Gaku Ichihara

List of Publications by Year
in descending order

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124 papers	3,796 citations	101543 36 h-index	155660 55 g-index
130 all docs	130 docs citations	130 times ranked	4181 citing authors

#	Article	IF	Citations
1	Transcriptome analysis of human cholangiocytes exposed to carcinogenic 1,2-dichloropropane in the presence of macrophages in vitro. Scientific Reports, 2022, 12, .	3.3	1
2	Genetic ablation of Nrf2 exacerbates neurotoxic effects of acrylamide in mice. Toxicology, 2021, 456, 152785.	4.2	13
3	Nrf2 Activation Attenuates Acrylamide-Induced Neuropathy in Mice. International Journal of Molecular Sciences, 2021, 22, 5995.	4.1	21
4	Role of Macrophages in Cytotoxicity, Reactive Oxygen Species Production and DNA Damage in 1,2-Dichloropropane-Exposed Human Cholangiocytes In Vitro. Toxics, 2021, 9, 128.	3.7	5
5	1,2-Dichloropropane induces Î³-H2AX expression in human cholangiocytes only in the presence of macrophages. Toxicology Letters, 2021, 349, 134-144.	0.8	5
6	Occupational exposure limits for acetaldehyde, 2-bromopropane, glyphosate, manganese and inorganic manganese compounds, and zinc oxide nanoparticle, and the biological exposure indices for cadmium and cadmium compounds and ethylbenzene, and carcinogenicity, occupational sensitizer, and reproductive toxicant classifications. Journal of Occupational Health, 2021, 63, e12294.	2.1	4
7	Effects of physiochemical characteristic of nano-sized TiO2 on the adhesion of monocytes to endothelial cells. NanoImpact, 2020, 20, 100257.	4.5	4
8	Proteomic analysis of liver proteins of mice exposed to 1,2-dichloropropane. Archives of Toxicology, 2020, 94, 2691-2705.	4.2	9
9	Exposure to acrylamide decreases noradrenergic axons in rat brain. NeuroToxicology, 2020, 78, 127-133.	3.0	16
10	Functionalized Surface-Charged SiO₂ Nanoparticles Induce Pro-Inflammatory Responses, but Are Not Lethal to Caco-2 Cells. Chemical Research in Toxicology, 2020, 33, 1226-1236.	3.3	7
11	Occupational exposure limits for cumene, 2,4â€dichlorophenoxy acetic acid, silicon carbide whisker, benzyl alcohol, and methylamine, and carcinogenicity, occupational sensitizer, and reproductive toxicant classifications. Journal of Occupational Health, 2019, 61, 328-330.	2.1	2
12	Proteomic analysis of hippocampal proteins in acrylamide-exposed Wistar rats. Archives of Toxicology, 2019, 93, 1993-2006.	4.2	13
13	Pyrrole adducts in globin and plasma of workers exposed to hexane. International Archives of Occupational and Environmental Health, 2019, 92, 873-881.	2.3	6
14	Urinary trimethyl tin reflects blood trimethyl tin in workers recycling organotins. Journal of Occupational Health, 2019, 61, 257-260.	2.1	8
15	Drosophila melanogaster as an in vivo model to study the potential toxicity of cerium oxide nanoparticles. Applied Surface Science, 2019, 490, 70-80.	6.1	25
16	Role of microglial activation and neuroinflammation in neurotoxicity of acrylamide in vivo and in vitro. Archives of Toxicology, 2019, 93, 2007-2019.	4.2	42
17	Ablation of aryl hydrocarbon receptor promotes angiotensin II-induced cardiac fibrosis through enhanced c-Jun/HIF-1Î± signaling. Archives of Toxicology, 2019, 93, 1543-1553.	4.2	37
18	Particle toxicology and health - where are we?. Particle and Fibre Toxicology, 2019, 16, 19.	6.2	133

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19	Evaluation of hydroxyapatite nanoparticles - induced in vivo toxicity in Drosophila melanogaster. Applied Surface Science, 2019, 484, 568-577.	6.1	30
