Daigo Sumi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3154694/publications.pdf

Version: 2024-02-01

80	3,219	126708	155451
papers	citations	33 h-index	55 g-index

83	83	83	3886
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cerivastatin, a Hydroxymethylglutaryl Coenzyme A Reductase Inhibitor, Improves Endothelial Function in Elderly Diabetic Patients Within 3 Days. Circulation, 2001, 104, 376-379.	1.6	261
2	Arsenic: Signal Transduction, Transcription Factor, and Biotransformation Involved in Cellular Response and Toxicity. Annual Review of Pharmacology and Toxicology, 2007, 47, 243-262.	4.2	237
3	Pomegranate juice protects nitric oxide against oxidative destruction and enhances the biological actions of nitric oxide. Nitric Oxide - Biology and Chemistry, 2006, 15, 93-102.	1.2	137
4	Cytoprotective role of Nrf2/Keap1 system in methylmercury toxicity. Biochemical and Biophysical Research Communications, 2007, 363, 645-650.	1.0	122
5	Import into Mitochondria of Phospholipid Hydroperoxide Glutathione Peroxidase Requires a Leader Sequence. Biochemical and Biophysical Research Communications, 1996, 227, 433-439.	1.0	114
6	Estrogen-related receptor Â1 up-regulates endothelial nitric oxide synthase expression. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 14451-14456.	3.3	103
7	A HMG-CoA reductase inhibitor possesses a potent anti-atherosclerotic effect other than serum lipid lowering effects â€" the relevance of endothelial nitric oxide synthase and superoxide anion scavenging action. Atherosclerosis, 2001, 155, 347-357.	0.4	102
8	Dehydroepiandrosterone Retards Atherosclerosis Formation Through Its Conversion to Estrogen. Arteriosclerosis, Thrombosis, and Vascular Biology, 2000, 20, 782-792.	1.1	97
9	Chemical Knockdown of Protein-tyrosine Phosphatase 1B by 1,2-Naphthoquinone through Covalent Modification Causes Persistent Transactivation of Epidermal Growth Factor Receptor. Journal of Biological Chemistry, 2007, 282, 33396-33404.	1.6	95
10	Sulforaphane, an activator of Nrf2, suppresses cellular accumulation of arsenic and its cytotoxicity in primary mouse hepatocytes. FEBS Letters, 2006, 580, 1771-1774.	1.3	94
11	Increased Expression of Elastolytic Cysteine Proteases, Cathepsins S and K, in the Neointima of Balloon-Injured Rat Carotid Arteries. American Journal of Pathology, 2004, 164, 243-251.	1.9	88
12	Effects of a Pomegranate Fruit Extract rich in punicalagin on oxidation-sensitive genes and eNOS activity at sites of perturbed shear stress and atherogenesis. Cardiovascular Research, 2007, 73, 414-423.	1.8	78
13	Overexpression of Phospholipid Hydroperoxide Glutathione Peroxidase Suppressed Cell Death Due to Oxidative Damage in Rat Basophile Leukemia Cells (RBL-2H3). Biochemical and Biophysical Research Communications, 1996, 222, 432-438.	1.0	77
14	A HMG-CoA Reductase Inhibitor Improved Regression of Atherosclerosis in the Rabbit Aorta without Affecting Serum Lipid Levels: Possible Relevance of Up-Regulation of Endothelial NO Synthase mRNA. Biochemical and Biophysical Research Communications, 1999, 259, 414-419.	1.0	72
15	Beneficial effects of concurrent autologous bone marrow cell therapy and metabolic intervention in ischemia-induced angiogenesis in the mouse hindlimb. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 17202-17206.	3.3	69
16	Sarpogrelate HCl, a selective 5-HT2A antagonist, retards the progression of atherosclerosis through a novel mechanism. Atherosclerosis, 2003, 168, 23-31.	0.4	61
17	Gene transfer of endothelial NO synthase, but not eNOS, plus inducible NOS regressed atherosclerosis in rabbits. Cardiovascular Research, 2004, 61, 339-351.	1.8	56
18	Redox cycling of 9,10-phenanthraquinone to cause oxidative stress is terminated through its monoglucuronide conjugation in human pulmonary epithelial A549 cells. Free Radical Biology and Medicine, 2008, 44, 1645-1655.	1.3	56

