

Jack C Ng

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.

109
papers

2,968
citations

28
h-index

50
g-index

110
ext. papers

3,394
ext. citations

5.4
avg, IF

5.37
L-index

#	Paper	IF	Citations
109	A global health problem caused by arsenic from natural sources. <i>Chemosphere</i> , 2003 , 52, 1353-9	8.4	484
108	Chronic exposure of arsenic via drinking water and its adverse health impacts on humans. <i>Environmental Geochemistry and Health</i> , 2009 , 31 Suppl 1, 189-200	4.7	276
107	Environmental Contamination of Arsenic and its Toxicological Impact on Humans. <i>Environmental Chemistry</i> , 2005 , 2, 146	3.2	159
106	A review of animal models for the study of arsenic carcinogenesis. <i>Toxicology Letters</i> , 2002 , 133, 17-31	4.4	81
105	Assessing the bioavailability and bioaccessibility of metals and metalloids. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 8802-25	5.1	76
104	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	4.4	69
103	Striking association between urinary cadmium level and albuminuria among Torres Strait Islander people with diabetes. <i>Environmental Research</i> , 2008 , 106, 379-83	7.9	56
102	Speciation and absolute bioavailability: risk assessment of arsenic-contaminated sites in a residential suburb in Canberra. <i>Analyst, The</i> , 1998 , 123, 889-92	5	50
101	Arsenic inhibits the repair of DNA damage induced by benzo(a)pyrene. <i>Toxicology Letters</i> , 2002 , 133, 59-67	4.4	49
100	Trace metal concentrations in livers and kidneys of sea turtles from south-eastern Queensland, Australia. <i>Marine and Freshwater Research</i> , 1998 , 49, 409	2.2	49
99	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, 1700-11	3.2	48
98	Dietary arsenic exposure in Brazil: The contribution of rice and beans. <i>Chemosphere</i> , 2017 , 168, 996-1003	3.4	46
97	Pesticides in Sediments From Queensland Irrigation Channels and Drains. <i>Marine Pollution Bulletin</i> , 2000 , 41, 294-301	6.7	46
96	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, 344-9		45
95	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	4.4	42
94	The absorption and excretion of fluoride and arsenic in humans. <i>Toxicology Letters</i> , 2002 , 133, 77-82	4.4	42
93	Urinary porphyrins as biomarkers for arsenic exposure among susceptible populations in Guizhou province, China. <i>Toxicology and Applied Pharmacology</i> , 2005 , 206, 176-84	4.6	41

92	Acute phase response in horses: changes in plasma cation concentrations after localised tissue injury. <i>Veterinary Record</i> , 1989 , 124, 235-9	0.9	40
91	Association of arsenic and kidney dysfunction in people with diabetes and validation of its effects in rats. <i>Environment International</i> , 2009 , 35, 507-11	12.9	38
90	Speciation of arsenic metabolites in the urine of occupational workers and experimental rats using an optimised hydride cold-trapping method. <i>Analyst, The</i> , 1998 , 123, 929-33	5	38
89	Toxic effects of individual and combined effects of BTEX on <i>Euglena gracilis</i> . <i>Journal of Hazardous Materials</i> , 2015 , 284, 10-8	12.8	36
88	Combined effects and toxicological interactions of perfluoroalkyl and polyfluoroalkyl substances mixtures in human liver cells (HepG2). <i>Environmental Pollution</i> , 2020 , 263, 114182	9.3	34
87	Lead concentrations in tissues of fruit bats (<i>Pteropus</i> sp.) in urban and non-urban locations. <i>Wildlife Research</i> , 1993 , 20, 315	1.8	34
86	Determination of tannic acid and its phenolic metabolites in biological fluids by high-performance liquid chromatography. <i>Biomedical Applications</i> , 1992 , 577, 77-85		32
85	Metabolism of bilirubin by human cytochrome P450 2A6. <i>Toxicology and Applied Pharmacology</i> , 2012 , 261, 50-8	4.6	31
84	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, 3075-81	10.3	31
83	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, 664-9	4.5	30
82	Issues raised by the reference doses for perfluorooctane sulfonate and perfluorooctanoic acid. <i>Environment International</i> , 2017 , 105, 86-94	12.9	28
81	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, 952-9	4	28
80	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, 701-10	12.8	26
79	Unique toxic peptides isolated from sawfly larvae in three continents. <i>Toxicon</i> , 1999 , 37, 537-44	2.8	26
78	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	12.8	26
77	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	8.4	25
76	Stress response to chronic inflammation in the horse. <i>Equine Veterinary Journal</i> , 1997 , 29, 483-6	2.4	25
75	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	6.7	25

