John Pierce Wise, Sr

List of Publications by Year
in descending order

111 papers	3,552 citations	117625 34 h-index	161849 54 g-index
116 all docs	116 docs citations	116 times ranked	3901 citing authors

#	Article	IF	Citations
1	Assessing the carcinogenic potential of low-dose exposures to chemical mixtures in the environment: the challenge ahead. Carcinogenesis, 2015, 36, S254-S296.	2.8	239
2	Silver nanospheres are cytotoxic and genotoxic to fish cells. Aquatic Toxicology, 2010, 97, 34-41.	4.0	195
3	The cytotoxicity and genotoxicity of particulate and soluble hexavalent chromium in human lung cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2002, 517, 221-229.	1.7	154
4	Hexavalent Chromium-Induced DNA Damage and Repair Mechanisms. Reviews on Environmental Health, 2008, 23, 39-57.	2.4	131
5	Carcinogenic lead chromate induces DNA double-strand breaks in human lung cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2005, 586, 160-172.	1.7	106
6	Inhibition of lead chromate clastogenesis by ascorbate: relationship to particle dissolution and uptake. Carcinogenesis, 1993, 14, 429-434.	2.8	86
7	Clastogenicity of lead chromate particles in hamster and human cells. Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure, 1992, 278, 69-79.	1.2	85
8	Genotoxicity of metal nanoparticles. Reviews on Environmental Health, 2011, 26, 251-68.	2.4	81
9	Lead Chromate-Induced Chromosome Damage Requires Extracellular Dissolution to Liberate Chromium Ions but Does Not Require Particle Internalization or Intracellular Dissolution. Chemical Research in Toxicology, 2004, 17, 1362-1367.	3.3	69
10	A global assessment of chromium pollution using sperm whales (Physeter macrocephalus) as an indicator species. Chemosphere, 2009, 75, 1461-1467.	8.2	69
11	Chronic Exposure to Lead Chromate Causes Centrosome Abnormalities and Aneuploidy in Human Lung Cells. Cancer Research, 2006, 66, 4041-4048.	0.9	67
12	Chromium and genomic stability. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2012, 733, 78-82.	1.0	67
13	Chromium is the proximate clastogenic species for lead chromate-induced clastogenicity in human bronchial cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2004, 560, 79-89.	1.7	61
14	A review of the toxicity of chemical dispersants. Reviews on Environmental Health, 2011, 26, 281-300.	2.4	60
15	Telomerase-mediated lifespan extension of human bronchial cells does not affect hexavalent chromium-induced cytotoxicity or genotoxicity. Molecular and Cellular Biochemistry, 2004, 255, 103-112.	3.1	57
16	Cell-enhanced dissolution of carcinogenic lead chromate particles: the role of individual dissolution products in clastogenesis. Carcinogenesis, 1994, 15, 2249-2254.	2.8	55
17	Particulate and soluble hexavalent chromium are cytotoxic and genotoxic to human lung epithelial cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2006, 610, 2-7.	1.7	51
18	Particulate hexavalent chromium is cytotoxic and genotoxic to the North Atlantic right whale (Eubalaena glacialis) lung and skin fibroblasts. Environmental and Molecular Mutagenesis, 2009, 50, 387-393.	2.2	48