#	Article	IF	Citations
19	L-Xylulose reductase is involved in 9,10-phenanthrenequinone-induced apoptosis in human T lymphoma cells. Free Radical Biology and Medicine, 2008, 44, 1191-1202.	1.3	54
20	Regulation of Inducible Nitric Oxide Synthase Expression in Advanced Glycation End Product-Stimulated RAW 264.7 Cells: The Role of Heme Oxygenase-1 and Endogenous Nitric Oxide. Diabetes, 2004, 53, 1841-1850.	0.3	52
21	Initial Response and Cellular Protection through the Keap1/Nrf2 System during the Exposure of Primary Mouse Hepatocytes to 1,2-Naphthoquinone. Chemical Research in Toxicology, 2011, 24, 559-567.	1.7	52
22	Signal transduction pathways and transcription factors triggered by arsenic trioxide in leukemia cells. Toxicology and Applied Pharmacology, 2010, 244, 385-392.	1.3	50
23	Role of aquaporin 9 in cellular accumulation of arsenic and its cytotoxicity in primary mouse hepatocytes. Toxicology and Applied Pharmacology, 2009, 237, 232-236.	1.3	48
24	Modulating role of estradiol on arginase II expression in hyperlipidemic rabbits as an atheroprotective mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 10485-10490.	3.3	44
25	Physiological Concentration of 17Î²-Estradiol Retards the Progression of Severe Atherosclerosis Induced by a High-Cholesterol Diet Plus Balloon Catheter Injury. Arteriosclerosis, Thrombosis, and Vascular Biology, 2000, 20, 1613-1621.	1.1	43
26	17Î²-Estradiol inhibits NADPH oxidase activity through the regulation of p47phox mRNA and protein expression in THP-1 cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2003, 1640, 113-118.	1.9	41
27	Expression of Inducible Nitric Oxide Synthase and Fas/Fas Ligand Correlates with the Incidence of Apoptotic Cell Death in Atheromatous Plaques of Human Coronary Arteries. Nitric Oxide - Biology and Chemistry, 2000, 4, 561-571.	1.2	38
28	Selective iNOS inhibitor, ONO1714 successfully retards the development of high-cholesterol diet induced atherosclerosis by novel mechanism. Atherosclerosis, 2006, 187, 316-324.	0.4	37
29	A new HMG-CoA reductase inhibitor, pitavastatin remarkably retards the progression of high cholesterol induced atherosclerosis in rabbits. Atherosclerosis, 2004, 176, 255-263.	0.4	35
30	Catechol estrogens mediated activation of Nrf2 through covalent modification of its quinone metabolite to Keap1. Journal of Toxicological Sciences, 2009, 34, 627-635.	0.7	35
31	Reduction of arsenic-induced cytotoxicity through Nrf2/HO-1 signaling in HepG2 cells. Journal of Toxicological Sciences, 2010, 35, 419-423.	0.7	35
32	Nitric oxide: inhibitory effects on endothelial cell calcium signaling, prostaglandin I2 production and nitric oxide synthase expression. Cardiovascular Research, 2004, 62, 194-201.	1.8	34
33	Inhibition of endothelial nitric oxide synthase activity and suppression of endothelium-dependent vasorelaxation by 1,2-naphthoquinone, a component of diesel exhaust particles. Archives of Toxicology, 2006, 80, 280-285.	1.9	34
34	Endothelium-dependent relaxation of rabbit atherosclerotic aorta was not restored by control of hyperlipidemia: the possible role of peroxynitrite (ONOOâ^). Atherosclerosis, 1999, 147, 349-363.	0.4	33
35	Estrogen prevents destabilization of endothelial nitric oxide synthase mRNA induced by tumor necrosis factor Î± through estrogen receptor mediated system. Life Sciences, 2001, 69, 1651-1660.	2.0	33
36	Temporal effects of 17Î²-estradiol on caveolin-1 mRNA and protein in bovine aortic endothelial cells. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 281, H1327-H1333.	1.5	33

