

Jack C Ng

List of Publications by Year in descending order

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110
papers

3,876
citations

126708

33
h-index

143772

57
g-index

110
all docs

110
docs citations

110
times ranked

4561
citing authors

#	ARTICLE	IF	CITATIONS
1	A global health problem caused by arsenic from natural sources. <i>Chemosphere</i> , 2003, 52, 1353-1359.	4.2	567
2	Chronic exposure of arsenic via drinking water and its adverse health impacts on humans. <i>Environmental Geochemistry and Health</i> , 2009, 31, 189-200.	1.8	336
3	Environmental Contamination of Arsenic and its Toxicological Impact on Humans. <i>Environmental Chemistry</i> , 2005, 2, 146.	0.7	180
4	Assessing the bioavailability and bioaccessibility of metals and metalloids. <i>Environmental Science and Pollution Research</i> , 2015, 22, 8802-8825.	2.7	104
5	A review of animal models for the study of arsenic carcinogenesis. <i>Toxicology Letters</i> , 2002, 133, 17-31.	0.4	91
6	Assessing the human health risks of per- and polyfluoroalkyl substances: A need for greater focus on their interactions as mixtures. <i>Journal of Hazardous Materials</i> , 2021, 407, 124863.	6.5	87
7	Combined effects and toxicological interactions of perfluoroalkyl and polyfluoroalkyl substances mixtures in human liver cells (HepG2). <i>Environmental Pollution</i> , 2020, 263, 114182.	3.7	78
8	Arsenic speciation in the urine and hair of individuals exposed to airborne arsenic through coal-burning in Guizhou, PR China. <i>Toxicology Letters</i> , 2003, 137, 35-48.	0.4	76
9	Striking association between urinary cadmium level and albuminuria among Torres Strait Islander people with diabetes. <i>Environmental Research</i> , 2008, 106, 379-383.	3.7	69
10	Isolation and identification of a compound from avocado (<i>Persea americana</i>) leaves which causes necrosis of the acinar epithelium of the lactating mammary gland and the myocardium. <i>Natural Toxins</i> , 1995, 3, 344-349.	1.0	66
11	Dietary arsenic exposure in Brazil: The contribution of rice and beans. <i>Chemosphere</i> , 2017, 168, 996-1003.	4.2	66
12	Trace metal concentrations in livers and kidneys of sea turtles from south-eastern Queensland, Australia. <i>Marine and Freshwater Research</i> , 1998, 49, 409.	0.7	60
13	Speciation and absolute bioavailability: risk assessment of arsenic-contaminated sites in a residential suburb in Canberra. <i>Analyst</i> , 1998, 123, 889-892.	1.7	58
14	In Vitro Physiologically Based Extraction Test (PBET) and Bioaccessibility of Arsenic and Lead from Various Mine Waste Materials. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2007, 70, 1700-1711.	1.1	56
15	A field study conducted at Kidston Gold Mine, to evaluate the impact of arsenic and zinc from mine tailing to grazing cattle. <i>Toxicology Letters</i> , 2003, 137, 23-34.	0.4	54
16	Toxic effects of individual and combined effects of BTEX on <i>Euglena gracilis</i> . <i>Journal of Hazardous Materials</i> , 2015, 284, 10-18.	6.5	54
17	The absorption and excretion of fluoride and arsenic in humans. <i>Toxicology Letters</i> , 2002, 133, 77-82.	0.4	53
18	Pesticides in Sediments From Queensland Irrigation Channels and Drains. <i>Marine Pollution Bulletin</i> , 2000, 41, 294-301.	2.3	52