20	Toxicological Evaluation of SiO2 Nanoparticles by Zebrafish Embryo Toxicity Test. International Journal of Molecular Sciences, 2019, 20, 882.	4.1	48
21	Role of Nrf2 in inflammatory response in lung of mice exposed to zinc oxide nanoparticles. Particle and Fibre Toxicology, 2019, 16, 47.	6.2	22
22	Exposure to 1,2-Dichloropropane Upregulates the Expression of Activation-Induced Cytidine Deaminase (AID) in Human Cholangiocytes Co-Cultured With Macrophages. Toxicological Sciences, 2019, 168, 137-148.	3.1	13
23	Exposure of Mice to 1,2-Dichloropropane Induces CYP450-Dependent Proliferation and Apoptosis of Cholangiocytes. Toxicological Sciences, 2018, 162, 559-569.	3.1	15
24	Pulmonary hypofunction due to calcium carbonate nanomaterial exposure in occupational workers: a cross-sectional study. Nanotoxicology, 2018, 12, 571-585.	3.0	10
25	Carcinogenicity of isobutyl nitrite, Î²-picoline, and some acrylates. Lancet Oncology, The, 2018, 19, 1020-1022.	10.7	4
26	Occupational Exposure Limits for ethylidene norbornene, ethyleneimine, benomyl, and 2,3â€epoxypropyl methacrylate, and classifications on carcinogenicity. Journal of Occupational Health, 2018, 60, 333-335.	2.1	1
27	The DNA methylation profile of liver tumors in C3H mice and identification of differentially methylated regions involved in the regulation of tumorigenic genes. BMC Cancer, 2018, 18, 317.	2.6	12
28	Proteomics analysis identified peroxiredoxin 2 involved in early-phase left ventricular impairment in hamsters with cardiomyopathy. PLoS ONE, 2018, 13, e0192624.	2.5	5
29	Effect of 4-week inhalation exposure to 1-bromopropane on blood pressure in rats. Journal of Applied Toxicology, 2017, 37, 331-338.	2.8	5
30	Occupational exposure limits for ethylene glycol monobutyl ether, isoprene, isopropyl acetate and propyleneimine, and classifications on carcinogenicity, occupational sensitizer and reproductive toxicant. Journal of Occupational Health, 2017, 59, 364-366.	2.1	1
31	Titanium Dioxide Particle Type and Concentration Influence the Inflammatory Response in Caco-2 Cells. International Journal of Molecular Sciences, 2016, 17, 576.	4.1	42
32	Exposure assessment and heart rate variability monitoring in workers handling titanium dioxide particles: a pilot study. Journal of Nanoparticle Research, 2016, 18, 1.	1.9	11
33	Preliminary characterization of a murine model for 1-bromopropane neurotoxicity: Role of cytochrome P450. Toxicology Letters, 2016, 258, 249-258.	0.8	12
34	Role of cytochrome P450s in the male reproductive toxicity of 1-bromopropane. Toxicology Research, 2016, 5, 1522-1529.	2.1	2
35	Magnetic resonance imaging of leukoencephalopathy in amnestic workers exposed to organotin. NeuroToxicology, 2016, 57, 128-135.	3.0	7
36	Occupational Exposure Limits of lead, dimethylamine, nâ€butylâ€2,3 epoxypropyl ether, and 2â€ethylâ€1â€hexanol and carcinogenicity and occupational sensitizer classification. Journal of Occupational Health, 2016, 58, 385-387.	2.1	2

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37	Single- and double-walled carbon nanotubes enhance atherosclerogenesis by promoting monocyte adhesion to endothelial cells and endothelial progenitor cell dysfunction. Particle and Fibre Toxicology, 2015, 13, 54.	6.2	23
38	Enhanced constitutive invasion activity in human nontumorigenic keratinocytes exposed to a low level of barium for a long time. Environmental Toxicology, 2015, 30, 161-167.	4.0	10
39	Zn(II) released from zinc oxide nano/micro particles suppresses vasculogenesis in human endothelial colony-forming cells. Toxicology Reports, 2015, 2, 692-701.	3.3	30
