Scott W Burchiel

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2159404/publications.pdf

Version: 2024-02-01

105 papers	3,566 citations	136950 32 h-index	155660 55 g-index
108 all docs	108 docs citations	108 times ranked	3700 citing authors

#	Article	IF	Citations
1	Exposure to arsenic and level of Vitamin D influence the number of Th17 cells and production of IL-17A in human peripheral blood mononuclear cells in adults. PLoS ONE, 2022, 17, e0266168.	2.5	4
2	Modulation of PARP activity by Monomethylarsonous (MMA+3) acid and uranium in mouse thymus. Toxicology and Applied Pharmacology, 2021, 411, 115362.	2.8	4
3	Uranium directly interacts with the DNA repair protein poly (ADP-ribose) polymerase 1. Toxicology and Applied Pharmacology, 2021, 410, 115360.	2.8	4
4	Uptake and Toxicity of Respirable Carbon-Rich Uranium-Bearing Particles: Insights into the Role of Particulates in Uranium Toxicity. Environmental Science & Technology, 2021, 55, 9949-9957.	10.0	10
5	Arsenite and monomethylarsonous acid disrupt erythropoiesis through combined effects on differentiation and survival pathways in early erythroid progenitors. Toxicology Letters, 2021, 350, 111-120.	0.8	6
6	Arsenite exposure inhibits the erythroid differentiation of human hematopoietic progenitor CD34+â€‰cells and causes decreased levels of hemoglobin. Scientific Reports, 2021, 11, 22121.	3.3	4
7	Inhibition of red blood cell development by arsenic-induced disruption of GATA-1. Scientific Reports, 2020, 10, 19055.	3.3	18
8	Exposures to uranium and arsenic alter intraepithelial and innate immune cells in the small intestine of male and female mice. Toxicology and Applied Pharmacology, 2020, 403, 115155.	2.8	23
9	Arsenic exposure associated T cell proliferation, smoking, and vitamin D in Bangladeshi men and women. PLoS ONE, 2020, 15, e0234965.	2.5	9
10	A Pathophysiologic Primary Prevention Review of Aspirin Administration to Prevent Cardiovascular Thrombosis. Endocrine Practice, 2020, 26, 787-793.	2.1	6
11	Changes in human peripheral blood mononuclear cell (HPBMC) populations and T-cell subsets associated with arsenic and polycyclic aromatic hydrocarbon exposures in a Bangladesh cohort. PLoS ONE, 2019, 14, e0220451.	2.5	16
12	An increase in circulating B cells and B cell activation markers in peripheral blood is associated with cigarette smoking in a male cohort in Bangladesh. Toxicology and Applied Pharmacology, 2019, 384, 114783.	2.8	6
13	Assessment of arsenic and polycyclic aromatic hydrocarbon (PAH) exposures on immune function among males in Bangladesh. PLoS ONE, 2019, 14, e0216662.	2.5	24
14	Minimal uranium immunotoxicity following a 60-day drinking water exposure to uranyl acetate in male and female C57BL/6J mice. Toxicology and Applied Pharmacology, 2019, 372, 33-39.	2.8	4
15	Title is missing!. , 2019, 14, e0220451.		0
16	Title is missing!. , 2019, 14, e0220451.		0
17	Title is missing!. , 2019, 14, e0220451.		0
18	Title is missing!. , 2019, 14, e0220451.		0

