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	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
2	Particulate hexavalent chromium alters microRNAs in human lung cells that target key carcinogenic pathways. Toxicology and Applied Pharmacology, 2022, 438, 115890.	2.8	9
3	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
4	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
5	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
6	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
7	Microplastics in Sea Turtles, Marine Mammals and Humans: A One Environmental Health Perspective. Frontiers in Environmental Science, 2020, 8, .	3.3	41
8	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
9	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
10	Metal Levels in Whales from the Gulf of Maine: A One Environmental Health approach. Chemosphere, 2019, 216, 653-660.	8.2	14
11	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
12	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
13	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
14	Current Status on Chromium Research and Its Implications for Health and Risk Assessment. , 2018, , .		2
15	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
16	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
17	One Environmental Health: an emerging perspective in toxicology. F1000Research, 2018, 7, 918.	1.6	11
18	Metal Carcinogenesis and DNA Damage: A Case Study Using Hexavalent Chromium. , 2018, , 171-208.		0

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19	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
20	Prolonged exposure to particulate chromate inhibits RAD51 nuclear import mediator proteins. Toxicology and Applied Pharmacology, 2017, 331, 101-107.	2.8	34
21	The Cytotoxicity and Genotoxicity of Particulate and Soluble Cobalt in Human Urothelial Cells. Biological Trace Element Research, 2017, 180, 48-55.	3.5	5
22	Molecular Mechanisms of Chromium-Induced Carcinogenesis. Molecular and Integrative Toxicology, 2017, , 143-180.	0.5	4
23	The Novel Evolution of the Sperm Whale Genome. Genome Biology and Evolution, 2017, 9, 3260-3264.	2.5	33
24	Hexavalent Chromium. , 2017, , 2073-2076.		0
25	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
26	Prolonged Particulate Hexavalent Chromium Exposure Suppresses Homologous Recombination Repair in Human Lung Cells. Toxicological Sciences, 2016, 153, 70-78.	3.1	32
27	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
28	Maternal urinary manganese and risk of low birth weight: a caseâ€“control study. BMC Public Health, 2016, 16, 142.	2.9	34
29	A case-control study of maternal exposure to chromium and infant low birth weight in China. Chemosphere, 2016, 144, 1484-1489.	8.2	44
30	Hexavalent chromium induces chromosome instability in human urothelial cells. Toxicology and Applied Pharmacology, 2016, 296, 54-60.	2.8	35
31	Hexavalent chromium is cytotoxic and genotoxic to American alligator cells. Aquatic Toxicology, 2016, 171, 30-36.	4.0	20
32	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
33	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
34	Global assessment of cadmium concentrations in the skin of free-ranging sperm whales (Physeter) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2015, 178, 136-144.	2.6	2
35	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
36	Disruptive chemicals, senescence and immortality. Carcinogenesis, 2015, 36, S19-S37.	2.8	32

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37	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
38	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
39	Titanium Dioxide Nanoparticles are not Cytotoxic or Clastogenic in Human Skin Cells. , 2014, 04, .		17
40	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
41	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
42	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
43	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
44	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
45	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
46	Hexavalent chromium is cytotoxic and genotoxic to hawksbill sea turtle cells. Toxicology and Applied Pharmacology, 2014, 279, 113-118.	2.8	20
47	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
48	Global mercury and selenium concentrations in skin from free-ranging sperm whales (Physeter) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	8.0	43
49	Transcriptomic analysis of cultured whale skin cells exposed to hexavalent chromium [Cr(VI)]. Aquatic Toxicology, 2013, 134-135, 74-81.	4.0	11
50	Chronic Exposure to Particulate Nickel Induces Neoplastic Transformation in Human Lung Epithelial Cells. Toxics, 2013, 1, 46-59.	3.7	2
51	Metal Levels in Southern Right Whales (Eubalaena australis) from PenÃnsula ValdÃ©s, Argentina. , 2013, 03, .		5
52	Chronic Exposure to Particulate Hexavalent Chromium Alters Cdc20 Protein Localization, Interactions and Expression. Journal of Carcinogenesis & Mutagenesis, 2013, 04, .	0.3	1
53	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
54	Chromium and genomic stability. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2012, 733, 78-82.	1.0	67

