

Mototada Shichiri

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,811
citations

279798

23
h-index

265206

42
g-index

56
all docs

56
docs citations

56
times ranked

3100
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of lipid peroxidation in neurological disorders. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2014, 54, 151-160.	1.4	195
2	Lipid peroxidation biomarkers for evaluating oxidative stress and assessing antioxidant capacity <i>in vivo</i>. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2013, 52, 9-16.	1.4	161
3	Î±-Tocopherol suppresses lipid peroxidation and behavioral and cognitive impairments in the Ts65Dn mouse model of Down syndrome. <i>Free Radical Biology and Medicine</i> , 2011, 50, 1801-1811.	2.9	112
4	Photothermic regulation of gene expression triggered by laser-induced carbon nanohorns. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 7523-7528.	7.1	96
5	Evaluation of Acute Oxidative Stress Induced by NiO Nanoparticles <i>In Vivo</i> and <i>In Vitro</i>. <i>Journal of Occupational Health</i> , 2011, 53, 64-74.	2.1	93
6	Assessment of antioxidant capacity for scavenging free radicals in vitro: A rational basis and practical application. <i>Free Radical Biology and Medicine</i> , 2012, 52, 1242-1252.	2.9	82
7	Preparation and application of monoclonal antibodies against oxidized DJ-1. Significant elevation of oxidized DJ-1 in erythrocytes of early-stage Parkinson disease patients. <i>Neuroscience Letters</i> , 2009, 465, 1-5.	2.1	75
8	Attenuation of lipopolysaccharide (LPS)-induced cytotoxicity by tocopherols and tocotrienols. <i>Redox Biology</i> , 2013, 1, 97-103.	9.0	69
9	Comparison of acute oxidative stress on rat lung induced by nano and fine-scale, soluble and insoluble metal oxide particles: NiO and TiO ₂ . <i>Inhalation Toxicology</i> , 2012, 24, 391-400.	1.6	61
10	Fatty liver induced by free radicals and lipid peroxidation. <i>Free Radical Research</i> , 2012, 46, 758-765.	3.3	61
11	Singlet Oxygen Induced Products of Linoleates, 10- and 12-(Z,E)-Hydroxyoctadecadienoic Acids (HODE), Can Be Potential Biomarkers for Early Detection of Type 2 Diabetes. <i>PLoS ONE</i> , 2013, 8, e63542.	2.5	49
12	Oleuropein-Rich Diet Attenuates Hyperglycemia and Impaired Glucose Tolerance in Type 2 Diabetes Model Mouse. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 6715-6722.	5.2	49
13	ATP-Binding cassette transporter A1 is involved in hepatic Î±-tocopherol secretion. <i>Journal of Nutritional Biochemistry</i> , 2010, 21, 451-456.	4.2	47
14	A Photo-Thermal-Electrical Converter Based On Carbon Nanotubes for Bioelectronic Applications. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12266-12270.	13.8	46
15	Intratracheal instillation of single-wall carbon nanotubes in the rat lung induces time-dependent changes in gene expression. <i>Nanotoxicology</i> , 2015, 9, 290-301.	3.0	44
16	Chemistry of Lipid Peroxidation Products and Their Use as Biomarkers in Early Detection of Diseases. <i>Journal of Oleo Science</i> , 2015, 64, 347-356.	1.4	37
17	Î±-Tocopheryl phosphate: Uptake, hydrolysis, and antioxidant action in cultured cells and mouse. <i>Free Radical Biology and Medicine</i> , 2011, 50, 1794-1800.	2.9	32
18	Enhancement of lipid peroxidation and its amelioration by vitamin E in a subject with mutations in the SBP2 gene. <i>Journal of Lipid Research</i> , 2015, 56, 2172-2182.	4.2	30

