

Gaku Ichihara

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.

120
papers

3,033
citations

31
h-index

49
g-index

130
ext. papers

3,389
ext. citations

4.2
avg, IF

4.51
L-index

#	Paper	IF	Citations
120	Diameter and rigidity of multiwalled carbon nanotubes are critical factors in mesothelial injury and carcinogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, E1330-8	11.5	379
119	Di(2-ethylhexyl)phthalate induces hepatic tumorigenesis through a peroxisome proliferator-activated receptor alpha-independent pathway. <i>Journal of Occupational Health</i> , 2007 , 49, 172-82	2.3	106
118	Cholangiocarcinoma among offset colour proof-printing workers exposed to 1,2-dichloropropane and/or dichloromethane. <i>Occupational and Environmental Medicine</i> , 2013 , 70, 508-10	2.1	104
117	Attenuation of cardiac dysfunction by a PPAR-alpha agonist is associated with down-regulation of redox-regulated transcription factors. <i>Journal of Molecular and Cellular Cardiology</i> , 2006 , 41, 318-29	5.8	96
116	A comprehensive evaluation of the testicular toxicity of dichlorvos in Wistar rats. <i>Toxicology</i> , 2005 , 213, 129-37	4.4	94
115	Particle toxicology and health - where are we?. <i>Particle and Fibre Toxicology</i> , 2019 , 16, 19	8.4	83
114	A survey of semen indices in insecticide sprayers. <i>Journal of Occupational Health</i> , 2004 , 46, 109-18	2.3	68
113	Pravastatin increases survival and suppresses an increase in myocardial matrix metalloproteinase activity in a rat model of heart failure. <i>Cardiovascular Research</i> , 2006 , 69, 726-35	9.9	66
112	Testicular and Hematopoietic Toxicity of 2-Bromopropane, a Substitute for Ozone Layer-Depleting Chlorofluorocarbons. <i>Journal of Occupational Health</i> , 1997 , 39, 57-63	2.3	61
111	Species differences in the metabolism of di(2-ethylhexyl) phthalate (DEHP) in several organs of mice, rats, and marmosets. <i>Archives of Toxicology</i> , 2005 , 79, 147-54	5.8	61
110	Neurological Disorders in Three Workers Exposed to 1-Bromopropane. <i>Journal of Occupational Health</i> , 2002 , 44, 1-7	2.3	54
109	Preliminary Report on the Neurotoxicity of 1-Bromopropane, an Alternative Solvent for Chlorofluorocarbons. <i>Journal of Occupational Health</i> , 1998 , 40, 234-235	2.3	52
108	Zinc oxide nanoparticles induce migration and adhesion of monocytes to endothelial cells and accelerate foam cell formation. <i>Toxicology and Applied Pharmacology</i> , 2014 , 278, 16-25	4.6	47
107	Neurologic abnormalities in workers of a 1-bromopropane factory. <i>Environmental Health Perspectives</i> , 2004 , 112, 1319-25	8.4	47
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. <i>Toxicology and Applied Pharmacology</i> , 2001 , 174, 35-48 ^{4.6}	4.6	46
105	Dose-dependent biochemical changes in rat central nervous system after 12-week exposure to 1-bromopropane. <i>NeuroToxicology</i> , 2003 , 24, 199-206	4.4	44
104	2-Bromopropane causes ovarian dysfunction by damaging primordial follicles and their oocytes in female rats. <i>Toxicology and Applied Pharmacology</i> , 1999 , 159, 185-93	4.6	44