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19	Comparative Genotoxicity and Cytotoxicity of Four Hexavalent Chromium Compounds in Human Bronchial Cells. Chemical Research in Toxicology, 2010, 23, 365-372.	3.3	48
20	Hexavalent chromium is cytotoxic and genotoxic to the North Atlantic right whale (Eubalaena) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Mutagenesis, 2008, 650, 30-38.	1.7	44
21	A case-control study of maternal exposure to chromium and infant low birth weight in China. Chemosphere, 2016, 144, 1484-1489.	8.2	44
22	Zinc chromate induces chromosome instability and DNA double strand breaks in human lung cells. Toxicology and Applied Pharmacology, 2009, 234, 293-299.	2.8	43
23	Chromium Effects on Glucose Tolerance and Insulin Sensitivity in Persons at Risk for Diabetes Mellitus. Endocrine Practice, 2011, 17, 16-25.	2.1	43
24	Global mercury and selenium concentrations in skin from free-ranging sperm whales (Physeter) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54	8.0	43
25	Hexavalent Chromiumâ€“Induced Chromosome Instability Drives Permanent and Heritable Numerical and Structural Changes and a DNA Repairâ€“Deficient Phenotype. Cancer Research, 2018, 78, 4203-4214.	0.9	43
26	DNA damage induced by carcinogenic lead chromate particles in cultured mammalian cells. Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure, 1992, 280, 129-136.	1.2	42
27	Chronic Exposure to Zinc Chromate Induces Centrosome Amplification and Spindle Assembly Checkpoint Bypass in Human Lung Fibroblasts. Chemical Research in Toxicology, 2010, 23, 386-395.	3.3	42
28	Neoplastic Transformation of Human Bronchial Cells by Lead Chromate Particles. American Journal of Respiratory Cell and Molecular Biology, 2007, 37, 544-552.	2.9	41
29	Microplastics in Sea Turtles, Marine Mammals and Humans: A One Environmental Health Perspective. Frontiers in Environmental Science, 2020, 8, .	3.3	41
30	Lead ions do not cause human lung cells to escape chromate-induced cytotoxicity. Toxicology and Applied Pharmacology, 2005, 203, 167-176.	2.8	40
31	Effects of trimester-specific exposure to vanadium on ultrasound measures of fetal growth and birth size: a longitudinal prospective prenatal cohort study. Lancet Planetary Health, The, 2018, 2, e427-e437.	11.4	40
32	Particulate Depleted Uranium Is Cytotoxic and Clastogenic to Human Lung Cells. Chemical Research in Toxicology, 2007, 20, 815-820.	3.3	39
33	Ultraviolet Radiation Exposure and Risk of Non-Hodgkin's Lymphoma. American Journal of Epidemiology, 2007, 165, 1255-1264.	3.4	37
34	Homologous Recombination Repair Signaling in Chemical Carcinogenesis: Prolonged Particulate Hexavalent Chromium Exposure Suppresses the Rad51 Response in Human Lung Cells. Toxicological Sciences, 2014, 142, 117-125.	3.1	35
35	The cytotoxicity and genotoxicity of soluble and particulate cobalt in human lung fibroblast cells. Toxicology and Applied Pharmacology, 2014, 278, 259-265.	2.8	35
36	Chemical dispersants used in the Gulf of Mexico oil crisis are cytotoxic and genotoxic to sperm whale skin cells. Aquatic Toxicology, 2014, 152, 335-340.	4.0	35

