Masataka Yoshino

List of Publications by Year
in descending order

53	1,572	304743	302126
papers	citations	22 h-index	39 g-index

53	53	53	2322
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interaction of Iron with Polyphenolic Compounds: Application to Antioxidant Characterization. Analytical Biochemistry, 1998, 257, 40-44.	2.4	251
2	Antioxidant action of eugenol compounds: role of metal ion in the inhibition of lipid peroxidation. Food and Chemical Toxicology, 2005, 43, 461-466.	3.6	146
3	Prooxidant activity of curcumin: copper-dependent formation of 8-hydroxy-2â€²-deoxyguanosine in DNA and induction of apoptotic cell death. Toxicology in Vitro, 2004, 18, 783-789.	2.4	131
4	Rosmarinic acid inhibits the formation of reactive oxygen and nitrogen species in RAW264.7 macrophages. Free Radical Research, 2005, 39, 995-1003.	3.3	110
5	Prooxidant Activity of Flavonoids: Copper-Dependent Strand Breaks and the Formation of 8-Hydroxy-2â€²-Deoxyguanosine in DNA. Molecular Genetics and Metabolism, 1999, 68, 468-472.	1.1	83
6	Permeabilization of yeast cells: Application to study on the regulation of AMP deaminase activity in situ. Analytical Biochemistry, 1980, 105, 407-413.	2.4	57
7	Inhibitory action of eugenol compounds on the production of nitric oxide in RAW264.7 macrophages. Biomedical Research, 2006, 27, 69-74.	0.9	50
8	Analysis of the substrate inhibition of complete and partial types. SpringerPlus, 2015, 4, 292.	1.2	47
9	Prooxidant action of aluminum ion--stimulation of iron-mediated lipid peroxidation by aluminum. BioMetals, 1999, 12, 237-240.	4.1	44
10	Aluminum decreases the glutathione regeneration by the inhibition of NADP-isocitrate dehydrogenase in mitochondria. Journal of Cellular Biochemistry, 2004, 93, 1267-1271.	2.6	43
11	A graphical method for determining inhibition constants. Journal of Enzyme Inhibition and Medicinal Chemistry, 2009, 24, 1288-1290.	5.2	42
12	Inhibitory effect of phosphoenolpyruvate on glycolytic enzymes in Escherichia coli. Research in Microbiology, 2007, 158, 159-163.	2.1	37
13	Dipicolinic acid prevents the copper-dependent oxidation of low density lipoprotein. Journal of Nutritional Biochemistry, 2003, 14, 99-103.	4.2	36
14	Prooxidant action of rosmarinic acid: Transition metal-dependent generation of reactive oxygen species. Toxicology in Vitro, 2007, 21, 613-617.	2.4	33
15	Effect of hydroxy substituent on the prooxidant action of naphthoquinone compounds. Toxicology in Vitro, 2010, 24, 905-909.	2.4	33
16	Prooxidant action of xanthurenic acid and quinoline compounds: Role of transition metals in the generation of reactive oxygen species and enhanced formation of 8-hydroxy-2â€²-deoxyguanosine in DNAâ€. BioMetals, 2006, 19, 429-435.	4.1	32
17	Aluminum-induced apoptosis in PC12D cells. BioMetals, 2001, 14, 181-185.	4.1	26
18	Maltol/iron-mediated apoptosis in HL60 cells: Participation of reactive oxygen species. Toxicology Letters, 2006, 161, 102-107.	0.8	25