40	Hippocampal phosphoproteomics of F344 rats exposed to 1-bromopropane. Toxicology and Applied Pharmacology, 2015, 282, 151-160.	2.8	4
41	Synergistic Effect of Bolus Exposure to Zinc Oxide Nanoparticles on Bleomycin-Induced Secretion of Pro-Fibrotic Cytokines without Lasting Fibrotic Changes in Murine Lungs. International Journal of Molecular Sciences, 2015, 16, 660-676.	4.1	10
42	Copper Oxide Nanoparticles Reduce Vasculogenesis in Transgenic Zebrafish Through Down-Regulation of Vascular Endothelial Growth Factor Expression and Induction of Apoptosis. Journal of Nanoscience and Nanotechnology, 2015, 15, 2140-2147.	0.9	22
43	A trial to find appropriate animal models of dichloropropaneâ€induced cholangiocarcinoma based on the hepatic distribution of glutathione Sâ€transferases. Journal of Occupational Health, 2015, 57, 548-554.	2.1	7
44	Dispersion Method for Safety Research on Manufactured Nanomaterials. Industrial Health, 2014, 52, 54-65.	1.0	37
45	Expression of proteins associated with adipocyte lipolysis was significantly changed in the adipose tissues of the obese spontaneously hypertensive/NDmcr-cp rat. Diabetology and Metabolic Syndrome, 2014, 6, 8.	2.7	12
46	Zinc oxide nanoparticles induce migration and adhesion of monocytes to endothelial cells and accelerate foam cell formation. Toxicology and Applied Pharmacology, 2014, 278, 16-25.	2.8	52
47	Effects of Nanomaterials on Cardiovascular System. Transactions of the Materials Research Society of Japan, 2014, 39, 373-378.	0.2	1
48	Time Course of Blood Parameters in Printing Workers with Cholangiocarcinoma. Journal of Occupational Health, 2014, 56, 279-284.	2.1	11
49	Rats with metabolic syndrome resist the protective effects of N-acetyl l-cystein against impaired spermatogenesis induced by high-phosphorus/zinc-free diet. Experimental and Toxicologic Pathology, 2013, 65, 1173-1182.	2.1	6
50	Effects of sub-acute and sub-chronic inhalation of 1-bromopropane on neurogenesis in adult rats. Toxicology, 2013, 304, 76-82.	4.2	8
51	Identification of a Glutamic Acid Repeat Polymorphism of ALMS1 as a Novel Genetic Risk Marker for Early-Onset Myocardial Infarction by Genome-Wide Linkage Analysis. Circulation: Cardiovascular Genetics, 2013, 6, 569-578.	5.1	17
52	Trends in Asbestos and Non-asbestos Fibre Concentrations in the Lung Tissues of Japanese Patients with Mesothelioma. Annals of Occupational Hygiene, 2013, 58, 103-20.	1.9	1
53	Serial changes in adipocytokines and cardiac function in a rat model of the metabolic syndrome. Clinical and Experimental Pharmacology and Physiology, 2013, 40, 443-448.	1.9	15
54	Cholangiocarcinoma among offset colour proof-printing workers exposed to 1,2-dichloropropane and/or dichloromethane. Occupational and Environmental Medicine, 2013, 70, 508-510.	2.8	132

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55	Effects of Exposure to 1â€Bromopropane on Astrocytes and Oligodendrocytes in Rat Brain. Journal of Occupational Health, 2013, 55, 29-38.	2.1	8
56	Comparison of Barium and Arsenic Concentrations in Well Drinking Water and in Human Body Samples and a Novel Remediation System for These Elements in Well Drinking Water. PLoS ONE, 2013, 8, e66681.	2.5	46
57	A Case of Severe Neurotoxicity Associated With Exposure to 1-Bromopropane, an Alternative to Ozone-Depleting or Global-Warming Solvents. Archives of Internal Medicine, 2012, 172, 1257.	3.8	23
