

Yasukazu Saitoh

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

1,114
citations

361045

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433756

31
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57
all docs

57
docs citations

57
times ranked

1259
citing authors

| # | 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. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2011, 102, 69-76. | 1.7 | 70 |
| 2 | Highly hydroxylated or β -cyclodextrin-bicapped water-soluble derivative of fullerene: The antioxidant ability assessed by electron spin resonance method and β -carotene bleaching assay. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 5293-5296. | 1.0 | 63 |
| 3 | Clinical Evaluation of Fullerene-C ₆₀ Dissolved in Squalane for Anti-Wrinkle Cosmetics. <i>Journal of Nanoscience and Nanotechnology</i> , 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. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012, 106, 24-33. | 1.7 | 53 |
| 5 | Biological safety of neutral-pH hydrogen-enriched electrolyzed water upon mutagenicity, genotoxicity and subchronic oral toxicity. <i>Toxicology and Industrial Health</i> , 2010, 26, 203-216. | 0.6 | 49 |
| 6 | Safety evaluation of highly purified fullerenes (HPFs): based on screening of eye and skin damage. <i>Journal of Toxicological Sciences</i> , 2009, 34, 555-562. | 0.7 | 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. <i>Oncology Research</i> , 2008, 17, 247-255. | 0.6 | 42 |
| 8 | 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, 1376-1389. | 1.3 | 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. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2010, 98, 144-151. | 1.7 | 41 |
| 10 | 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, 483-487. | 1.2 | 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. <i>Oncology Reports</i> , 2010, 24, 1463-70. | 1.2 | 36 |
| 12 | 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, 5976-5985. | 5.7 | 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. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2010, 98, 99-105. | 1.7 | 32 |
| 14 | 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, 1072-1081. | 1.5 | 32 |
| 15 | 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, 321-334. | 1.2 | 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. <i>Oncology Research</i> , 2011, 19, 203-216. | 0.6 | 30 |
| 17 | Oleic acid promotes adaptability against oxidative stress in 3T3-L1 cells through lipohormesis. <i>Molecular and Cellular Biochemistry</i> , 2014, 386, 73-83. | 1.4 | 27 |
| 18 | Polyhydroxylated fullerene C60(OH) ₄₄ suppresses intracellular lipid accumulation together with repression of intracellular superoxide anion radicals and subsequent PPAR γ expression during spontaneous differentiation of OP9 preadipocytes into adipocytes. <i>Molecular and Cellular Biochemistry</i> , 2012, 366, 191-200. | 1.4 | 25 |

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| 19 | Photodynamic anti-cancer effects of fullerene [C60]â€“PEG complex on fibrosarcomas preferentially over normal fibroblasts in terms of fullerene uptake and cytotoxicity. <i>Molecular and Cellular Biochemistry</i> , 2014, 390, 175-184. | 1.4 | 24 |
| 20 | Cytoprotective effects of the lipoidicâ€“liquidiform 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. <i>Journal of Cellular Biochemistry</i> , 2009, 106, 589-598. | 1.2 | 20 |
| 21 | 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. | 1.2 | 20 |
| 22 | 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, 914-924. | 1.2 | 19 |
| 23 | Fullerene-C<SUB>60</SUB> 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, 3814-3823. | 0.9 | 19 |
| 24 | Colloidal Platinum in Hydrogen-Rich Water Exhibits Radical-Scavenging Activity and Improves Blood Fluidity. <i>Journal of Nanoscience and Nanotechnology</i> , 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. <i>International Journal of Hyperthermia</i> , 2013, 29, 30-37. | 1.1 | 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. <i>Cytotechnology</i> , 2011, 63, 425-435. | 0.7 | 16 |
| 27 | Fullerene-C<SUB>60</SUB> Derivatives Prevent UV-Irradiation/TiO<SUB>2</SUB>-Induced Cytotoxicity on Keratinocytes and 3D-Skin Tissues Through Antioxidant Actions. <i>Journal of Nanoscience and Nanotechnology</i> , 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. <i>Molecular and Cellular Biochemistry</i> , 1997, 173, 43-50. | 1.4 | 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. <i>Journal of Functional Foods</i> , 2011, 3, 50-55. | 1.6 | 14 |
| 30 | Carcinostatic effects of platinum nanocolloid combined with gamma irradiation on human esophageal squamous cell carcinoma. <i>Life Sciences</i> , 2015, 127, 106-114. | 2.0 | 13 |
| 31 | Fullereneâ€“polyvinylpyrrolidone clathrate localizes in the cytoplasm to prevent Ultravioletâ€“A rayâ€“induced DNAâ€“fragmentation and activation of the transcriptional factor NFâ€“kappaB. <i>Journal of Cellular Biochemistry</i> , 2010, 111, 955-966. | 1.2 | 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. <i>Oncology Letters</i> , 2012, 3, 1042-1046. | 0.8 | 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. <i>Journal of Biomedical Nanotechnology</i> , 2010, 6, 52-58. | 0.5 | 12 |
| 34 | 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, 129-141. | 1.4 | 11 |
| 35 | Inhibitions by Hydrogen-Occluding Silica Microcluster to Melanogenesis in Human Pigment Cells and Tyrosinase Reaction. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 52-59. | 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. <i>Free Radical Research</i> , 2017, 51, 684-692. | 1.5 | 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. <i>Free Radical Research</i> , 2016, 50, 385-395. | 1.5 | 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. <i>Medical Gas Research</i> , 2018, 8, 12. | 1.2 | 8 |
| 39 | Î±-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. | 1.4 | 7 |
| 40 | 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, 22-29. | 1.7 | 7 |
| 41 | Effects of Platinum Nanocolloid in Combination with Gamma Irradiation on Normal Human Esophageal Epithelial Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 5345-5352. | 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. <i>Journal of Cellular Biochemistry</i> , 2004, 93, 653-663. | 1.2 | 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. <i>International Journal of Oncology</i> , 2009, 35, 1183-9. | 1.4 | 5 |
| 44 | 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. | 1.2 | 5 |
| 45 | 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. | 1.4 | 5 |
| 46 | 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, 857-870. | 1.2 | 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. <i>Molecular Medicine Reports</i> , 2009, 02, 917-22. | 1.1 | 4 |
| 48 | Antitumor and anti-invasive effects of diverse musk-fragrant macrocyclic ketones and their enhancement by hyperthermia. <i>Molecular Medicine Reports</i> , 2011, 5, 148-52. | 1.1 | 4 |
| 49 | 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. | 1.4 | 4 |
| 50 | 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. | 1.2 | 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. <i>Free Radical Research</i> , 2021, 55, 211-220. | 1.5 | 4 |
| 52 | 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. | 1.4 | 4 |
| 53 | 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. | 3.8 | 3 |
| 54 | 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. | 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. <i>Biomedicine and Pharmacotherapy</i> , 2010, 64, 565-571. | 2.5 | 2 |
| 56 | The influence of cellular senescence on intracellular vitamin C transport, accumulation, and function. <i>Molecular and Cellular Biochemistry</i> , 2018, 446, 209-219. | 1.4 | 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" • <i>Free Radical Research</i> , 2018, 52, 910-912. | 1.5 | 1 |