103	Molecular mechanism of trichloroethylene-induced hepatotoxicity mediated by CYP2E1. <i>Toxicology and Applied Pharmacology</i> , 2008 , 231, 300-7	4.6	43
102	Biochemical changes in the central nervous system of rats exposed to 1-bromopropane for seven days. <i>Toxicological Sciences</i> , 2002 , 67, 114-20	4.4	42
101	Increased susceptibility of Nrf2-null mice to 1-bromopropane-induced hepatotoxicity. <i>Toxicological Sciences</i> , 2010 , 115, 596-606	4.4	41
100	A survey on exposure level, health status, and biomarkers in workers exposed to 1-bromopropane. <i>American Journal of Industrial Medicine</i> , 2004 , 45, 63-75	2.7	40
99	A role for the aryl hydrocarbon receptor in regulation of ischemia-induced angiogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 1297-304	9.4	39
98	Neurotoxicity of 2-bromopropane and 1-bromopropane, alternative solvents for chlorofluorocarbons. <i>Environmental Research</i> , 2001 , 85, 48-52	7.9	38
97	Exposure to 1-bromopropane causes ovarian dysfunction in rats. <i>Toxicological Sciences</i> , 2003 , 71, 96-103	4.4	36
96	Generalized skin reactions in relation to trichloroethylene exposure: a review from the viewpoint of drug-metabolizing enzymes. <i>Journal of Occupational Health</i> , 2003 , 45, 8-14	2.3	36
95	Neuro-reproductive toxicities of 1-bromopropane and 2-bromopropane. <i>International Archives of Occupational and Environmental Health</i> , 2005 , 78, 79-96	3.2	36
94	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. <i>PLoS ONE</i> , 2013 , 8, e66681	3.7	35
93	Roles of oxidative stress and Akt signaling in doxorubicin cardiotoxicity. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 359, 27-33	3.4	34
92	Serial alterations of beta-adrenergic signaling in dilated cardiomyopathic hamsters: possible role of myocardial oxidative stress. <i>Circulation Journal</i> , 2004 , 68, 1051-60	2.9	33
91	Melatonin pretreatment attenuates 2-bromopropane-induced testicular toxicity in rats. <i>Toxicology</i> , 2009 , 256, 75-82	4.4	32
90	Ablation of the transcription factor Nrf2 promotes ischemia-induced neovascularization by enhancing the inflammatory response. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010 , 30, 1553-84	8.4	31
89	Titanium Dioxide Particle Type and Concentration Influence the Inflammatory Response in Caco-2 Cells. <i>International Journal of Molecular Sciences</i> , 2016 , 17, 576	6.3	31
88	Dispersion method for safety research on manufactured nanomaterials. <i>Industrial Health</i> , 2014 , 52, 54-65	5.5	30
87	Ovarian Toxicity of 2-Bromopropane in the Non-Pregnant Female Rat. <i>Journal of Occupational Health</i> , 1997 , 39, 144-149	2.3	30
86	A Review on Toxicity of 2-Bromopropane: Mainly on its Reproductive Toxicity. <i>Journal of Occupational Health</i> , 1997 , 39, 179-191	2.3	28