58	Occupational exposure to neurotoxic substances in Asian countries â€“ Challenges and approaches. NeuroToxicology, 2012, 33, 853-861.	3.0	10
59	Proteomic identification of carbonylated proteins in F344 rat hippocampus after 1-bromopropane exposure. Toxicology and Applied Pharmacology, 2012, 263, 44-52.	2.8	11
60	Exposure to 1-bromopropane induces microglial changes and oxidative stress in the rat cerebellum. Toxicology, 2012, 302, 18-24.	4.2	25
61	Altered gene and protein expression in liver of the obese spontaneously hypertensive/NDmcr-cp rat. Nutrition and Metabolism, 2012, 9, 87.	3.0	9
62	Neurotoxicity of 1-bromopropane: Evidence from animal experiments and human studies. Journal of Advanced Research, 2012, 3, 91-98.	9.5	28
63	Dose-Dependent Neurologic Abnormalities in Workers Exposed to 1-Bromopropane. Journal of Occupational and Environmental Medicine, 2011, 53, 1095-1098.	1.7	1
64	Proteomic analysis of hippocampal proteins of F344 rats exposed to 1-bromopropane. Toxicology and Applied Pharmacology, 2011, 257, 93-101.	2.8	12
65	Exposure to 1-bromopropane causes degeneration of noradrenergic axons in the rat brain. Toxicology, 2011, 285, 67-71.	4.2	17
66	Diameter and rigidity of multiwalled carbon nanotubes are critical factors in mesothelial injury and carcinogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E1330-8.	7.1	437
67	Pleural Plaque Profiles on the Chest Radiographs and CT Scans of Asbestos-exposed Japanese Construction Workers. Industrial Health, 2011, 49, 626-633.	1.0	9
68	Dose-Dependent Neurologic Abnormalities in Workers Exposed to 1-Bromopropane. Journal of Occupational and Environmental Medicine, 2010, 52, 769-777.	1.7	26
69	Ablation of the Transcription Factor Nrf2 Promotes Ischemia-Induced Neovascularization by Enhancing the Inflammatory Response. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 1553-1561.	2.4	37
70	Increased Susceptibility of Nrf2-Null Mice to 1-Bromopropaneâ€“Induced Hepatotoxicity. Toxicological Sciences, 2010, 115, 596-606.	3.1	48
71	Comparative Study on Susceptibility to 1-Bromopropane in Three Mice Strains. Toxicological Sciences, 2009, 112, 100-110.	3.1	19
72	Melatonin pretreatment attenuates 2-bromopropane-induced testicular toxicity in rats. Toxicology, 2009, 256, 75-82.	4.2	43

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73	Inhibition of ischemia-induced angiogenesis by benzo[a]pyrene in a manner dependent on the aryl hydrocarbon receptor. Biochemical and Biophysical Research Communications, 2009, 381, 44-49.	2.1	31
74	Changes in neurotransmitter receptor expression levels in rat brain after 4-week exposure to 1-bromopropane. NeuroToxicology, 2009, 30, 1078-1083.	3.0	13
75	Carbon Nanotubes in historical and future perspective Summary of an Extended Session at Carbon 2008 in Nagano (JP). Particle and Fibre Toxicology, 2008, 5, 21.	6.2	3
76	Molecular mechanism of trichloroethylene-induced hepatotoxicity mediated by CYP2E1. Toxicology and Applied Pharmacology, 2008, 231, 300-307.	2.8	47
77	Occupational health survey on workers handling titanium dioxide. Toxicology Letters, 2008, 180, S222.	0.8	1
78	Methylation of Dimethyltin in Mice and Rats. Chemical Research in Toxicology, 2008, 21, 467-471.	3.3	17
79	Letter to the Editor. Journal of Toxicological Sciences, 2008, 33, 381-382.	1.5	30
80	Reversibility of the Adverse Effects of 1-Bromopropane Exposure in Rats. Toxicological Sciences, 2007, 100, 504-512.	3.1	14
81	Globin S-Propyl Cysteine and Urinary N-Acetyl-S-Propylcysteine as Internal Biomarkers of 1-Bromopropane Exposure. Toxicological Sciences, 2007, 98, 427-435.	3.1	24
