

# Daigo Sumi

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

80  
papers

2,774  
citations

31  
h-index

51  
g-index

83  
ext. papers

2,995  
ext. citations

5.1  
avg. IF

4.61  
L-index

#	Paper	IF	Citations
80	Cerivastatin, a hydroxymethylglutaryl coenzyme a reductase inhibitor, improves endothelial function in elderly diabetic patients within 3 days. <i>Circulation</i> , <b>2001</b> , 104, 376-9	16.7	229
79	Arsenic: signal transduction, transcription factor, and biotransformation involved in cellular response and toxicity. <i>Annual Review of Pharmacology and Toxicology</i> , <b>2007</b> , 47, 243-62	17.9	206
78	Pomegranate juice protects nitric oxide against oxidative destruction and enhances the biological actions of nitric oxide. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2006</b> , 15, 93-102	5	116
77	Cytoprotective role of Nrf2/Keap1 system in methylmercury toxicity. <i>Biochemical and Biophysical Research Communications</i> , <b>2007</b> , 363, 645-50	3.4	109
76	Import into mitochondria of phospholipid hydroperoxide glutathione peroxidase requires a leader sequence. <i>Biochemical and Biophysical Research Communications</i> , <b>1996</b> , 227, 433-9	3.4	95
75	Estrogen-related receptor alpha 1 up-regulates endothelial nitric oxide synthase expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 14451-6	11.5	90
74	Dehydroepiandrosterone retards atherosclerosis formation through its conversion to estrogen: the possible role of nitric oxide. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2000</b> , 20, 782-92	9.4	90
73	A HMG-CoA reductase inhibitor possesses a potent anti-atherosclerotic effect other than serum lipid lowering effects--the relevance of endothelial nitric oxide synthase and superoxide anion scavenging action. <i>Atherosclerosis</i> , <b>2001</b> , 155, 347-57	3.1	90
72	Chemical knockdown of protein-tyrosine phosphatase 1B by 1,2-naphthoquinone through covalent modification causes persistent transactivation of epidermal growth factor receptor. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 33396-33404	5.4	87
71	Increased expression of elastolytic cysteine proteases, cathepsins S and K, in the neointima of balloon-injured rat carotid arteries. <i>American Journal of Pathology</i> , <b>2004</b> , 164, 243-51	5.8	80
70	Sulforaphane, an activator of Nrf2, suppresses cellular accumulation of arsenic and its cytotoxicity in primary mouse hepatocytes. <i>FEBS Letters</i> , <b>2006</b> , 580, 1771-4	3.8	79
69	Effects of a pomegranate fruit extract rich in punicalagin on oxidation-sensitive genes and eNOS activity at sites of perturbed shear stress and atherogenesis. <i>Cardiovascular Research</i> , <b>2007</b> , 73, 414-23	9.9	69
68	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. <i>Biochemical and Biophysical Research Communications</i> , <b>1999</b> , 259, 414-9	3.4	68
67	Overexpression of phospholipid hydroperoxide glutathione peroxidase suppressed cell death due to oxidative damage in rat basophile leukemia cells (RBL-2H3). <i>Biochemical and Biophysical Research Communications</i> , <b>1996</b> , 222, 432-8	3.4	65
66	Beneficial effects of concurrent autologous bone marrow cell therapy and metabolic intervention in ischemia-induced angiogenesis in the mouse hindlimb. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 17202-6	11.5	62
65	Sarpogrelate HCl, a selective 5-HT <sub>2A</sub> antagonist, retards the progression of atherosclerosis through a novel mechanism. <i>Atherosclerosis</i> , <b>2003</b> , 168, 23-31	3.1	54
64	L-Xylulose reductase is involved in 9,10-phenanthrenequinone-induced apoptosis in human T lymphoma cells. <i>Free Radical Biology and Medicine</i> , <b>2008</b> , 44, 1191-202	7.8	52