#	Article	IF	Citations
37	Role of Arsenic (+3 Oxidation State) Methyltransferase in Arsenic Metabolism and Toxicity. Biological and Pharmaceutical Bulletin, 2012, 35, 1870-1875.	0.6	33
38	HMG-CoA reductase inhibitor stabilizes rabbit atheroma by increasing basal NO and decreasing superoxide. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 281, H75-H83.	1.5	29
39	Up-Regulation of Endothelial Nitric Oxide Synthase through Î²2-Adrenergic Receptorâ€"The Role of a Î²-Blocker with NO-Releasing Action. Biochemical and Biophysical Research Communications, 2001, 280, 589-594.	1.0	28
40	Arsenic and Other Metal Contamination of Groundwater in the Mekong River Delta, Vietnam. Journal of Health Science, 2007, 53, 344-346.	0.9	28
41	1,2-Naphthoquinone disrupts the function of cAMP response element-binding protein through covalent modification. Biochemical and Biophysical Research Communications, 2007, 361, 243-248.	1.0	28
42	Effects of naphthoquinone on airway responsiveness in the presence or absence of antigen in mice. Archives of Toxicology, 2007, 81, 575-581.	1.9	27
43	Inhibition of inducible nitric oxide synthase gene expression by indomethacin or ibuprofen in Î²-amyloid protein-stimulated J774 cells. European Journal of Pharmacology, 2000, 408, 137-141.	1.7	26
44	Rat H9c2 cardiac myocytes are sensitive to arsenite due to a modest activation of transcription factor Nrf2. Archives of Toxicology, 2011, 85, 1509-1516.	1.9	24
45	Anti-Atherosclerotic Effect of Î²-Blocker with Nitric Oxideâ€"Releasing Action on the Severe Atherosclerosis. Journal of Cardiovascular Pharmacology, 2002, 39, 298-309.	0.8	19
46	Sp1 transcription factor expression is regulated by estrogen-related receptor Î±1. Biochemical and Biophysical Research Communications, 2005, 328, 165-172.	1.0	19
47	Downregulation of arginase II and renal apoptosis by inorganic mercury: overexpression of arginase II reduces its apoptosis. Archives of Toxicology, 2008, 82, 67-73.	1.9	18
48	1,2-Naphthoquinone suppresses lipopolysaccharide-dependent activation of IKK.BETA./NF-.KAPPA.B/NO signaling: an alternative mechanism for the disturbance of inducible NO synthase-catalyzed NO formation. Journal of Toxicological Sciences, 2010, 35, 891-898.	0.7	17
49	Arsenite retards the cardiac differentiation of rat cardiac myoblast H9c2 cells. Biochemical and Biophysical Research Communications, 2013, 436, 175-179.	1.0	17
50	Toxicometallomics of Cadmium, Manganese and Arsenic with Special Reference to the Roles of Metal Transporters. Toxicological Research, 2019, 35, 311-317.	1.1	17
51	Reduction of arginase I activity and manganese levels in the liver during exposure of rats to methylmercury: a possible mechanism. Archives of Toxicology, 2008, 82, 803-808.	1.9	16
52	Biological Effects of and Responses to Exposure to Electrophilic Environmental Chemicals. Journal of Health Science, 2008, 54, 267-272.	0.9	16
53	T helper 2-driven immune dysfunction in chronic arsenic-exposed individuals and its link to the features of allergic asthma. Toxicology and Applied Pharmacology, 2021, 420, 115532.	1.3	16
54	Inhibition of DNA binding activity of cAMP response element-binding protein by 1,2-naphthoquinone through chemical modification of Cys-286. Chemico-Biological Interactions, 2011, 192, 272-277.	1.7	15