#	Article	IF	Citations
19	Minimal uranium accumulation in lymphoid tissues following an oral 60-day uranyl acetate exposure in male and female C57BL/6J mice. PLoS ONE, 2018, 13, e0205211.	2.5	14
20	Toxicity of environmentally-relevant concentrations of arsenic on developing T lymphocyte. Environmental Toxicology and Pharmacology, 2018, 62, 107-113.	4.0	21
21	Efflux Transporters Regulate Arsenite-Induced Genotoxicity in Double Negative and Double Positive T Cells. Toxicological Sciences, 2017, 158, 127-139.	3.1	10
22	Low level arsenite exposures suppress the development of bone marrow erythroid progenitors and result in anemia in adult male mice. Toxicology Letters, 2017, 273, 106-111.	0.8	19
23	Arsenic exposures alter clinical indicators of anemia in a male population of smokers and non-smokers in Bangladesh. Toxicology and Applied Pharmacology, 2017, 331, 62-68.	2.8	21
24	Genotoxicity induced by monomethylarsonous acid (MMA +3) in mouse thymic developing T cells. Toxicology Letters, 2017, 279, 60-66.	0.8	14
25	Intracellular Cytokine Detection by Flow Cytometry in Surface Markerâ€Defined Human Peripheral Blood Mononuclear T Cells. Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al], 2017, 73, 18.19.1-18.19.14.	1.1	6
26	Isolation, Cryopreservation, and Immunophenotyping of Human Peripheral Blood Mononuclear Cells. Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al], 2017, 74, 18.20.1-18.20.16.	1.1	21
27	Evaluation of Toxicity in Mouse Bone Marrow Progenitor Cells. Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al], 2016, 67, 18.9.1-18.9.12.	1.1	7
28	Environmentally relevant concentrations of arsenite and monomethylarsonous acid inhibit IL-7/STAT5 cytokine signaling pathways in mouse CD3+CD4-CD8- double negative thymus cells. Toxicology Letters, 2016, 247, 62-68.	0.8	16
29	Monomethylarsonous acid (MMA⁺³) Inhibits IL-7 Signaling in Mouse Pre-B Cells. Toxicological Sciences, 2016, 149, 289-299.	3.1	20
30	Differential sensitivities of bone marrow, spleen and thymus to genotoxicity induced by environmentally relevant concentrations of arsenite. Toxicology Letters, 2016, 262, 55-61.	0.8	26
31	Editorâ€™s Highlight: Interactive Genotoxicity Induced by Environmentally Relevant Concentrations of Benzo(a)Pyrene Metabolites and Arsenite in Mouse Thymus Cells. Toxicological Sciences, 2016, 154, 153-161.	3.1	16
32	Environmentally Relevant Concentrations of Arsenite Induce Dose-Dependent Differential Genotoxicity Through Poly(ADP-Ribose) Polymerase Inhibition and Oxidative Stress in Mouse Thymus Cells. Toxicological Sciences, 2016, 149, 31-41.	3.1	24
33	Changes in HPBMC markers of immmune function following controlled short-term inhalation exposures of humans to hardwood smoke. Inhalation Toxicology, 2016, 28, 61-70.	1.6	6
34	S-nitrosation on zinc finger motif of PARP-1 as a mechanism of DNA repair inhibition by arsenite. Oncotarget, 2016, 7, 80482-80492.	1.8	22
35	Analysis of dibenzo[def,p]chrysene-deoxyadenosine adducts in wild-type and cytochrome P450 1b1 knockout mice using stable-isotope dilution UHPLC-MS/MS. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2015, 782, 51-56.	1.7	10
36	Arsenite Interacts with Dibenzo[def,p]chrysene (DBC) at Low Levels to Suppress Bone Marrow Lymphoid Progenitors in Mice. Biological Trace Element Research, 2015, 166, 82-88.	3.5	9

#	Article	IF	Citations
37	Arsenite Selectively Inhibits Mouse Bone Marrow Lymphoid Progenitor Cell Development In Vivo and In Vitro and Suppresses Humoral Immunity In Vivo. PLoS ONE, 2014, 9, e93920.	2.5	29
38	Differential Binding of Monomethylarsonous Acid Compared to Arsenite and Arsenic Trioxide with Zinc Finger Peptides and Proteins. Chemical Research in Toxicology, 2014, 27, 690-698.	3.3	61
39	Differential Susceptibility of Human Peripheral Blood T Cells to Suppression by Environmental Levels of Sodium Arsenite and Monomethylarsonous Acid. PLoS ONE, 2014, 9, e109192.	2.5	36
40	Polycyclic Aromatic Hydrocarbons and the Immune System. , 2014, , 1-7.		7
41	Dibenzo[def,p]Chrysene (DBC) Suppresses Antibody Formation in Spleen Cells Following Oral Exposures of Mice. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2013, 76, 16-24.	2.3	13
42	Ethanol-induced oxidative stress is associated with EGF receptor phosphorylation in MCF-10A cells overexpressing CYP2E1. Toxicology Letters, 2012, 209, 161-165.	0.8	44
43	Principal component analysis optimization of a PM2.5 land use regression model with small monitoring network. Science of the Total Environment, 2012, 425, 27-34.	8.0	41
44	Evaluation of land use regression models for NO2 in El Paso, Texas, USA. Science of the Total Environment, 2012, 432, 135-142.	8.0	18
45	Analysis of ethanol metabolic enzymes in primary human mammary epithelial cells and MCFâ€10A cells: possible participation of CYP2E1 in ethanolâ€induced oxidative stress and epidermal growth factor receptor (EGFR) activation. FASEB Journal, 2012, 26, 758.4.	0.5	0
46	Potential Risks Resulting from Fruit/Vegetableâ€“Drug Interactions: Effects on Drugâ€Metabolizing Enzymes and Drug Transporters. Journal of Food Science, 2011, 76, R112-24.	3.1	153
47	Low-dose synergistic immunosuppression of T-dependent antibody responses by polycyclic aromatic hydrocarbons and arsenic in C57BL/6J murine spleen cells. Toxicology and Applied Pharmacology, 2010, 245, 344-351.	2.8	43
48	EGF-receptor phosphorylation and downstream signaling are activated by benzo[a]pyrene 3,6-quinone and benzo[a]pyrene 1,6-quinone in human mammary epithelial cells. Toxicology and Applied Pharmacology, 2009, 235, 321-328.	2.8	27
49	Temporalâ€“spatial analysis of U.S.â€“Mexico border environmental fine and coarse PM air sample extract activity in human bronchial epithelial cells. Toxicology and Applied Pharmacology, 2009, 238, 1-10.	2.8	45
50	Immunotoxicity and biodistribution analysis of arsenic trioxide in C57Bl/6 mice following a 2-week inhalation exposure. Toxicology and Applied Pharmacology, 2009, 241, 253-259.	2.8	43
51	Risks and benefits of commonly used herbal medicines in Mexico. Toxicology and Applied Pharmacology, 2008, 227, 125-135.	2.8	138
52	p53 and ATM/ATR Regulate 7,12-Dimethylbenz[a]anthracene-Induced Immunosuppression. Molecular Pharmacology, 2008, 73, 137-146.	2.3	31
53	Pulmonary and Systemic Immune Response to Inhaled Multiwalled Carbon Nanotubes. Toxicological Sciences, 2007, 100, 203-214.	3.1	371
54	Microsomal Expoxide Hydrolase Is Required for 7,12-Dimethylbenz[a]anthracene (DMBA)-Induced Immunotoxicity in Mice. Toxicological Sciences, 2007, 98, 137-144.	3.1	35