82	A Role for the Aryl Hydrocarbon Receptor in Regulation of Ischemia-Induced Angiogenesis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 1297-1304.	2.4	53
83	Differential Cardiovascular Effects of Endotoxin Derived from Escherichia coli or Pseudomonas aeruginosa. Experimental Animals, 2007, 56, 339-348.	1.1	14
84	Chemopreventive Effect of Selenium-Enriched Japanese Radish Sprout against Breast Cancer Induced by 7,12-Dimethylbenz[a]anthracene in Rats. Tohoku Journal of Experimental Medicine, 2007, 212, 191-198.	1.2	21
85	Di(2â€ethylhexyl)phthalate Induces Hepatic Tumorigenesis through a Peroxisome Proliferatorâ€activated Receptor Î±â€independent Pathway. Journal of Occupational Health, 2007, 49, 172-182.	2.1	124
86	Roles of oxidative stress and Akt signaling in doxorubicin cardiotoxicity. Biochemical and Biophysical Research Communications, 2007, 359, 27-33.	2.1	42
87	Attenuation of oxidative stress and cardiac dysfunction by bisoprolol in an animal model of dilated cardiomyopathy. Biochemical and Biophysical Research Communications, 2006, 350, 105-113.	2.1	29
88	Attenuation of cardiac dysfunction by a PPAR-Î± agonist is associated with down-regulation of redox-regulated transcription factors. Journal of Molecular and Cellular Cardiology, 2006, 41, 318-329.	1.9	106
89	Effects of exposure of rat dams to 1-bromopropane during pregnancy and lactation on growth and sexual maturation of their offspring. Toxicology, 2006, 224, 219-228.	4.2	5
90	Pravastatin increases survival and suppresses an increase in myocardial matrix metalloproteinase activity in a rat model of heart failure. Cardiovascular Research, 2006, 69, 726-735.	3.8	75

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91	Species differences in the metabolism of di(2-ethylhexyl) phthalate (DEHP) in several organs of mice, rats, and marmosets. Archives of Toxicology, 2005, 79, 147-154.	4.2	70
92	A comprehensive evaluation of the testicular toxicity of dichlorvos in Wistar rats. Toxicology, 2005, 213, 129-137.	4.2	112
93	Neuro-reproductive toxicities of 1-bromopropane and 2-bromopropane. International Archives of Occupational and Environmental Health, 2005, 78, 79-96.	2.3	42
94	Neurologic Abnormalities in Workers of a 1-Bromopropane Factory. Environmental Health Perspectives, 2004, 112, 1319-1325.	6.0	54
95	A survey on exposure level, health status, and biomarkers in workers exposed to 1-bromopropane. American Journal of Industrial Medicine, 2004, 45, 63-75.	2.1	45
96	Serial Alterations of .BETA.-Adrenergic Signaling in Dilated Cardiomyopathic Hamsters-Possible Role of Myocardial Oxidative Stress-. Circulation Journal, 2004, 68, 1051-1060.	1.6	36
97	A Survey of Semen Indices in Insecticide Sprayers. Journal of Occupational Health, 2004, 46, 109-118.	2.1	91
98	Dose-Dependent Biochemical Changes in Rat Central Nervous System after 12-Week Exposure to 1-Bromopropane. NeuroToxicology, 2003, 24, 199-206.	3.0	47
99	Exposure to 1-Bromopropane Causes Ovarian Dysfunction in Rats. Toxicological Sciences, 2003, 71, 96-103.	3.1	43
100	Generalized Skin Reactions in Relation to Trichloroethylene Exposure: A Review from the Viewpoint of Drugâ€Metabolizing Enzymes. Journal of Occupational Health, 2003, 45, 8-14.	2.1	38
101	Biochemical Changes in the Central Nervous System of Rats Exposed to 1-Bromopropane for Seven Days. Toxicological Sciences, 2002, 67, 114-120.	3.1	44
102	Involvement of Caspase 3 Mediated Apoptosis in Hematopoietic Cytotoxicity of Metabolites of Ethylene Glycol Monomethyl Ether.. Industrial Health, 2002, 40, 371-374.	1.0	8