85	Experimental study on skin sensitization potencies and cross-reactivities of hair-dye-related chemicals in guinea pigs. <i>Contact Dermatitis</i> , 2000 , 42, 270-5	2.7	28
84	Toxicological Evaluation of SiO ₂ Nanoparticles by Zebrafish Embryo Toxicity Test. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	28
83	Re: Induction of mesothelioma in p53+/- mouse by intraperitoneal application of multi-wall carbon nanotube. <i>Journal of Toxicological Sciences</i> , 2008 , 33, 381-2; author reply 382-4	1.9	27
82	Testicular Toxicity of 2-Bromopropane. <i>Journal of Occupational Health</i> , 1996 , 38, 205-206	2.3	27
81	Ablation of aryl hydrocarbon receptor promotes angiotensin II-induced cardiac fibrosis through enhanced c-Jun/HIF-1 β signaling. <i>Archives of Toxicology</i> , 2019 , 93, 1543-1553	5.8	25
80	Occupational health survey on workers exposed to 2-bromopropane at low concentrations. <i>American Journal of Industrial Medicine</i> , 1999 , 35, 523-31	2.7	25
79	Inhibition of ischemia-induced angiogenesis by benzo[a]pyrene in a manner dependent on the aryl hydrocarbon receptor. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 381, 44-9	3.4	24
78	Dose-dependent neurologic abnormalities in workers exposed to 1-bromopropane. <i>Journal of Occupational and Environmental Medicine</i> , 2010 , 52, 769-77	2	24
77	Attenuation of oxidative stress and cardiac dysfunction by bisoprolol in an animal model of dilated cardiomyopathy. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 350, 105-13	3.4	24
76	Zn(II) released from zinc oxide nano/micro particles suppresses vasculogenesis in human endothelial colony-forming cells. <i>Toxicology Reports</i> , 2015 , 2, 692-701	4.8	23
75	Effect of inhalation exposure to 2-bromopropane on the nervous system in rats. <i>Toxicology</i> , 1999 , 135, 87-93	4.4	23
74	Exposure to 1-bromopropane induces microglial changes and oxidative stress in the rat cerebellum. <i>Toxicology</i> , 2012 , 302, 18-24	4.4	22
73	Globin s-propyl cysteine and urinary N-acetyl-S-propylcysteine as internal biomarkers of 1-bromopropane exposure. <i>Toxicological Sciences</i> , 2007 , 98, 427-35	4.4	22
72	Role of microglial activation and neuroinflammation in neurotoxicity of acrylamide in vivo and in vitro. <i>Archives of Toxicology</i> , 2019 , 93, 2007-2019	5.8	21
71	Neurotoxicity of 1-bromopropane: Evidence from animal experiments and human studies. <i>Journal of Advanced Research</i> , 2012 , 3, 91-98	13	21
70	Single- and double-walled carbon nanotubes enhance atherosclerogenesis by promoting monocyte adhesion to endothelial cells and endothelial progenitor cell dysfunction. <i>Particle and Fibre Toxicology</i> , 2016 , 13, 54	8.4	21
69	A case of severe neurotoxicity associated with exposure to 1-bromopropane, an alternative to ozone-depleting or global-warming solvents. <i>Archives of Internal Medicine</i> , 2012 , 172, 1257-60		21
68	Comparative study on susceptibility to 1-bromopropane in three mice strains. <i>Toxicological Sciences</i> , 2009 , 112, 100-10	4.4	19

