

# Shinya Kato

## List of Publications by Year in descending order

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25  
papers

520  
citations

687363

13  
h-index

642732

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

584  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly hydroxylated or $\beta$ -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, 5293-5296.	2.2	63
2	Clinical Evaluation of Fullerene-C <sub>60</sub> Dissolved in Squalane for Anti-Wrinkle Cosmetics. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 6769-6774.	0.9	53
3	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.	3.8	53
4	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.	3.8	41
5	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.	2.5	38
6	Hydrogen water intake via tube-feeding for patients with pressure ulcer and its reconstructive effects on normal human skin cells in vitro. <i>Medical Gas Research</i> , 2013, 3, 20.	2.3	33
7	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.	3.8	32
8	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.	3.3	32
9	Antioxidant activities of nano-bubble hydrogen-dissolved water assessed by ESR and 2,2'-bipyridyl methods. <i>Materials Science and Engineering C</i> , 2015, 53, 7-10.	7.3	26
10	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
11	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
12	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.	2.5	18
13	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.	1.6	16
14	The Stenosis of Cerebral Arteries and Impaired Brain Glucose Uptake by Long-Lasting Inflammatory Cytokine Release from Dermatitis Rescued by Anti-IL-1 Therapy. <i>Journal of Investigative Dermatology</i> , 2018, 138, 2280-2283.	0.7	13
15	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.	1.1	12
16	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
17	Mechanisms of DNA damage induced by morin, an inhibitor of amyloid $\beta$ -peptide aggregation. <i>Free Radical Research</i> , 2019, 53, 115-123.	3.3	9
18	Mechanism of reactive oxygen species generation and oxidative DNA damage induced by acryloylhydroxamic acid, a putative metabolite of acrylamide. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2022, 873, 503420.	1.7	8

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19	Radiosensitization by Liposome-Encapsulated Fullerenes to Mitochondria/DNA-Damages on Human Melanoma Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 3775-3786.	0.9	6
20	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.	2.7	5
21	The hydrogen-storing microporous silica "Microcluster"™ reduces acetaldehyde contained in a distilled spirit. <i>Materials Science and Engineering C</i> , 2016, 69, 117-121.	7.3	4
22	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.	2.7	4
23	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.	7.3	3
24	Heat-retention effects of hydrogen-rich water bath assessed by thermography for humans. <i>Journal of Thermal Biology</i> , 2021, 95, 102805.	2.5	2
25	Micro-MRI improves the accuracy of clinical diagnosis in cerebral small vessel disease. <i>Brain Communications</i> , 2021, 3, fcab070.	3.3	2