wrapped Fullerene Against Nitric Oxide/Peroxynitrite-Induced Cellular Injury in Human Skin Keratinocytes. Journal of Nanoscience and Nanotechnology, 2021, 21, 4579-4585.	0.9	3

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55	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. Biomedicine and Pharmacotherapy, 2010, 64, 565-571.	5.6	2
56	The influence of cellular senescence on intracellular vitamin C transport, accumulation, and function. Molecular and Cellular Biochemistry, 2018, 446, 209-219.	3.1	2
57	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― Free Radical Research, 2018, 52, 910-912.	3.3	1