74	Imidacloprid residues in fruits, vegetables and water samples from Palestine. <i>Environmental Geochemistry and Health</i> , 2007 , 29, 45-50	4.7	25
73	BTEX in vitro exposure tool using human lung cells: trips and gains. <i>Chemosphere</i> , 2015 , 128, 321-6	8.4	24
72	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	10.2	24
71	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	8.4	23
70	Bioaccessibility of arsenic and cadmium assessed for in vitro bioaccessibility in spiked soils and their interaction during the Unified BARGE Method (UBM) extraction. <i>Chemosphere</i> , 2016 , 147, 444-50	8.4	23
69	Genotoxicity of hydroquinone in A549 cells. <i>Cell Biology and Toxicology</i> , 2013 , 29, 213-27	7.4	23
68	Effects of inflammation-associated acute-phase response on hepatic and renal indices in the horse. <i>Australian Veterinary Journal</i> , 1998 , 76, 187-94	1.2	23
67	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, 51-6	3.4	21
66	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, 8404-16	5.1	21
65	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, 1159-66	12.8	20
64	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	10.2	19
63	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, 1897-908	2.3	19
62	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	4.6	18
61	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	2.6	17
60	Bioavailability and pharmacokinetics of arsenic are influenced by the presence of cadmium. <i>Chemosphere</i> , 2014 , 112, 203-9	8.4	17
59	Urinary arsenic speciation and porphyrins in C57BL/6J mice chronically exposed to low doses of sodium arsenate. <i>Toxicology Letters</i> , 2004 , 154, 149-57	4.4	17
58	Purification of ptaquiloside, a carcinogen from <i>Pteridium aquilinum</i> . <i>Phytochemistry</i> , 1995 , 40, 53-56	4	17
57	Micronucleus formation by single and mixed heavy metals/loids and PAH compounds in HepG2 cells. <i>Mutagenesis</i> , 2015 , 30, 593-602	2.8	16

56	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	4.1	16
55	Arsenicosis status and urinary malondialdehyde (MDA) in people exposed to arsenic contaminated-coal in China. <i>Environment International</i> , 2009 , 35, 502-6	12.9	16
54	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, 13-7	2.4	16
53	Interaction effects of lead on bioavailability and pharmacokinetics of arsenic in the rat. <i>Environmental Geochemistry and Health</i> , 2013 , 35, 757-66	4.7	15
52	Free radical oxidation products in plasma and synovial fluid of horses with synovial inflammation. <i>Australian Veterinary Journal</i> , 1993 , 70, 49-52	1.2	15
51	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	12.8	14
50	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	8.4	14
49	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	7	14
48	The magical and medicinal usage of <i>Stangeria eriopus</i> in South Africa. <i>Journal of Ethnopharmacology</i> , 1994 , 43, 67-72	5	14
47	Assessment of copper and zinc status of farm horses and training thoroughbreds in south-east Queensland. <i>Australian Veterinary Journal</i> , 1988 , 65, 317-20	1.2	13
46	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	1.1	13
45	Assessment of histamine, bradykinin, prostaglandins E1 and E2 and carrageenin as vascular permeability agents in the horse. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 1991 , 14, 61-9	1.4	12
44	The effect of inflammation on the disposition of phenylbutazone in thoroughbred horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 1996 , 19, 475-81	1.4	10
43	Superoxide production by stimulated equine polymorphonuclear leukocytes--inhibition by anti-inflammatory drugs. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 1990 , 13, 59-66	1.4	10
42	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	3	9
41	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	10.2	9
40	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, 361-8	2.9	9
39	Kinetics, dose response, tachyphylaxis and cross-tachyphylaxis of vascular leakage induced by endotoxin, zymosan-activated plasma and platelet-activating factor in the horse. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 1995 , 18, 204-9	1.4	8