#	Article	IF	Citations
55	Activation of the Nrf2 pathway, but decreased Î³-glutamylcysteine synthetase heavy subunit chain levels and caspase-3-dependent apoptosis during exposure of primary mouse hepatocytes to diphenylarsinic acid. Toxicology and Applied Pharmacology, 2007, 223, 218-224.	1.3	14
56	Peroxiredoxin 6 is a molecular target for 1,2-naphthoquinone, an atmospheric electrophile, in human pulmonary epithelial A549 cells. Journal of Toxicological Sciences, 2011, 36, 817-821.	0.7	13
57	Estriol retards and stabilizes atherosclerosis through an NO-mediated system. Life Sciences, 2002, 71, 31-42.	2.0	12
58	2,4,6-Trinitrotoluene inhibits endothelial nitric oxide synthase activity and elevates blood pressure in rats. Archives of Toxicology, 2005, 79, 705-710.	1.9	12
59	Alternative splicing variants of human arsenic (+3 oxidation state) methyltransferase. Biochemical and Biophysical Research Communications, 2011, 415, 48-53.	1.0	12
60	The Long-Term Effect of Estriol on Endothelial Function and Bone Mineral Density in Octogenarian Women. Journal of the American Geriatrics Society, 2002, 50, 777-778.	1.3	11
61	Arsenic Secondary Methylation Capacity Is Inversely Associated with Arsenic Exposure-Related Muscle Mass Reduction. International Journal of Environmental Research and Public Health, 2021, 18, 9730.	1.2	10
62	Arsenic trioxide augments all-trans retinoic acid-induced differentiation of HL-60 cells. Life Sciences, 2016, 149, 42-50.	2.0	9
63	Monomethylarsonous Acid Inhibits Endothelial Nitric Oxide Synthase Activity. Journal of Health Science, 2005, 51, 728-730.	0.9	7
64	Serine 1179 phosphorylation of endothelial nitric oxide synthase caused by 2,4,6-trinitrotoluene through PI3K/Akt signaling in endothelial cells. Toxicology and Applied Pharmacology, 2006, 214, 55-60.	1.3	7
65	High accumulation of arsenic in the esophagus of mice after exposure to arsenite. Archives of Toxicology, 2015, 89, 1751-1758.	1.9	7
66	Effects of individual amino acid mutations of zinc transporter ZIP8 on manganese- and cadmium-transporting activity. Biochemical and Biophysical Research Communications, 2022, 616, 26-32.	1.0	7
67	Arsenite suppresses IL-2-dependent tumoricidal activities of natural killer cells. Toxicology and Applied Pharmacology, 2021, 412, 115353.	1.3	6
68	Carbon monoxide derived from heme oxygenase-2 mediates reduction of methylmercury toxicity in SH-SY5Y cells. Toxicology and Applied Pharmacology, 2010, 249, 86-90.	1.3	5
69	Involvement of Nrf2 activation in the upregulation of S100A9 by exposure to inorganic arsenite. International Journal of Molecular Medicine, 2013, 31, 259-264.	1.8	5
70	Comparisons of segment-specific toxicity of platinum-based agents and cadmium using S1, S2, and S3 cells derived from mouse kidney proximal tubules. Toxicology in Vitro, 2021, 75, 105179.	1.1	5
71	Diesel exhaust particles induce a Th2 phenotype in mouse naÃ¯ve mononuclear cells in vitro. Experimental and Therapeutic Medicine, 2010, 1, 761-767.	0.8	4
72	Synergistic augmentation of ATP-induced interleukin-6 production by arsenite in HaCaT cells. Archives of Toxicology, 2016, 90, 1307-1313.	1.9	4

#	Article	IF	Citations
73	Elevated serum periostin levels among arsenic-exposed individuals and their associations with the features of asthma. Chemosphere, 2022, 298, 134277.	4.2	4
74	Chronic exposure to arsenite induces S100A8 and S100A9 expression in rat RBL-2H3 mast cells. Journal of Toxicological Sciences, 2011, 36, 135-139.	0.7	3
75	Chronic exposure to submicromolar arsenite promotes the migration of human esophageal Het1A cells induced by heparin-binding EGF-like growth factor. Archives of Toxicology, 2019, 93, 3523-3534.	1.9	2
76	Gender Differences in the Risk of Metabolic Syndrome Among Chronic Arsenic-Exposed Individuals in Bangladesh. Exposure and Health, 2022, 14, 595-608.	2.8	2
77	Bismuth. , 2022, , 121-139.		2
78	Hydrogen peroxide triggers a novel alternative splicing of arsenic (+3Âoxidation state) methyltransferase gene. Biochemical and Biophysical Research Communications, 2016, 480, 18-22.	1.0	1
79	Arsenite suppresses NO production evoked by lipopolysaccharide and poly(I:C) via the suppression of interferon-Î² expression in RAW264.7 cells. Journal of Toxicological Sciences, 2019, 44, 83-92.	0.7	1
80	Arsenite suppresses the transcriptional activity of EVI1 through the binding to CCHC-type Zn finger domain. Biochemical and Biophysical Research Communications, 2020, 529, 910-915.	1.0	1