67	Urinary 2,5-hexanedione increases with potentiation of neurotoxicity in chronic coexposure to n-hexane and methyl ethyl ketone. <i>International Archives of Occupational and Environmental Health</i> , 1998 , 71, 100-4	3.2	19
66	Copper Oxide Nanoparticles Reduce Vasculogenesis in Transgenic Zebrafish Through Down-Regulation of Vascular Endothelial Growth Factor Expression and Induction of Apoptosis. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 2140-7	1.3	18
65	2-Bromopropane-Induced Hypoplasia of Bone Marrow in Male Rats. <i>Journal of Occupational Health</i> , 1997 , 39, 228-233	2.3	16
64	<i>Drosophila melanogaster</i> as an in vivo model to study the potential toxicity of cerium oxide nanoparticles. <i>Applied Surface Science</i> , 2019 , 490, 70-80	6.7	15
63	Methylation of dimethyltin in mice and rats. <i>Chemical Research in Toxicology</i> , 2008 , 21, 467-71	4	15
62	Evaluation of hydroxyapatite nanoparticles - induced in vivo toxicity in <i>Drosophila melanogaster</i> . <i>Applied Surface Science</i> , 2019 , 484, 568-577	6.7	14
61	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. <i>Circulation: Cardiovascular Genetics</i> , 2013 , 6, 569-78		14
60	Exposure to 1-bromopropane causes degeneration of noradrenergic axons in the rat brain. <i>Toxicology</i> , 2011 , 285, 67-71	4.4	14
59	Reversibility of the adverse effects of 1-bromopropane exposure in rats. <i>Toxicological Sciences</i> , 2007 , 100, 504-12	4.4	14
58	Differential cardiovascular effects of endotoxin derived from <i>Escherichia coli</i> or <i>Pseudomonas aeruginosa</i> . <i>Experimental Animals</i> , 2007 , 56, 339-48	1.8	14
57	Chemopreventive effect of selenium-enriched Japanese radish sprout against breast cancer induced by 7,12-dimethylbenz[a]anthracene in rats. <i>Tohoku Journal of Experimental Medicine</i> , 2007 , 212, 191-8	2.4	14
56	Role of Nrf2 in inflammatory response in lung of mice exposed to zinc oxide nanoparticles. <i>Particle and Fibre Toxicology</i> , 2019 , 16, 47	8.4	14
55	Changes in neurotransmitter receptor expression levels in rat brain after 4-week exposure to 1-bromopropane. <i>NeuroToxicology</i> , 2009 , 30, 1078-83	4.4	13
54	Serial changes in adipocytokines and cardiac function in a rat model of the metabolic syndrome. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2013 , 40, 443-8	3	12
53	Proteomic analysis of hippocampal proteins of F344 rats exposed to 1-bromopropane. <i>Toxicology and Applied Pharmacology</i> , 2011 , 257, 93-101	4.6	12
52	Effects of asymmetric dynamic and isometric liftings on strength/force and rating of perceived exertion. <i>Ergonomics</i> , 1996 , 39, 862-76	2.9	12
51	Physiologically Based Pharmacokinetic Modeling of Metabolic Interactions between n-Hexane and Toluene in Humans. <i>Journal of Occupational Health</i> , 1998 , 40, 293-301	2.3	12
50	Expression of proteins associated with adipocyte lipolysis was significantly changed in the adipose tissues of the obese spontaneously hypertensive/NDmcr-cp rat. <i>Diabetology and Metabolic Syndrome</i> , 2014 , 6, 8	5.6	11

49	Proteomic identification of carbonylated proteins in F344 rat hippocampus after 1-bromopropane exposure. <i>Toxicology and Applied Pharmacology</i> , 2012 , 263, 44-52	4.6	11
48	Exposure assessment and heart rate variability monitoring in workers handling titanium dioxide particles: a pilot study. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	11
47	Proteomic analysis of hippocampal proteins in acrylamide-exposed Wistar rats. <i>Archives of Toxicology</i> , 2019 , 93, 1993-2006	5.8	10
46	Exposure of Mice to 1,2-Dichloropropane Induces CYP450-Dependent Proliferation and Apoptosis of Cholangiocytes. <i>Toxicological Sciences</i> , 2018 , 162, 559-569	4.4	10
45	Disruption in Ovarian Cyclicity Due to 2-Bromopropane in the Rat. <i>Journal of Occupational Health</i> , 1997 , 39, 3-4	2.3	10
44	Changes in Cholinesterase Activity, Nerve Conduction Velocity, and Clinical Signs and Symptoms in Termite Control Operators Exposed to Chlorpyrifos. <i>Journal of Occupational Health</i> , 2001 , 43, 157-164	2.3	10
43	Toxic effects of hexane derivatives on cultured rat Schwann cells. <i>Toxicology</i> , 1996 , 108, 25-31	4.4	10
42	Preliminary characterization of a murine model for 1-bromopropane neurotoxicity: Role of cytochrome P450. <i>Toxicology Letters</i> , 2016 , 258, 249-258	4.4	10
41	The DNA methylation profile of liver tumors in C3H mice and identification of differentially methylated regions involved in the regulation of tumorigenic genes. <i>BMC Cancer</i> , 2018 , 18, 317	4.8	9
40	Pleural plaque profiles on the chest radiographs and CT scans of asbestos-exposed Japanese construction workers. <i>Industrial Health</i> , 2011 , 49, 626-33	2.5	9
39	Exposure to acrylamide decreases noradrenergic axons in rat brain. <i>NeuroToxicology</i> , 2020 , 78, 127-133	4.4	8
38	Effects of sub-acute and sub-chronic inhalation of 1-bromopropane on neurogenesis in adult rats. <i>Toxicology</i> , 2013 , 304, 76-82	4.4	8
37	Occupational exposure to neurotoxic substances in Asian countries - challenges and approaches. <i>NeuroToxicology</i> , 2012 , 33, 853-61	4.4	8
36	Effects of exposure to 1-bromopropane on astrocytes and oligodendrocytes in rat brain. <i>Journal of Occupational Health</i> , 2013 , 55, 29-38	2.3	8
35	Involvement of caspase 3 mediated apoptosis in hematopoietic cytotoxicity of metabolites of ethylene glycol monomethyl ether. <i>Industrial Health</i> , 2002 , 40, 371-4	2.5	8
34	Synergistic effect of bolus exposure to zinc oxide nanoparticles on bleomycin-induced secretion of pro-fibrotic cytokines without lasting fibrotic changes in murine lungs. <i>International Journal of Molecular Sciences</i> , 2014 , 16, 660-76	6.3	7
33	Pulmonary hypofunction due to calcium carbonate nanomaterial exposure in occupational workers: a cross-sectional study. <i>Nanotoxicology</i> , 2018 , 12, 571-585	5.3	7
32	Enhanced constitutive invasion activity in human nontumorigenic keratinocytes exposed to a low level of barium for a long time. <i>Environmental Toxicology</i> , 2015 , 30, 161-7	4.2	7