63	Redox cycling of 9,10-phenanthraquinone to cause oxidative stress is terminated through its monoglucuronide conjugation in human pulmonary epithelial A549 cells. <i>Free Radical Biology and Medicine</i> , <b>2008</b> , 44, 1645-55	7.8	48
62	Initial response and cellular protection through the Keap1/Nrf2 system during the exposure of primary mouse hepatocytes to 1,2-naphthoquinone. <i>Chemical Research in Toxicology</i> , <b>2011</b> , 24, 559-67	4	47
61	Gene transfer of endothelial NO synthase, but not eNOS plus inducible NOS, regressed atherosclerosis in rabbits. <i>Cardiovascular Research</i> , <b>2004</b> , 61, 339-51	9.9	47
60	Signal transduction pathways and transcription factors triggered by arsenic trioxide in leukemia cells. <i>Toxicology and Applied Pharmacology</i> , <b>2010</b> , 244, 385-92	4.6	44
59	Role of aquaporin 9 in cellular accumulation of arsenic and its cytotoxicity in primary mouse hepatocytes. <i>Toxicology and Applied Pharmacology</i> , <b>2009</b> , 237, 232-6	4.6	43
58	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. <i>Diabetes</i> , <b>2004</b> , 53, 1841-50	0.9	42
57	17beta-estradiol inhibits NADPH oxidase activity through the regulation of p47phox mRNA and protein expression in THP-1 cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2003</b> , 1640, 113-8	4.9	38
56	Physiological concentration of 17beta-estradiol retards the progression of severe atherosclerosis induced by a high-cholesterol diet plus balloon catheter injury: role of NO. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2000</b> , 20, 1613-21	9.4	37
55	Catechol estrogens mediated activation of Nrf2 through covalent modification of its quinone metabolite to Keap1. <i>Journal of Toxicological Sciences</i> , <b>2009</b> , 34, 627-35	1.9	35
54	Modulating role of estradiol on arginase II expression in hyperlipidemic rabbits as an atheroprotective mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 10485-10490	11.5	35
53	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. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2000</b> , 4, 561-71	5	35
52	Reduction of arsenic-induced cytotoxicity through Nrf2/HO-1 signaling in HepG2 cells. <i>Journal of Toxicological Sciences</i> , <b>2010</b> , 35, 419-23	1.9	34
51	Inhibition of endothelial nitric oxide synthase activity and suppression of endothelium-dependent vasorelaxation by 1,2-naphthoquinone, a component of diesel exhaust particles. <i>Archives of Toxicology</i> , <b>2006</b> , 80, 280-5	5.8	33
50	Selective iNOS inhibitor, ONO1714 successfully retards the development of high-cholesterol diet induced atherosclerosis by novel mechanism. <i>Atherosclerosis</i> , <b>2006</b> , 187, 316-24	3.1	32
49	A new HMG-CoA reductase inhibitor, pitavastatin remarkably retards the progression of high cholesterol induced atherosclerosis in rabbits. <i>Atherosclerosis</i> , <b>2004</b> , 176, 255-63	3.1	30
48	Temporal effects of 17beta-estradiol on caveolin-1 mRNA and protein in bovine aortic endothelial cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2001</b> , 281, H1327-33	5.2	30
47	Nitric oxide: inhibitory effects on endothelial cell calcium signaling, prostaglandin I2 production and nitric oxide synthase expression. <i>Cardiovascular Research</i> , <b>2004</b> , 62, 194-201	9.9	28
46	Role of arsenic (+3 oxidation state) methyltransferase in arsenic metabolism and toxicity. <i>Biological and Pharmaceutical Bulletin</i> , <b>2012</b> , 35, 1870-5	2.3	27