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37	Hexavalent chromium induces chromosome instability in human urothelial cells. Toxicology and Applied Pharmacology, 2016, 296, 54-60.	2.8	35
38	Chronic Exposure to Particulate Chromate Induces Spindle Assembly Checkpoint Bypass in Human Lung Cells. Chemical Research in Toxicology, 2006, 19, 1492-1498.	3.3	34
39	Maternal urinary manganese and risk of low birth weight: a caseâ€“control study. BMC Public Health, 2016, 16, 142.	2.9	34
40	Prolonged exposure to particulate chromate inhibits RAD51 nuclear import mediator proteins. Toxicology and Applied Pharmacology, 2017, 331, 101-107.	2.8	34
41	Cigarette smoking, glutathione-s-transferase M1 and t1 genetic polymorphisms, and breast cancer risk (United States). Cancer Causes and Control, 2002, 13, 637-645.	1.8	33
42	The Novel Evolution of the Sperm Whale Genome. Genome Biology and Evolution, 2017, 9, 3260-3264.	2.5	33
43	Barium chromate is cytotoxic and genotoxic to human lung cells. Environmental and Molecular Mutagenesis, 2003, 42, 274-278.	2.2	32
44	Disruptive chemicals, senescence and immortality. Carcinogenesis, 2015, 36, S19-S37.	2.8	32
45	Prolonged Particulate Hexavalent Chromium Exposure Suppresses Homologous Recombination Repair in Human Lung Cells. Toxicological Sciences, 2016, 153, 70-78.	3.1	32
46	The cytotoxicity and genotoxicity of hexavalent chromium in medaka (Oryzias latipes) cells. Aquatic Toxicology, 2008, 87, 60-67.	4.0	28
47	Comparative cytotoxicity and genotoxicity of particulate and soluble hexavalent chromium in human and sperm whale (Physeter macrocephalus) skin cells. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2012, 155, 143-150.	2.6	28
48	Concentrations of the Genotoxic Metals, Chromium and Nickel, in Whales, Tar Balls, Oil Slicks, and Released Oil from the Gulf of Mexico in the Immediate Aftermath of the Deepwater Horizon Oil Crisis: Is Genotoxic Metal Exposure Part of the Deepwater Horizon Legacy?. Environmental Science & Technology, 2014, 48, 2997-3006.	10.0	26
49	Comparison of two particulate hexavalent chromium compounds: Barium chromate is more genotoxic than lead chromate in human lung cells. Environmental and Molecular Mutagenesis, 2004, 44, 156-162.	2.2	25
50	The clastogenic effects of chronic exposure to particulate and soluble Cr(VI) in human lung cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2006, 610, 8-13.	1.7	25
51	Depleted Uranium Induces Neoplastic Transformation in Human Lung Epithelial Cells. Chemical Research in Toxicology, 2010, 23, 373-378.	3.3	24
52	The genotoxicity of particulate and soluble chromate in sperm whale (physeter macrocephalus) skin fibroblasts. Environmental and Molecular Mutagenesis, 2011, 52, 43-49.	2.2	24
53	The cytotoxicity and genotoxicity of particulate and soluble hexavalent chromium in leatherback sea turtle lung cells. Aquatic Toxicology, 2018, 198, 149-157.	4.0	24
54	Excision repair is required for genotoxin-induced mutagenesis in mammalian cells. Carcinogenesis, 2008, 29, 1064-1069.	2.8	23

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55	A comparison of particulate hexavalent chromium cytotoxicity and genotoxicity in human and leatherback sea turtle lung cells from a one environmental health perspective. Toxicology and Applied Pharmacology, 2019, 376, 70-81.	2.8	22
56	Homologous recombination repair protects against particulate chromate-induced chromosome instability in Chinese hamster cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2007, 625, 145-154.	1.0	21
57	The cytotoxicity and genotoxicity of soluble and particulate cobalt in human lung epithelial cells. Environmental and Molecular Mutagenesis, 2016, 57, 282-287.	2.2	21
58	Benzo[a]pyrene cytotoxicity in right whale (Eubalaena glacialis) skin, testis and lung cell lines. Marine Environmental Research, 2006, 62, S20-S24.	2.5	20
59	Cytotoxicity and genotoxicity of hexavalent chromium in human and North Atlantic right whale (Eubalaena glacialis) lung cells. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2009, 150, 487-494.	2.6	20
60	Particulate and soluble hexavalent chromium are cytotoxic and genotoxic to Steller sea lion lung cells. Aquatic Toxicology, 2009, 91, 329-335.	4.0	20
61	Aneuploidy as an early mechanistic event in metal carcinogenesis. Biochemical Society Transactions, 2010, 38, 1650-1654.	3.4	20
62	Hexavalent chromium is cytotoxic and genotoxic to hawksbill sea turtle cells. Toxicology and Applied Pharmacology, 2014, 279, 113-118.	2.8	20
63	Hexavalent chromium is cytotoxic and genotoxic to American alligator cells. Aquatic Toxicology, 2016, 171, 30-36.	4.0	20
64	Intestinal polycyclic aromatic hydrocarbonâ€ÐNA adducts in a population of beluga whales with high levels of gastrointestinal cancers. Environmental and Molecular Mutagenesis, 2019, 60, 29-41.	2.2	19
65	Chromium Is Elevated in Fin Whale (Balaenoptera physalus) Skin Tissue and Is Genotoxic to Fin Whale Skin Cells. Biological Trace Element Research, 2015, 166, 108-117.	3.5	18
66	Titanium Dioxide Nanoparticles are not Cytotoxic or Clastogenic in Human Skin Cells. , 2014, 04, .		17
67	Chronic Exposure to Particulate Chromate Induces Premature Centrosome Separation and Centriole Disengagement in Human Lung Cells. Toxicological Sciences, 2015, 147, 490-499.	3.1	17
68	Does aluminum exposure of pregnant animals lead to accumulation in mothers or their offspring?. Teratology, 1998, 57, 127-139.	1.6	16
69	Particulate depleted uranium is cytotoxic and clastogenic to human lung epithelial cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2010, 697, 33-37.	1.7	16
70	Human Skin Cells Are More Sensitive than Human Lung Cells to the Cytotoxic and Cell Cycle Arresting Impacts of Particulate and Soluble Hexavalent Chromium. Biological Trace Element Research, 2015, 166, 49-56.	3.5	16
71	A multi-taxonomic framework for assessing relative petrochemical vulnerability of marine biodiversity in the Gulf of Mexico. Science of the Total Environment, 2021, 763, 142986.	8.0	15
72	Human lung cell growth is not stimulated by lead ions after lead chromate-induced genotoxicity. Molecular and Cellular Biochemistry, 2005, 279, 75-84.	3.1	14