#	Article	IF	Citations
19	Oxidative inactivation of reduced NADP-generating enzymes in E. coli: iron-dependent inactivation with affinity cleavage of NADP-isocitrate dehydrogenase. Archives of Microbiology, 2006, 186, 385-392.	2.2	25
20	Xanthurenic Acid Inhibits Metal Ion-Induced Lipid Peroxidation and Protects NADP-Isocitrate Dehydrogenase from Oxidative Inactivation.. Journal of Nutritional Science and Vitaminology, 2001, 47, 306-310.	0.6	24
21	Inactivation of aconitase in yeast exposed to oxidative stress. IUBMB Life, 1997, 41, 481-486.	3.4	23
22	Prooxidant Action of Maltol: Role of Transition Metals in the Generation of Reactive Oxygen Species and Enhanced Formation of 8-hydroxy-2â€²-deoxyguanosine Formation in DNA. BioMetals, 2006, 19, 253-257.	4.1	23
23	Antioxidant Effect of Capsaicinoids on the Metal-catalyzed Lipid Peroxidation. Biomedical Research, 2001, 22, 15-17.	0.9	22
24	Prooxidant Action of Hinokitiol: Hinokitiol-Iron Dependent Generation of Reactive Oxygen Species. Basic and Clinical Pharmacology and Toxicology, 2005, 97, 392-394.	2.5	18
25	Copper-dependent inhibition and oxidative inactivation with affinity cleavage of yeast glutathione reductase. BioMetals, 2014, 27, 551-558.	4.1	18
26	Generation of Reactive Oxygen Species and Induction of Apoptosis of HL60 Cells by Ingredients of Traditional Herbal Medicine, Sho-saiko-to. Basic and Clinical Pharmacology and Toxicology, 2006, 98, 401-405.	2.5	17
27	Mimosine-Induced Apoptosis in C6 Glioma Cells Requires the Release of Mitochondria-Derived Reactive Oxygen Species and p38, JNK Activation. Neurochemical Research, 2012, 37, 417-427.	3.3	14
28	ANTIOXIDANT EFFECT OF DIPICOLINIC ACID ON THE METAL-CATALYZED LIPID PEROXIDATION AND ENZYME INACTIVATION. Biomedical Research, 1998, 19, 205-208.	0.9	14
29	Role of metal cations in the regulation of NADP-linked isocitrate dehydrogenase from porcine heart. BioMetals, 1997, 10, 169-174.	4.1	12
30	ROLE OF BAICALEIN COMPOUNDS AS ANTIOXIDANT IN THE TRADITIONAL HERBAL MEDICINE . Biomedical Research, 1997, 18, 349-352.	0.9	12
31	Dipicolinic Acid as an Antioxidant: Protection of Glutathione Reductase from the Inactivation by Copper. Biomedical Research, 1999, 20, 321-326.	0.9	11
32	Activation by spermine of citrate synthase from porcine heart. Biochimica Et Biophysica Acta - General Subjects, 1991, 1073, 200-202.	2.4	10
33	Aluminum: a pH-dependent inhibitor of NADP-isocitrate dehydrogenase from porcine heart. BioMetals, 1992, 5, 217-221.	4.1	10
34	Antioxidant and Prooxidant Actions of Gallic Acid Derivatives: Effect on Metal-dependent Oxidation of Lipids and Low Density Lipoprotein. Biomedical Research, 2000, 21, 291-296.	0.9	10
35	Induction of Apoptosis of HL60 Cells by Gallic Acid Derivatives. Biomedical Research, 2002, 23, 127-134.	0.9	10
36	Regulatory role ofÂpolyamine inÂtheÂacid phosphatase from potato tubers. Plant Physiology and Biochemistry, 2006, 44, 43-48.	5.8	8

#	Article	IF	Citations
37	Protection by histadine against oxidative inactivation of AMP deaminase in yeast. IUBMB Life, 1997, 42, 1063-1069.	3.4	7
38	Title is missing!. BioMetals, 1998, 11, 63-67.	4.1	7
39	Zinc inhibition of pyruvate kinase of M-type isozyme. BioMetals, 2017, 30, 335-340.	4.1	7
40	AMP Nucleosidase from Azotobacter vinelandii. Journal of Biochemistry, 1972, 72, 223-233.	1.7	6
41	Maltol as an Antioxidant: Inhibition of Lipid Peroxidation and Protection of NADP- Isocitrate Dehydrogenase from the Iron-mediated Inactivation. Biomedical Research, 2001, 22, 183-186.	0.9	6
42	Inhibition by fructose 1,6-bisphosphate of transaldolase fromEscherichia coli. FEMS Microbiology Letters, 2016, 363, fnw183.	1.8	5
43	Generation of reactive oxygen species by hydroxypyridone compound/iron complexes. Redox Report, 2020, 25, 59-63.	4.5	5
44	Prooxidant action of rhodizonic acid: Transition metal-dependent generation of reactive oxygen species causing the formation of 8-hydroxy-2â€²-deoxyguanosine formation in DNA. Toxicology in Vitro, 2006, 20, 910-914.	2.4	4
45	Iron-Dependent Oxidative Inactivation with Affinity Cleavage of Pyruvate Kinase. Biological Trace Element Research, 2009, 130, 31-38.	3.5	4
46	Effect of fructose 1,6-bisphosphate on the iron redox state relating to the generation of reactive oxygen species. BioMetals, 2015, 28, 687-691.	4.1	4
47	REVERSAL BY POLYAMINE OF THE ALUMINUM-INDUCED INHIBITION OF HEXOKINASE FROM HUMAN BRAIN . Biomedical Research, 1990, 11, 215-218.	0.9	4
48	Prooxidant activity of aminophenol compounds: copper-dependent generation of reactive oxygen species. BioMetals, 2022, 35, 329-334.	4.1	3
49	Differential effects of polyamine on the cytosolic and mitochondrial NADPâ€‹isocitrate dehydrogenases. BioFactors, 2012, 38, 365-371.	5.4	2
50	Polyamine enhances the regeneration of reduced glutathione by the activation of NADP-dependent dehydrogenases in yeast. Biomedical Research, 2004, 25, 69-74.	0.9	1
51	Glycogenolysis: Is muscle glycogen phosphorylase differentially activated depending on the conditions of hypoxia and exercise?. Medical Hypotheses, 2014, 83, 513.	1.5	0
52	Hypoxia-induced decrease in brain serotonin is dependent on the increase in tryptophan . Biomedical Research, 1996, 17, 399-402.	0.9	0
53	Parathyroidectomy-induced decrease in calcium-binding protein (calbinin D_{28K}) in the rat kiny . Biomedical Research, 1996, 17, 495-497.	0.9	0