45	Estrogen prevents destabilization of endothelial nitric oxide synthase mRNA induced by tumor necrosis factor alpha through estrogen receptor mediated system. <i>Life Sciences</i> , <b>2001</b> , 69, 1651-60	6.8	27
44	Endothelium-dependent relaxation of rabbit atherosclerotic aorta was not restored by control of hyperlipidemia: the possible role of peroxynitrite (ONOO(-)). <i>Atherosclerosis</i> , <b>1999</b> , 147, 349-63	3.1	27
43	Up-regulation of endothelial nitric oxide synthase through beta(2)-adrenergic receptor--the role of a beta-blocker with NO-releasing action. <i>Biochemical and Biophysical Research Communications</i> , <b>2001</b> , 280, 589-94	3.4	26
42	1,2-Naphthoquinone disrupts the function of cAMP response element-binding protein through covalent modification. <i>Biochemical and Biophysical Research Communications</i> , <b>2007</b> , 361, 243-8	3.4	25
41	HMG-CoA reductase inhibitor stabilizes rabbit atheroma by increasing basal NO and decreasing superoxide. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2001</b> , 281, H75-83	5.2	25
40	Arsenic and Other Metal Contamination of Groundwater in the Mekong River Delta, Vietnam. <i>Journal of Health Science</i> , <b>2007</b> , 53, 344-346		22
39	Inhibition of inducible nitric oxide synthase gene expression by indomethacin or ibuprofen in beta-amyloid protein-stimulated J774 cells. <i>European Journal of Pharmacology</i> , <b>2000</b> , 408, 137-41	5.3	22
38	Effects of naphthoquinone on airway responsiveness in the presence or absence of antigen in mice. <i>Archives of Toxicology</i> , <b>2007</b> , 81, 575-81	5.8	20
37	Rat H9c2 cardiac myocytes are sensitive to arsenite due to a modest activation of transcription factor Nrf2. <i>Archives of Toxicology</i> , <b>2011</b> , 85, 1509-16	5.8	19
36	Sp1 transcription factor expression is regulated by estrogen-related receptor alpha1. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 328, 165-72	3.4	18
35	Anti-atherosclerotic effect of beta-blocker with nitric oxide-releasing action on the severe atherosclerosis. <i>Journal of Cardiovascular Pharmacology</i> , <b>2002</b> , 39, 298-309	3.1	16
34	Arsenite retards the cardiac differentiation of rat cardiac myoblast H9c2 cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2013</b> , 436, 175-9	3.4	15
33	1,2-Naphthoquinone suppresses lipopolysaccharide-dependent activation of IKK/NF-B/NO signaling: an alternative mechanism for the disturbance of inducible NO synthase-catalyzed NO formation. <i>Journal of Toxicological Sciences</i> , <b>2010</b> , 35, 891-8	1.9	15
32	Reduction of arginase I activity and manganese levels in the liver during exposure of rats to methylmercury: a possible mechanism. <i>Archives of Toxicology</i> , <b>2008</b> , 82, 803-8	5.8	15
31	Biological Effects of and Responses to Exposure to Electrophilic Environmental Chemicals. <i>Journal of Health Science</i> , <b>2008</b> , 54, 267-272		14
30	Inhibition of DNA binding activity of cAMP response element-binding protein by 1,2-naphthoquinone through chemical modification of Cys-286. <i>Chemico-Biological Interactions</i> , <b>2011</b> , 192, 272-7	5	13
29	Peroxiredoxin 6 is a molecular target for 1,2-naphthoquinone, an atmospheric electrophile, in human pulmonary epithelial A549 cells. <i>Journal of Toxicological Sciences</i> , <b>2011</b> , 36, 817-21	1.9	12
28	Downregulation of arginase II and renal apoptosis by inorganic mercury: overexpression of arginase II reduces its apoptosis. <i>Archives of Toxicology</i> , <b>2008</b> , 82, 67-73	5.8	12