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73	Metal tissue levels in Steller sea lion (Eumetopias jubatus) pups. Marine Pollution Bulletin, 2008, 56, 1416-1421.	5.0	14
74	The cytotoxicity and genotoxicity of hexavalent chromium in Steller sea lion lung fibroblasts compared to human lung fibroblasts. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2010, 152, 91-98.	2.6	14
75	Comparative cytotoxicity and genotoxicity of soluble and particulate hexavalent chromium in human and hawksbill sea turtle (Eretmochelys imbricata) skin cells. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2015, 178, 145-155.	2.6	14
76	From the Cover: Alterations in Optineurin Expression and Localization in Pre-clinical Parkinsonâ€™s Disease Models. Toxicological Sciences, 2016, 153, 372-381.	3.1	14
77	Metal Levels in Whales from the Gulf of Maine: A One Environmental Health approach. Chemosphere, 2019, 216, 653-660.	8.2	14
78	Global assessment of arsenic pollution using sperm whales (Physeter macrocephalus) as an emerging aquatic model organism. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2014, 163, 55-63.	2.6	13
79	XRCC1 protects cells from chromate-induced chromosome damage, but does not affect cytotoxicity. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2006, 610, 31-37.	1.7	12
80	The impact of homologous recombination repair deficiency on depleted uranium clastogenicity in Chinese hamster ovary cells: XRCC3 protects cells from chromosome aberrations, but increases chromosome fragmentation. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2014, 762, 1-9.	1.0	12
81	Ku80 Deficiency Does Not Affect Particulate Chromate-Induced Chromosome Damage and Cytotoxicity in Chinese Hamster Ovary Cells. Toxicological Sciences, 2007, 97, 348-354.	3.1	11
82	Transcriptomic analysis of cultured whale skin cells exposed to hexavalent chromium [Cr(VI)]. Aquatic Toxicology, 2013, 134-135, 74-81.	4.0	11
83	One Environmental Health: an emerging perspective in toxicology. F1000Research, 2018, 7, 918.	1.6	11
84	Long-term association of serum selenium levels and the diabetes risk: Findings from a case-control study nested in the prospective Jinchang Cohort. Science of the Total Environment, 2022, 818, 151848.	8.0	11
85	Prolonged particulate chromate exposure does not inhibit homologous recombination repair in North Atlantic right whale (Eubalaena glacialis) lung cells. Toxicology and Applied Pharmacology, 2017, 331, 18-23.	2.8	10
86	Global assessment of oceanic lead pollution using sperm whales (Physeter macrocephalus) as an indicator species. Marine Pollution Bulletin, 2014, 79, 236-244.	5.0	9
87	Particulate hexavalent chromium alters microRNAs in human lung cells that target key carcinogenic pathways. Toxicology and Applied Pharmacology, 2022, 438, 115890.	2.8	9
88	XRCC1 Protects against Particulate Chromateâ€“Induced Chromosome Damage and Cytotoxicity in Chinese Hamster Ovary Cells. Toxicological Sciences, 2006, 92, 409-415.	3.1	8
89	Particulate Hexavalent Chromium Inhibits E2F1 Leading to Reduced RAD51 Nuclear Foci Formation in Human Lung Cells. Toxicological Sciences, 2021, 181, 35-46.	3.1	8
90	Mechanisms of metal-induced centrosome amplification. Biochemical Society Transactions, 2010, 38, 1687-1690.	3.4	7