31	Altered gene and protein expression in liver of the obese spontaneously hypertensive/NDmcr-cp rat. <i>Nutrition and Metabolism</i> , 2012 , 9, 87	4.6	7
30	Urinary trimethyl tin reflects blood trimethyl tin in workers recycling organotins. <i>Journal of Occupational Health</i> , 2019 , 61, 257-260	2.3	6
29	Time course of blood parameters in printing workers with cholangiocarcinoma. <i>Journal of Occupational Health</i> , 2014 , 56, 279-84	2.3	6
28	Rats with metabolic syndrome resist the protective effects of N-acetyl l-cystein against impaired spermatogenesis induced by high-phosphorus/zinc-free diet. <i>Experimental and Toxicologic Pathology</i> , 2013 , 65, 1173-82		6
27	Pyrrrole adducts in globin and plasma of workers exposed to hexane. <i>International Archives of Occupational and Environmental Health</i> , 2019 , 92, 873-881	3.2	5
26	Magnetic resonance imaging of leukoencephalopathy in amnesic workers exposed to organotin. <i>NeuroToxicology</i> , 2016 , 57, 128-135	4.4	5
25	Effects of exposure of rat dams to 1-bromopropane during pregnancy and lactation on growth and sexual maturation of their offspring. <i>Toxicology</i> , 2006 , 224, 219-28	4.4	5
24	Histopathologic Findings of Bone Marrow Induced by 2-Bromopropane in Male Rats. <i>Journal of Occupational Health</i> , 1997 , 39, 81-82	2.3	5
23	Proteomics analysis identified peroxiredoxin 2 involved in early-phase left ventricular impairment in hamsters with cardiomyopathy. <i>PLoS ONE</i> , 2018 , 13, e0192624	3.7	4
22	Effect of 4-week inhalation exposure to 1-bromopropane on blood pressure in rats. <i>Journal of Applied Toxicology</i> , 2017 , 37, 331-338	4.1	4
21	Hippocampal phosphoproteomics of F344 rats exposed to 1-bromopropane. <i>Toxicology and Applied Pharmacology</i> , 2015 , 282, 151-60	4.6	4
20	A trial to find appropriate animal models of dichloropropane-induced cholangiocarcinoma based on the hepatic distribution of glutathione S-transferases. <i>Journal of Occupational Health</i> , 2015 , 57, 548-54	2.3	4
19	Exposure to 1,2-Dichloropropane Upregulates the Expression of Activation-Induced Cytidine Deaminase (AID) in Human Cholangiocytes Co-Cultured With Macrophages. <i>Toxicological Sciences</i> , 2019 , 168, 137-148	4.4	4
18	Proteomic analysis of liver proteins of mice exposed to 1,2-dichloropropane. <i>Archives of Toxicology</i> , 2020 , 94, 2691-2705	5.8	3
17	Functionalized Surface-Charged SiO Nanoparticles Induce Pro-Inflammatory Responses, but Are Not Lethal to Caco-2 Cells. <i>Chemical Research in Toxicology</i> , 2020 , 33, 1226-1236	4	3
16	Carbon Nanotubes in historical and future perspective Summary of an Extended Session at Carbon 2008 in Nagano (JP). <i>Particle and Fibre Toxicology</i> , 2008 , 5, 21	8.4	3
15	Genetic ablation of Nrf2 exacerbates neurotoxic effects of acrylamide in mice. <i>Toxicology</i> , 2021 , 456, 152785	4.4	3
14	Nrf2 Activation Attenuates Acrylamide-Induced Neuropathy in Mice. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3