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19	Oxidation and interaction of DJ-1 with 20S proteasome in the erythrocytes of early stage Parkinson's disease patients. <i>Scientific Reports</i> , 2016, 6, 30793.	3.3	30
20	Protection of cerebellar granule cells by tocopherols and tocotrienols against methylmercury toxicity. <i>Brain Research</i> , 2007, 1182, 106-115.	2.2	27
21	Elevation of oxidized DJ-1 in the brain and erythrocytes of Parkinson disease model animals. <i>Neuroscience Letters</i> , 2010, 483, 201-205.	2.1	27
22	Multi-Biomarkers for Early Detection of Type 2 Diabetes, Including 10- and 12-(Z,E)-Hydroxyoctadecadienoic Acids, Insulin, Leptin, and Adiponectin. <i>PLoS ONE</i> , 2015, 10, e0130971.	2.5	27
23	Singlet-oxygen-derived products from linoleate activate Nrf2 signaling in skin cells. <i>Free Radical Biology and Medicine</i> , 2015, 79, 164-175.	2.9	24
24	Alpha-tocopherol transfer protein disruption confers resistance to malarial infection in mice. <i>Malaria Journal</i> , 2010, 9, 101.	2.3	23
25	Switching from singlet-oxygen-mediated oxidation to free-radical-mediated oxidation in the pathogenesis of type 2 diabetes in model mouse. <i>Free Radical Research</i> , 2015, 49, 133-138.	3.3	22
26	Capacity of fucoxanthin for scavenging peroxy radicals and inhibition of lipid peroxidation in model systems. <i>Free Radical Research</i> , 2012, 46, 1406-1412.	3.3	21
27	Reactivity toward oxygen radicals and antioxidant action of thiol compounds. <i>BioFactors</i> , 2012, 38, 240-248.	5.4	20
28	Yuzu (<i>Citrus junos</i> Tanaka) Peel Attenuates Dextran Sulfate Sodium-induced Murine Experimental Colitis. <i>Journal of Oleo Science</i> , 2018, 67, 335-344.	1.4	18
29	A Novel Role for α -Tocopherol Transfer Protein (α -TTP) in Protecting against Chloroquine Toxicity. <i>Journal of Biological Chemistry</i> , 2012, 287, 2926-2934.	3.4	17
30	Capacity of peroxy radical scavenging and inhibition of lipid peroxidation by β -carotene, lycopene, and commercial tomato juice. <i>Food and Function</i> , 2012, 3, 1153.	4.6	16
31	An open sandwich immunoassay for detection of 13(R,S)-hydroxy-9(E),11(E)-octadecadienoic acid. <i>Analyst</i> , 2017, 142, 787-793.	3.5	16
32	Induction of a 5-lipoxygenase product by daidzein is involved in the regulation of influenza virus replication. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2020, 66, 36-42.	1.4	16
33	Oxidative stress is involved in fatigue induced by overnight deskwork as assessed by increase in plasma tocopherylhydroquinone and hydroxycholesterol. <i>Biological Psychology</i> , 2013, 94, 527-533.	2.2	15
34	Efficacy of high sodium intake in a boy with instantaneous orthostatic hypotension. <i>Clinical Autonomic Research</i> , 2002, 12, 47-50.	2.5	14
35	Probucol-Induced α -Tocopherol Deficiency Protects Mice against Malaria Infection. <i>PLoS ONE</i> , 2015, 10, e0136014.	2.5	14
36	Plasma Platelet-Activating Factor's Acetyl Hydrolase Activity and the Levels of Free Forms of Biomarker of Lipid Peroxidation in Cerebrospinal Fluid of Patients With Aneurysmal Subarachnoid Hemorrhage. <i>Neurosurgery</i> , 2012, 70, 602-609.	1.1	13

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37	Type 2 diabetes model TSOD mouse is exposed to oxidative stress at young age. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2014, 55, 216-220.	1.4	13
38	Hepatic resistance to cold ferroptosis in a mammalian hibernator Syrian hamster depends on effective storage of diet-derived α -tocopherol. <i>Communications Biology</i> , 2021, 4, 796.	4.4	12
39	Probucol dramatically enhances dihydroartemisinin effect in murine malaria. <i>Malaria Journal</i> , 2016, 15, 472.	2.3	9
40	Ascorbic acid insufficiency impairs spatial memory formation in juvenile AKR1A-knockout mice. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2019, 65, 209-216.	1.4	9
41	DHA concentration of red blood cells is inversely associated with markers of lipid peroxidation in men taking DHA supplement. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2014, 55, 196-202.	1.4	8
42	Effect of anti-hyperlipidemia drugs on the alpha-tocopherol concentration and their potential for murine malaria infection. <i>Parasitology Research</i> , 2016, 115, 69-75.	1.6	8
43	Heightened aggressive behavior in mice deficient in aldo-keto reductase 1a (Akr1a). <i>Behavioural Brain Research</i> , 2017, 319, 219-224.	2.2	8
44	The induction of lipid peroxidation during the acute oxidative stress response induced by intratracheal instillation of fine crystalline silica particles in rats. <i>Toxicology and Industrial Health</i> , 2016, 32, 1430-1437.	1.4	7
45	Influenza virus entry and replication inhibited by 8-eprenylnaringenin from <i>Citrullus lanatus</i> var. <i>citroides</i> (wild watermelon). <i>Food Science and Nutrition</i> , 2022, 10, 926-935.	3.4	7
46	Unregulated Lipid Peroxidation in Neurological Dysfunction. , 2014, , 31-55.		6
47	Trichloroethylene exposure aggravates behavioral abnormalities in mice that are deficient in superoxide dismutase. <i>Regulatory Toxicology and Pharmacology</i> , 2016, 79, 83-90.	2.7	6
48	Probucol induces the generation of lipid peroxidation products in erythrocytes and plasma of male cynomolgus macaques. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2019, 64, 129-142.	1.4	6
49	Early diagnosis of type 2 diabetes based on multiple biomarkers and non-invasive indices. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2018, 62, 187-194.	1.4	5
50	Stress-activated leukocyte 12/15-lipoxygenase metabolite enhances struggle behaviour and tocotrienols relieve stress-induced behaviour alteration. <i>Free Radical Biology and Medicine</i> , 2021, 175, 171-183.	2.9	4
51	Quantitative Analysis of Lipid Peroxidation Products Using Mass Spectrometry. , 2011, , 877-884.		3
52	Dynamics of hydroxyoctadecadienoic acid in epilepsy patients treated with valproic acid. <i>Pediatrics International</i> , 2016, 58, 45-48.	0.5	1
53	Title is missing!. <i>Kagaku To Seibutsu</i> , 2016, 54, 305-307.	0.0	0
54	Development of a method for evaluating the mRNA transcription activity of influenza virus RNA-dependent RNA polymerase through real-time reverse transcription polymerase chain reaction. <i>Virology Journal</i> , 2021, 18, 177.	3.4	0

#	ARTICLE	IF	CITATIONS
55	Chemical and Biological Evidence of the Efficacy of Shengxian Decoction for Treating Human Lung Adenocarcinoma. <i>Frontiers in Oncology</i> , 2022, 12, 849579.	2.8	0