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91	Chemically dispersed oil is cytotoxic and genotoxic to sperm whale skin cells. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2018, 208, 64-70.	2.6	6
92	A whale of a tale: A One Environmental Health approach to study metal pollution in the Sea of Cortez. Toxicology and Applied Pharmacology, 2019, 376, 58-69.	2.8	6
93	Role of the Fancg gene in protecting cells from particulate chromate-induced chromosome instability. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2007, 626, 120-127.	1.7	5
94	The Cytotoxicity and Genotoxicity of Particulate and Soluble Cobalt in Human Urothelial Cells. Biological Trace Element Research, 2017, 180, 48-55.	3.5	5
95	Metal Levels in Southern Right Whales (Eubalaena australis) from PenÃnsula ValdÃ©s, Argentina. , 2013, 03, .		5
96	XRCC1 Protects against Particulate Chromateâ€“Induced Chromosome Damage and Cytotoxicity in Chinese Hamster Ovary Cells. Toxicological Sciences, 2006, 92, 96-102.	3.1	4
97	Sampling the skin transcriptome of the North Atlantic right whale. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2009, 4, 154-158.	1.0	4
98	Molecular Mechanisms of Chromium-Induced Carcinogenesis. Molecular and Integrative Toxicology, 2017, , 143-180.	0.5	4
99	Prolonged exposure to particulate Cr(VI) is cytotoxic and genotoxic to fin whale cells. Journal of Trace Elements in Medicine and Biology, 2020, 62, 126562.	3.0	4
100	Mutation research, genetic toxicology and environmental mutagenesis. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2005, 581, 193-196.	1.7	2
101	Medaka (Oryzias latipes) as a sentinel species for aquatic animals: Medaka cells exhibit a similar genotoxic response as North Atlantic right whale cells. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2009, 149, 210-214.	2.6	2
102	Re: Toxic effects of various pollutants in 11B7501 lymphoma B cell line from harbour seal (Phoca) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.2	2
103	Protein tyrosine phosphatase (PTP) inhibition enhances chromosomal stability after genotoxic stress: Decreased chromosomal instability (CIN) at the expense of enhanced genomic instability (GIN)?. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2012, 735, 51-55.	1.0	2
104	Chronic Exposure to Particulate Nickel Induces Neoplastic Transformation in Human Lung Epithelial Cells. Toxics, 2013, 1, 46-59.	3.7	2
105	Global assessment of cadmium concentrations in the skin of free-ranging sperm whales (Physeter) Tj ETQq1 1 0.784314 rgBT /Overlo 2015, 178, 136-144.	2.6	2
106	Current Status on Chromium Research and Its Implications for Health and Risk Assessment. , 2018, , .		2
107	Polycyclic Aromatic Hydrocarbon-DNA Adducts in Gulf of Mexico Sperm Whale Skin Biopsies Collected in 2012. Toxicological Sciences, 2021, 181, 115-124.	3.1	2
108	Chronic Exposure to Particulate Hexavalent Chromium Alters Cdc20 Protein Localization, Interactions and Expression. Journal of Carcinogenesis & Mutagenesis, 2013, 04, .	0.3	1

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109	Hexavalent Chromium. , 2011, , 1690-1693.		0
110	Hexavalent Chromium. , 2017, , 2073-2076.		0
111	Metal Carcinogenesis and DNA Damage: A Case Study Using Hexavalent Chromium. , 2018, , 171-208.		0