103	Neurological Disorders in Three Workers Exposed to 1â€Bromopropane. Journal of Occupational Health, 2002, 44, 1-7.	2.1	66
104	Neurotoxicity of 2-Bromopropane and 1-Bromopropane, Alternative Solvents for Chlorofluorocarbons. Environmental Research, 2001, 85, 48-52.	7.5	39
105	Changes in Cholinesterase Activity, Nerve Conduction Velocity, and Clinical Signs and Symptoms in Termite Control Operators Exposed to Chlorpyrifos. Journal of Occupational Health, 2001, 43, 157-164.	2.1	13
106	Involvement of Bcl-2 Family Genes and Fas Signaling System in Primary and Secondary Male Germ Cell Apoptosis Induced by 2-Bromopropane in Rat. Toxicology and Applied Pharmacology, 2001, 174, 35-48.	2.8	50
107	Experimental study on skin sensitization potencies and cross-reactivities of hair-dye-related chemicals in guinea pigs. Contact Dermatitis, 2000, 42, 270-275.	1.4	39
108	Chronic Occupational Exposure to Organic Solvents and Magnetic Resonance Signal Changes in the Brain White Matter â€"A Case Reportâ€". Journal of Occupational Health, 2000, 42, 47-49.	2.1	1

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109	Effect of inhalation exposure to 2-bromopropane on the nervous system in rats. Toxicology, 1999, 135, 87-93.	4.2	27
110	2-Bromopropane Causes Ovarian Dysfunction by Damaging Primordial Follicles and Their Oocytes in Female Rats. Toxicology and Applied Pharmacology, 1999, 159, 185-193.	2.8	55
111	Occupational health survey on workers exposed to 2-bromopropane at low concentrations. , 1999, 35, 523-531.		34
112	Urinary 2,5-hexanedione increases with potentiation of neurotoxicity in chronic coexposure to n -hexane and methyl ethyl ketone. International Archives of Occupational and Environmental Health, 1998, 71, 100-104.	2.3	24
113	Preliminary Report on the Neurotoxicity of 1â€Bromopropane, an Alternative Solvent for Chlorofluorocarbons. Journal of Occupational Health, 1998, 40, 234-235.	2.1	58
114	Physiologically Based Pharmacokinetic Modeling of Metabolic Interactions between nâ€Hexane and Toluene in Humans. Journal of Occupational Health, 1998, 40, 293-301.	2.1	16
115	Disruption in Ovarian Cyclicity Due to 2â€Bromopropane in the Rat. Journal of Occupational Health, 1997, 39, 3-4.	2.1	16
116	Ovarian Toxicity of 2â€Bromopropane in the Nonâ€Pregnant Female Rat. Journal of Occupational Health, 1997, 39, 144-149.	2.1	45
117	A Review on Toxicity of 2â€Bromopropane: Mainly on its Reproductive Toxicity. Journal of Occupational Health, 1997, 39, 179-191.	2.1	42
118	Testicular and Hematopoietic Toxicity of 2â€Bromopropane, a Substitute for Ozone Layerâ€Depleting Chlorofluorocarbons. Journal of Occupational Health, 1997, 39, 57-63.	2.1	77
119	2â€Bromopropaneâ€Induced Hypoplasia of Bone Marrow in Male Rats. Journal of Occupational Health, 1997, 39, 228-233.	2.1	25
120	Histopathologic Findings of Bone Marrow Induced by 2â€Bromopropane in Male Rats. Journal of Occupational Health, 1997, 39, 81-82.	2.1	9
121	Testicular Toxicity of 2â€Bromopropane. Journal of Occupational Health, 1996, 38, 205-206.	2.1	36
122	Change in Magnetic Resonance Imaging and Clinical Signs in a Case of Chronic Toluene Intoxication by Sniffing. Journal of Occupational Health, 1996, 38, 13-19.	2.1	1
123	Toxic effects of hexane derivatives on cultured rat Schwann cells. Toxicology, 1996, 108, 25-31.	4.2	10
124	Effects of asymmetric dynamic and isometric liftings on strength/force and rating of perceived exertion. Ergonomics, 1996, 39, 862-876.	2.1	13