27	Activation of the Nrf2 pathway, but decreased gamma-glutamylcysteine synthetase heavy subunit chain levels and caspase-3-dependent apoptosis during exposure of primary mouse hepatocytes to diphenylarsinic acid. <i>Toxicology and Applied Pharmacology</i> , <b>2007</b> , 223, 218-24	4.6	11
26	Estriol retards and stabilizes atherosclerosis through an NO-mediated system. <i>Life Sciences</i> , <b>2002</b> , 71, 31-42	6.8	11
25	The long-term effect of estriol on endothelial function and bone mineral density in octogenarian women. <i>Journal of the American Geriatrics Society</i> , <b>2002</b> , 50, 777-8	5.6	10
24	2,4,6-Trinitrotoluene inhibits endothelial nitric oxide synthase activity and elevates blood pressure in rats. <i>Archives of Toxicology</i> , <b>2005</b> , 79, 705-10	5.8	10
23	Alternative splicing variants of human arsenic (+3 oxidation state) methyltransferase. <i>Biochemical and Biophysical Research Communications</i> , <b>2011</b> , 415, 48-53	3.4	9
22	Toxicometallomics of Cadmium, Manganese and Arsenic with Special Reference to the Roles of Metal Transporters. <i>Toxicological Research</i> , <b>2019</b> , 35, 311-317	3.7	9
21	Arsenic trioxide augments all-trans retinoic acid-induced differentiation of HL-60 cells. <i>Life Sciences</i> , <b>2016</b> , 149, 42-50	6.8	7
20	Serine 1179 phosphorylation of endothelial nitric oxide synthase caused by 2,4,6-trinitrotoluene through PI3K/Akt signaling in endothelial cells. <i>Toxicology and Applied Pharmacology</i> , <b>2006</b> , 214, 55-60	4.6	6
19	Monomethylarsonous Acid Inhibits Endothelial Nitric Oxide Synthase Activity. <i>Journal of Health Science</i> , <b>2005</b> , 51, 728-730		6
18	Carbon monoxide derived from heme oxygenase-2 mediates reduction of methylmercury toxicity in SH-SY5Y cells. <i>Toxicology and Applied Pharmacology</i> , <b>2010</b> , 249, 86-90	4.6	5
17	High accumulation of arsenic in the esophagus of mice after exposure to arsenite. <i>Archives of Toxicology</i> , <b>2015</b> , 89, 1751-8	5.8	4
16	Involvement of Nrf2 activation in the upregulation of S100A9 by exposure to inorganic arsenite. <i>International Journal of Molecular Medicine</i> , <b>2013</b> , 31, 259-64	4.4	4
15	Diesel exhaust particles induce a Th2 phenotype in mouse naïve mononuclear cells in vitro. <i>Experimental and Therapeutic Medicine</i> , <b>2010</b> , 1, 761-767	2.1	4
14	Synergistic augmentation of ATP-induced interleukin-6 production by arsenite in HaCaT cells. <i>Archives of Toxicology</i> , <b>2016</b> , 90, 1307-13	5.8	3
13	Chronic exposure to arsenite induces S100A8 and S100A9 expression in rat RBL-2H3 mast cells. <i>Journal of Toxicological Sciences</i> , <b>2011</b> , 36, 135-9	1.9	3
12	T helper 2-driven immune dysfunction in chronic arsenic-exposed individuals and its link to the features of allergic asthma. <i>Toxicology and Applied Pharmacology</i> , <b>2021</b> , 420, 115532	4.6	3
11	Arsenite suppresses IL-2-dependent tumoricidal activities of natural killer cells. <i>Toxicology and Applied Pharmacology</i> , <b>2021</b> , 412, 115353	4.6	3
10	Chronic exposure to submicromolar arsenite promotes the migration of human esophageal Het1A cells induced by heparin-binding EGF-like growth factor. <i>Archives of Toxicology</i> , <b>2019</b> , 93, 3523-3534	5.8	2

9	Arsenic Secondary Methylation Capacity Is Inversely Associated with Arsenic Exposure-Related Muscle Mass Reduction. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	2
8	Effects of individual amino acid mutations of zinc transporter ZIP8 on manganese- and cadmium-transporting activity. <i>Biochemical and Biophysical Research Communications</i> , <b>2022</b> , 616, 26-32	3.4	2
7	Gender Differences in the Risk of Metabolic Syndrome Among Chronic Arsenic-Exposed Individuals in Bangladesh. <i>Exposure and Health</i> , 1	8.8	1
6	Arsenite suppresses the transcriptional activity of EVI1 through the binding to CCHC-type Zn finger domain. <i>Biochemical and Biophysical Research Communications</i> , <b>2020</b> , 529, 910-915	3.4	1
5	Comparisons of segment-specific toxicity of platinum-based agents and cadmium using S1, S2, and S3 cells derived from mouse kidney proximal tubules. <i>Toxicology in Vitro</i> , <b>2021</b> , 75, 105179	3.6	1
4	Arsenite suppresses NO production evoked by lipopolysaccharide and poly(I:C) via the suppression of interferon- $\beta$ expression in RAW264.7 cells. <i>Journal of Toxicological Sciences</i> , <b>2019</b> , 44, 83-92	1.9	0
3	Bismuth <b>2022</b> , 121-139		0
2	Elevated serum periostin levels among arsenic-exposed individuals and their associations with the features of asthma.. <i>Chemosphere</i> , <b>2022</b> , 134277	8.4	0
1	Hydrogen peroxide triggers a novel alternative splicing of arsenic (+3 oxidation state) methyltransferase gene. <i>Biochemical and Biophysical Research Communications</i> , <b>2016</b> , 480, 18-22	3.4	