13	Occupational Exposure Limits of lead, dimethylamine, n-butyl-2,3-epoxypropyl ether, and 2-ethyl-1-hexanol and carcinogenicity and occupational sensitizer classification. <i>Journal of Occupational Health</i> , 2016 , 58, 385-7	2.3	2
12	Occupational exposure limits for cumene, 2,4-dichlorophenoxy acetic acid, silicon carbide whisker, benzyl alcohol, and methylamine, and carcinogenicity, occupational sensitizer, and reproductive toxicant classifications. <i>Journal of Occupational Health</i> , 2019 , 61, 328-330	2.3	2
11	Occupational exposure limits for ethylene glycol monobutyl ether, isoprene, isopropyl acetate and propyleneimine, and classifications on carcinogenicity, occupational sensitizer and reproductive toxicant. <i>Journal of Occupational Health</i> , 2017 , 59, 364-366	2.3	1
10	Role of cytochrome P450s in the male reproductive toxicity of 1-bromopropane. <i>Toxicology Research</i> , 2016 , 5, 1522-1529	2.6	1
9	Occupational Exposure Limits for ethylidene norbornene, ethyleneimine, benomyl, and 2,3-epoxypropyl methacrylate, and classifications on carcinogenicity. <i>Journal of Occupational Health</i> , 2018 , 60, 333-335	2.3	1
8	Effects of Nanomaterials on Cardiovascular System. <i>Transactions of the Materials Research Society of Japan</i> , 2014 , 39, 373-378	0.2	1
7	Trends in asbestos and non-asbestos fibre concentrations in the lung tissues of Japanese patients with mesothelioma. <i>Annals of Occupational Hygiene</i> , 2014 , 58, 103-20		1
6	Dose-dependent neurologic abnormalities in workers exposed to 1-bromopropane: authorsS response. <i>Journal of Occupational and Environmental Medicine</i> , 2011 , 53, 1095-8	2	1
5	Change in Magnetic Resonance Imaging and Clinical Signs in a Case of Chronic Toluene Intoxication by Sniffing. <i>Journal of Occupational Health</i> , 1996 , 38, 13-19	2.3	1
4	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. <i>Journal of Occupational Health</i> , 2021 , 63, e12294	2.3	1
3	Effects of physiochemical characteristic of nano-sized TiO ₂ on the adhesion of monocytes to endothelial cells. <i>NanoImpact</i> , 2020 , 20, 100257	5.6	1
2	1,2-Dichloropropane induces γ H2AX expression in human cholangiocytes only in the presence of macrophages. <i>Toxicology Letters</i> , 2021 , 349, 134-144	4.4	0
1	Chronic Occupational Exposure to Organic Solvents and Magnetic Resonance Signal Changes in the Brain White Matter A Case Report <i>Journal of Occupational Health</i> , 2000 , 42, 47-49	2.3	