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19	Arsenic inhibits the repair of DNA damage induced by benzo(a)pyrene. <i>Toxicology Letters</i> , 2002, 133, 59-67.	0.4	51
20	Urinary porphyrins as biomarkers for arsenic exposure among susceptible populations in Guizhou province, China. <i>Toxicology and Applied Pharmacology</i> , 2005, 206, 176-184.	1.3	48
21	Speciation of arsenic metabolites in the urine of occupational workers and experimental rats using an optimised hydride cold-trapping method. <i>Analyst</i> , 1998, 123, 929-933.	1.7	45
22	Evaluation of the individual and combined toxicity of perfluoroalkyl substances to human liver cells using biomarkers of oxidative stress. <i>Chemosphere</i> , 2021, 281, 130808.	4.2	45
23	Acute phase response in horses: changes in plasma cation concentrations after localised tissue injury. <i>Veterinary Record</i> , 1989, 124, 235-239.	0.2	45
24	Association of arsenic and kidney dysfunction in people with diabetes and validation of its effects in rats. <i>Environment International</i> , 2009, 35, 507-511.	4.8	43
25	Mixture Effects of Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) on Lung Carcinoma Cells via a Hanging Drop Air Exposure System. <i>Chemical Research in Toxicology</i> , 2014, 27, 952-959.	1.7	42
26	Basal cell carcinoma in chronic arsenicism occurring in Queensland, Australia, after ingestion of an asthma medication. <i>Journal of the American Academy of Dermatology</i> , 2000, 43, 664-669.	0.6	40
27	Determination of tannic acid and its phenolic metabolites in biological fluids by high-performance liquid chromatography. <i>Biomedical Applications</i> , 1992, 577, 77-85.	1.7	39
28	Metabolism of bilirubin by human cytochrome P450 2A6. <i>Toxicology and Applied Pharmacology</i> , 2012, 261, 50-58.	1.3	39
29	Lead concentrations in tissues of fruit bats (<i>Pteropus</i> sp.) in urban and non-urban locations. <i>Wildlife Research</i> , 1993, 20, 315.	0.7	38
30	Bioaccessibility of arsenic and cadmium assessed for <i>in vitro</i> bioaccessibility in spiked soils and their interaction during the Unified BARGE Method (UBM) extraction. <i>Chemosphere</i> , 2016, 147, 444-450.	4.2	38
31	Issues raised by the reference doses for perfluorooctane sulfonate and perfluorooctanoic acid. <i>Environment International</i> , 2017, 105, 86-94.	4.8	38
32	Investigating the Use of Layered Double Hydroxide Nanoparticles as Carriers of Metal Oxides for Theranostics of ROS-Related Diseases. <i>ACS Applied Bio Materials</i> , 2019, 2, 5930-5940.	2.3	38
33	Dissolved Organic Carbon Reduces Uranium Bioavailability and Toxicity. 1. Characterization of an Aquatic Fulvic Acid and Its Complexation with Uranium(VI). <i>Environmental Science & Technology</i> , 2011, 45, 3075-3081.	4.6	36
34	Effects of binary mixtures of benzo[a]pyrene, arsenic, cadmium, and lead on oxidative stress and toxicity in HepG2 cells. <i>Chemosphere</i> , 2016, 165, 41-51.	4.2	33
35	Genotoxicity of hydroquinone in A549 cells. <i>Cell Biology and Toxicology</i> , 2013, 29, 213-227.	2.4	32
36	Bioavailability study of arsenic and mercury in traditional Chinese medicines (TCM) using an animal model after a single dose exposure. <i>Regulatory Toxicology and Pharmacology</i> , 2016, 76, 51-56.	1.3	32