38	Vascular leakage induced by histamine, bradykinin, serotonin and prostaglandin E2 in greyhounds. <i>Australian Veterinary Journal</i> , 1993 , 70, 21-4	1.2	8
37	Tumours in Mice Induced by Exposure to Sodium Arsenate in Drinking Water 1999 , 217-223		8
36	Pollution characteristics and chronic health risk assessment of metals and metalloids in ambient PM in Licheng District, Jinan, China. <i>Environmental Geochemistry and Health</i> , 2020 , 42, 1803-1815	4.7	8
35	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	8.4	8
34	Assessing benzene-induced toxicity on wild type <i>Euglena gracilis</i> Z and its mutant strain SMZ. <i>Chemosphere</i> , 2013 , 93, 2381-9	8.4	7
33	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	4.4	7
32	Disposition and urinary excretion of phenylbutazone in normal and febrile greyhounds. <i>Research in Veterinary Science</i> , 1995 , 59, 261-6	2.5	7
31	A suspected case of acute copper toxicity in a horse. <i>Australian Veterinary Journal</i> , 1989 , 66, 191-2	1.2	7
30	Copper salicylate and copper phenylbutazone as topically applied anti-inflammatory agents in the rat and horse. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 1990 , 13, 67-75	1.4	7
29	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	2.6	7
28	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	2.9	7
27	Relationship of arsenic speciation and bioavailability in mine wastes for human health risk assessment. <i>Environmental Chemistry</i> , 2016 , 13, 641	3.2	6
26	Urinary arsenic methylation and porphyrin profile of C57Bl/6J mice chronically exposed to sodium arsenate. <i>Science of the Total Environment</i> , 2007 , 379, 235-43	10.2	6
25	Monthly variation in the plasma copper and zinc concentration of pregnant and non-pregnant mares. <i>Australian Veterinary Journal</i> , 1988 , 65, 61-2	1.2	6
24	Effects of arsenic and cadmium on bioaccessibility of lead in spiked soils assessed by Unified BARGE Method. <i>Chemosphere</i> , 2016 , 154, 343-349	8.4	6
23	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	5.1	5
22	Intervention trial to assess arsenic exposure from food crops in Bangladesh. <i>Archives of Environmental Health</i> , 2004 , 59, 209-12		5
21	Anti-inflammatory drugs inhibit degradation of equine synovial fluid induced by free radicals. <i>Australian Veterinary Journal</i> , 1991 , 68, 403-5	1.2	5

20	Urinary excretion of bilirubin oxidative metabolites in arsenite-treated mice. <i>Journal of Toxicological Sciences</i> , 2012 , 37, 655-61	1.9	4
19	Risk management for mycotoxin contamination of Australian maize. <i>Australian Journal of Experimental Agriculture</i> , 2008 , 48, 342		4
18	Assessment of human health risk due to lead in urban park soils using in vitro methods. <i>Chemosphere</i> , 2021 , 269, 128714	8.4	4
17	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, 1647-9	4	3
16	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
15	Phenylbutazone in racing greyhounds: plasma and urinary residues 24 and 48 hours after a single intravenous administration. <i>Australian Veterinary Journal</i> , 1995 , 72, 304-8	1.2	2
14	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> ,1	8.8	2
13	Concentrations of essential and toxic elements and health risk assessment in brown rice from Qatari market.. <i>Food Chemistry</i> , 2022 , 376, 131938	8.5	2
12	The Role of Epigenetic Changes in Benzene- Induced Acute Myeloid Leukaemia. <i>Journal of Clinical Epigenetics</i> , 2016 , 2,		2
11	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	3.2	2
10	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	3.8	1
9	Validation and bioinformatics analysis of differentially expressed circRNAs involved in developing male chronically exposed to atrazine. <i>Data in Brief</i> , 2018 , 18, 1282-1291	1.2	1
8	Assessment methodology applied to arsenic pollution in lake sediments combining static and dynamic processes. <i>Chemosphere</i> , 2021 , 277, 130260	8.4	1
7	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	12.8	1
6	Human Exposure Assessment of Mixed Metal/Loids at and Near Mega-Scale Open Beaching Shipwrecking Activities in Bangladesh. <i>Exposure and Health</i> ,1	8.8	0
5	Metal(loid) flux change in Dongting Lake due to the operation of Three Gorges Dam, China.. <i>Environmental Pollution</i> , 2022 , 119342	9.3	0
4	Isolation and characterisation of urushiol components from the Australian native cashew (<i>Semecarpus australiensis</i>). <i>Natural Toxins</i> , 1997 , 5, 96-8		
3	Laboratory and field evaluation of potential arsenic exposure from mine tailings to grazing cattle 2003 , 181-195		

- 2 Kinetics of endotoxin, complement and platelet-activating factor (PAF) induced vascular permeability in greyhounds. *Journal of Veterinary Pharmacology and Therapeutics*, **1994**, 17, 470-2 1.4
- 1 Environmental poisoning: presentation and management. *Therapeutic Drug Monitoring*, **1998**, 20, 502-9 3.2