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55	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
56	Genotoxicity of metal nanoparticles. Reviews on Environmental Health, 2011, 26, 251-68.	2.4	81
57	Chromium Effects on Glucose Tolerance and Insulin Sensitivity in Persons at Risk for Diabetes Mellitus. Endocrine Practice, 2011, 17, 16-25.	2.1	43
58	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
59	Re: Toxic effects of various pollutants in 11B7501 lymphoma B cell line from harbour seal (Phoca) Tj ETQq1 1 0.784314 rgBT /Overloc	4.2	2
60	A review of the toxicity of chemical dispersants. Reviews on Environmental Health, 2011, 26, 281-300.	2.4	60
61	Hexavalent Chromium. , 2011, , 1690-1693.		0
62	Aneuploidy as an early mechanistic event in metal carcinogenesis. Biochemical Society Transactions, 2010, 38, 1650-1654.	3.4	20
63	Mechanisms of metal-induced centrosome amplification. Biochemical Society Transactions, 2010, 38, 1687-1690.	3.4	7
64	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
65	Depleted Uranium Induces Neoplastic Transformation in Human Lung Epithelial Cells. Chemical Research in Toxicology, 2010, 23, 373-378.	3.3	24
66	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
67	Comparative Genotoxicity and Cytotoxicity of Four Hexavalent Chromium Compounds in Human Bronchial Cells. Chemical Research in Toxicology, 2010, 23, 365-372.	3.3	48
68	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
69	Silver nanospheres are cytotoxic and genotoxic to fish cells. Aquatic Toxicology, 2010, 97, 34-41.	4.0	195
70	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
71	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
72	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

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73	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
74	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
75	A global assessment of chromium pollution using sperm whales (Physeter macrocephalus) as an indicator species. Chemosphere, 2009, 75, 1461-1467.	8.2	69
76	Particulate and soluble hexavalent chromium are cytotoxic and genotoxic to Steller sea lion lung cells. Aquatic Toxicology, 2009, 91, 329-335.	4.0	20
77	Metal tissue levels in Steller sea lion (Eumetopias jubatus) pups. Marine Pollution Bulletin, 2008, 56, 1416-1421.	5.0	14
78	Hexavalent chromium is cytotoxic and genotoxic to the North Atlantic right whale (Eubalaena) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Mutagenesis, 2008, 650, 30-38.	1.7	44
79	The cytotoxicity and genotoxicity of hexavalent chromium in medaka (Oryzias latipes) cells. Aquatic Toxicology, 2008, 87, 60-67.	4.0	28
80	Hexavalent Chromium-Induced DNA Damage and Repair Mechanisms. Reviews on Environmental Health, 2008, 23, 39-57.	2.4	131
81	Excision repair is required for genotoxin-induced mutagenesis in mammalian cells. Carcinogenesis, 2008, 29, 1064-1069.	2.8	23
82	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
83	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
84	Ultraviolet Radiation Exposure and Risk of Non-Hodgkin's Lymphoma. American Journal of Epidemiology, 2007, 165, 1255-1264.	3.4	37
85	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
86	Particulate Depleted Uranium Is Cytotoxic and Clastogenic to Human Lung Cells. Chemical Research in Toxicology, 2007, 20, 815-820.	3.3	39
87	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
88	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
89	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
90	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

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91	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
92	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
93	XRCC1 Protects against Particulate Chromateâ€“Induced Chromosome Damage and Cytotoxicity in Chinese Hamster Ovary Cells. Toxicological Sciences, 2006, 92, 96-102.	3.1	4
94	XRCC1 Protects against Particulate Chromateâ€“Induced Chromosome Damage and Cytotoxicity in Chinese Hamster Ovary Cells. Toxicological Sciences, 2006, 92, 409-415.	3.1	8
95	Chronic Exposure to Lead Chromate Causes Centrosome Abnormalities and Aneuploidy in Human Lung Cells. Cancer Research, 2006, 66, 4041-4048.	0.9	67
96	Lead ions do not cause human lung cells to escape chromate-induced cytotoxicity. Toxicology and Applied Pharmacology, 2005, 203, 167-176.	2.8	40
97	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
98	Mutation research, genetic toxicology and environmental mutagenesis. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2005, 581, 193-196.	1.7	2
99	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
100	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
101	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
102	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
103	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
104	Barium chromate is cytotoxic and genotoxic to human lung cells. Environmental and Molecular Mutagenesis, 2003, 42, 274-278.	2.2	32
105	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
106	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
107	Does aluminum exposure of pregnant animals lead to accumulation in mothers or their offspring?. Teratology, 1998, 57, 127-139.	1.6	16
108	Cell-enhanced dissolution of carcinogenic lead chromate particles: the role of individual dissolution products in clastogenesis. Carcinogenesis, 1994, 15, 2249-2254.	2.8	55

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109	Inhibition of lead chromate clastogenesis by ascorbate: relationship to particle dissolution and uptake. Carcinogenesis, 1993, 14, 429-434.	2.8	86
110	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
111	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