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37	Hanging drop: An in vitro air toxic exposure model using human lung cells in 2D and 3D structures. <i>Journal of Hazardous Materials</i> , 2013, 261, 701-710.	6.5	31
38	Relationship of bioaccessibility and fractionation of cadmium in long-term spiked soils for health risk assessment based on four in vitro gastrointestinal simulation models. <i>Science of the Total Environment</i> , 2018, 631-632, 1582-1589.	3.9	31
39	Effects of inflammation-associated acute-phase response on hepatic and renal indices in the horse. <i>Australian Veterinary Journal</i> , 1998, 76, 187-194.	0.5	30
40	Unique toxic peptides isolated from sawfly larvae in three continents. <i>Toxicon</i> , 1999, 37, 537-544.	0.8	30
41	Imidacloprid residues in fruits, vegetables and water samples from Palestine. <i>Environmental Geochemistry and Health</i> , 2007, 29, 45-50.	1.8	30
42	Identification of circular RNAs and their alterations involved in developing male <i>Xenopus laevis</i> chronically exposed to atrazine. <i>Chemosphere</i> , 2018, 200, 295-301.	4.2	30
43	Health risk apportionment of arsenic from multiple exposure pathways in Paracatu, a gold mining town in Brazil. <i>Science of the Total Environment</i> , 2019, 673, 36-43.	3.9	29
44	Stress response to chronic inflammation in the horse. <i>Equine Veterinary Journal</i> , 1997, 29, 483-486.	0.9	28
45	Exploring potential dietary contributions including traditional seafood and other determinants of urinary cadmium levels among indigenous women of a Torres Strait Island (Australia). <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2007, 17, 298-306.	1.8	28
46	BTEX in vitro exposure tool using human lung cells: Trips and gains. <i>Chemosphere</i> , 2015, 128, 321-326.	4.2	28
47	Biomarkers for the evaluation of population health status 16 years after the intervention of arsenic-contaminated groundwater in Xinjiang, China. <i>Journal of Hazardous Materials</i> , 2013, 262, 1159-1166.	6.5	25
48	Bioavailability and pharmacokinetics of arsenic are influenced by the presence of cadmium. <i>Chemosphere</i> , 2014, 112, 203-209.	4.2	25
49	Human health risk assessment of lead from mining activities at semi-arid locations in the context of total lead exposure. <i>Environmental Science and Pollution Research</i> , 2013, 20, 8404-8416.	2.7	24
50	Urinary arsenic speciation and porphyrins in C57Bl/6J mice chronically exposed to low doses of sodium arsenate. <i>Toxicology Letters</i> , 2004, 154, 149-157.	0.4	23
51	The binary, ternary and quaternary mixture toxicity of benzo[a]pyrene, arsenic, cadmium and lead in HepG2 cells. <i>Toxicology Research</i> , 2016, 5, 703-713.	0.9	23
52	A Randomised intervention trial to assess two arsenic mitigation options in Bangladesh. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2007, 42, 1897-1908.	0.9	22
53	Micronucleus formation by single and mixed heavy metals/loids and PAH compounds in HepG2 cells. <i>Mutagenesis</i> , 2015, 30, 593-602.	1.0	22
54	Development and Validation of an ICP-MS Method and Its Application to Determine Multiple Trace Elements in Small Volumes of Whole Blood and Plasma. <i>Journal of Analytical Toxicology</i> , 2021, 44, 1036-1046.	1.7	21

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55	Low arsenic bioaccessibility by fixation in nanostructured iron (Hydr)oxides: Quantitative identification of As-bearing phases. <i>Journal of Hazardous Materials</i> , 2018, 353, 261-270.	6.5	20
56	Pollution characteristics and chronic health risk assessment of metals and metalloids in ambient PM _{2.5} in Licheng District, Jinan, China. <i>Environmental Geochemistry and Health</i> , 2020, 42, 1803-1815.	1.8	20
57	Assessment of copper and zinc status of farm horses and training thoroughbreds in south-east Queensland. <i>Australian Veterinary Journal</i> , 1988, 65, 317-320.	0.5	19
58	Purification of ptaquiloside, a carcinogen from <i>Pteridium aquilinum</i> . <i>Phytochemistry</i> , 1995, 40, 53-56.	1.4	19
59	The magical and medicinal usage of <i>Stangeria eriopus</i> in South Africa. <i>Journal of Ethnopharmacology</i> , 1994, 43, 67-72.	2.0	18
60	Urinary arsenic and porphyrin profile in C57BL/6J mice chronically exposed to monomethylarsonous acid (MMAIII) for two years. <i>Toxicology and Applied Pharmacology</i> , 2007, 224, 89-97.	1.3	18
61	Arsenicosis status and urinary malondialdehyde (MDA) in people exposed to arsenic contaminated-coal in China. <i>Environment International</i> , 2009, 35, 502-506.	4.8	18
62	Gene expression profiles in testis of developing male <i>Xenopus laevis</i> damaged by chronic exposure of atrazine. <i>Chemosphere</i> , 2016, 159, 145-152.	4.2	18
63	Free radical oxidation products in plasma and synovial fluid of horses with synovial inflammation. <i>Australian Veterinary Journal</i> , 1993, 70, 49-52.	0.5	17
64	Gastric/lung bioaccessibility and identification of arsenic-bearing phases and sources of fine surface dust in a gold mining district. <i>Science of the Total Environment</i> , 2019, 689, 1244-1254.	3.9	17
65	Porphyrin profiles in blood and urine as a biomarker for exposure to various arsenic species. <i>Cellular and Molecular Biology</i> , 2002, 48, 111-23.	0.3	17
66	Effect of Palosein (superoxide dismutase) and catalase upon oxygen derived free radical induced degradation of equine synovial fluid. <i>Equine Veterinary Journal</i> , 1990, 22, 13-17.	0.9	16
67	Interaction effects of lead on bioavailability and pharmacokinetics of arsenic in the rat. <i>Environmental Geochemistry and Health</i> , 2013, 35, 757-766.	1.8	16
68	A review of non-exhaustive chemical and bioavailability methods for the assessment of polycyclic aromatic hydrocarbons in soil. <i>Environmental Technology and Innovation</i> , 2015, 4, 159-167.	3.0	16
69	Combined effects of mixed per- and polyfluoroalkyl substances on the Nrf2-ARE pathway in ARE reporter-HepG2 cells. <i>Journal of Hazardous Materials</i> , 2022, 421, 126827.	6.5	16
70	Tumours in Mice Induced by Exposure to Sodium Arsenate in Drinking Water. , 1999, , 217-223.		16
71	Concentrations of essential and toxic elements and health risk assessment in brown rice from Qatari market. <i>Food Chemistry</i> , 2022, 376, 131938.	4.2	15
72	Assessment of histamine, bradykinin, prostaglandins E ₁ and E ₂ and carrageenin as vascular permeability agents in the horse. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 1991, 14, 61-69.	0.6	13

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73	Superoxide production by stimulated equine polymorphonuclear leukocytesâ€inhibition by antiâ€inflammatory drugs. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 1990, 13, 59-66.	0.6	12
74	Genotoxicity evaluation of multi-component mixtures of polyaromatic hydrocarbons (PAHs), arsenic, cadmium, and lead using flow cytometry based micronucleus test in HepG2 cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2018, 827, 9-18.	0.9	12
75	Assessment of human health risk due to lead in urban park soils using inâ€vitro methods. <i>Chemosphere</i> , 2021, 269, 128714.	4.2	12
76	Vascular leakage induced by histamine, bradykinin, serotonin and prostaglandin E2 in Greyhounds. <i>Australian Veterinary Journal</i> , 1993, 70, 21-24.	0.5	11
77	Kinetics, dose response, tachyphylaxis and crossâ€tachyphylaxis of vascular leakage induced by endotoxin, zymosanâ€activated plasma and plateletâ€activating factor in the horse. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 1995, 18, 204-209.	0.6	11
78	Arsenic in drinking water: a natural killer in Bangladesh and beyond. <i>Medical Journal of Australia</i> , 2005, 183, 562-563.	0.8	11
79	Assessing benzene-induced toxicity on wild type <i>Euglena gracilis</i> Z and its mutant strain SMZ. <i>Chemosphere</i> , 2013, 93, 2381-2389.	4.2	11
80	Effects of multi-component mixtures of polyaromatic hydrocarbons and heavy metal/loid(s) on Nrf2-antioxidant response element (ARE) pathway in ARE reporter-HepG2 cells. <i>Toxicology Research</i> , 2016, 5, 1160-1171.	0.9	11
81	The effect of inflammation on the disposition of phenylbutazone in Thoroughbred horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 1996, 19, 475-481.	0.6	10
82	HPLC measurement of harderoporphyrin in the harderian glands of rodents as a biomarker for sub-lethal or chronic arsenic exposure. <i>Toxicology Letters</i> , 2002, 133, 93-101.	0.4	10
83	A suspected case of acute copper toxicity in a horse. <i>Australian Veterinary Journal</i> , 1989, 66, 191-192.	0.5	9
84	The effect of the acute-phase response on in vitro drug metabolism and plasma protein binding in the horse. <i>Veterinary Research Communications</i> , 1997, 21, 361-368.	0.6	9
85	Urinary arsenic methylation and porphyrin profile of C57Bl/6J mice chronically exposed to sodium arsenate. <i>Science of the Total Environment</i> , 2007, 379, 235-243.	3.9	9
86	Relationship of arsenic speciation and bioavailability in mine wastes for human health risk assessment. <i>Environmental Chemistry</i> , 2016, 13, 641.	0.7	9
87	Interaction effects of As, Cd and Pb on their respective bioaccessibility with time in co-contaminated soils assessed by the Unified BARGE Method. <i>Environmental Science and Pollution Research</i> , 2017, 24, 5585-5594.	2.7	9
88	Assessment methodology applied to arsenic pollution in lake sediments combining static and dynamic processes. <i>Chemosphere</i> , 2021, 277, 130260.	4.2	9
89	Copper salicylate and copper phenylbutazone as topically applied antiâ€inflammatory agents in the rat and horse. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 1990, 13, 67-75.	0.6	8
90	Monthly variation in the plasma copper and zinc concentration of pregnant and non-pregnant mares. <i>Australian Veterinary Journal</i> , 1988, 65, 61-62.	0.5	7

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91	Phenylbutazone in racing Greyhounds: plasma and urinary residues 24 and 48 hours after a single intravenous administration. <i>Australian Veterinary Journal</i> , 1995, 72, 304-308.	0.5	7
92	Disposition and urinary excretion of phenylbutazone in normal and febrile greyhounds. <i>Research in Veterinary Science</i> , 1995, 59, 261-266.	0.9	7
93	Effects of arsenic and cadmium on bioaccessibility of lead in spiked soils assessed by Unified BARGE Method. <i>Chemosphere</i> , 2016, 154, 343-349.	4.2	7
94	Risk management for mycotoxin contamination of Australian maize. <i>Australian Journal of Experimental Agriculture</i> , 2008, 48, 342.	1.0	7
95	Metal(loid) flux change in Dongting Lake due to the operation of Three Gorges Dam, China. <i>Environmental Pollution</i> , 2022, 306, 119342.	3.7	6
96	Anti-inflammatory drugs inhibit degradation of equine synovial fluid induced by free radicals. <i>Australian Veterinary Journal</i> , 1991, 68, 403-405.	0.5	5
97	Intervention Trial to Assess Arsenic Exposure from Food Crops in Bangladesh. <i>Archives of Environmental Health</i> , 2004, 59, 209-212.	0.4	5
98	Using human epidemiological analyses to support the assessment of the impacts of coal mining on health. <i>Reviews on Environmental Health</i> , 2019, 34, 391-401.	1.1	5
99	How the population in Mount Isa is living with lead exposure from mining activities. <i>The Extractive Industries and Society</i> , 2021, 8, 123-134.	0.7	5
100	Using Synchrotron-based X-ray Absorption Spectrometry to Identify the Arsenic Chemical Forms in Mine Waste Materials. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	4
101	Consistent Chemical Form of Cd in Liver and Kidney Tissues in Rats Dosed with a Range of Cd Treatments: XAS of Intact Tissues. <i>Chemical Research in Toxicology</i> , 2010, 23, 1647-1649.	1.7	4
102	Urinary excretion of bilirubin oxidative metabolites in arsenite-treated mice. <i>Journal of Toxicological Sciences</i> , 2012, 37, 655-661.	0.7	4
103	The Role of Epigenetic Changes in Benzene- Induced Acute Myeloid Leukaemia. <i>Journal of Clinical Epigenetics</i> , 2016, 2, .	0.3	4
104	Environmental Exposure to Metals and Metalloids in Primary School-Aged Children Living in Industrialised Areas of Eastern South Asian Megacity Dhaka, Bangladesh. <i>Exposure and Health</i> , 2022, 14, 671-684.	2.8	4
105	Human Exposure Assessment of Mixed Metal/Loids at and Near Mega-Scale Open Beaching Shipwrecking Activities in Bangladesh. <i>Exposure and Health</i> , 2023, 15, 69-84.	2.8	2
106	Isolation and characterisation of urushiol components from the Australian native cashew (<i>Semecarpus australiensis</i>). <i>Natural Toxins</i> , 1998, 5, 96-98.	1.0	1
107	Validation and bioinformatics analysis of differentially expressed circRNAs involved in developing male <i>Xenopus laevis</i> chronically exposed to atrazine. <i>Data in Brief</i> , 2018, 18, 1282-1291.	0.5	1
108	Kinetics of endotoxin, complement and platelet-activating factor (PAF) induced vascular permeability in Greyhounds. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 1994, 17, 470-472.	0.6	0

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109	Laboratory and field evaluation of potential arsenic exposure from mine tailings to grazing cattle. , 2003, , 181-195.		0
110	Environmental Poisoning: Presentation and Management. Therapeutic Drug Monitoring, 1998, 20, 502-509.	1.0	0