#	Article	IF	Citations
55	Activation of dioxin response element (DRE)-associated genes by benzo(a)pyrene 3,6-quinone and benzo(a)pyrene 1,6-quinone in MCF-10A human mammary epithelial cells. Toxicology and Applied Pharmacology, 2007, 221, 203-214.	2.8	52
56	PYK2 mediates anti-apoptotic AKT signaling in response to benzo[a]pyrene diol epoxide in mammary epithelial cells. Carcinogenesis, 2006, 27, 2331-2340.	2.8	42
57	Hardwood smoke alters murine splenic T cell responses to mitogens following a 6-month whole body inhalation exposure. Toxicology and Applied Pharmacology, 2005, 202, 229-236.	2.8	24
58	Ryanodine Receptor-Mediated Rapid Increase in Intracellular Calcium Induced by 7,8-Benzo(a)Pyrene Quinone in Human and Murine Leukocytes. Toxicological Sciences, 2005, 87, 419-426.	3.1	23
59	Cytochrome P450 1B1 Is Required for 7,12-Dimethylbenz(a)-anthracene (DMBA) Induced Spleen Cell Immunotoxicity. Toxicological Sciences, 2005, 86, 68-74.	3.1	58
60	Effect of Cigarette Smoke on Autoimmunity in Murine and Human Systemic Lupus Erythematosus. Toxicological Sciences, 2005, 87, 86-96.	3.1	38
61	Drug-induced vascular injuryâ€"a quest for biomarkers. Toxicology and Applied Pharmacology, 2005, 203, 62-87.	2.8	81
62	Evaluation of spin trapping agents and trapping conditions for detection of cell-generated reactive oxygen species. Archives of Biochemistry and Biophysics, 2005, 437, 59-68.	3.0	82
63	Systemic immunotoxicity in AJ mice following 6-month whole body inhalation exposure to diesel exhaust. Toxicology and Applied Pharmacology, 2004, 196, 337-345.	2.8	27
64	The aryl hydrocarbon receptor antagonist, 3â€²methoxy-4â€²nitroflavone, attenuates 2,3,7,8-tetrachlorodibenzo-p-dioxin-dependent regulation of growth factor signaling and apoptosis in the MCF-10A cell line. Toxicology and Applied Pharmacology, 2003, 188, 42-49.	2.8	32
65	Environmental polycyclic aromatic hydrocarbons, benzo(a) pyrene (BaP) and BaP-quinones, enhance IgE-mediated histamine release and IL-4 production in human basophils. Clinical Immunology, 2003, 107, 10-19.	3.2	40
66	Benzo[a]Pyrene Diones are Produced by Photochemical and Enzymatic Oxidation and Induce Concentration-Dependent Decreases in the Proliferative State of Human Pulmonary Epithelial Cells. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2003, 66, 1189-1205.	2.3	38
67	3-Methylindole-Induced Toxicity to Human Bronchial Epithelial Cell Lines. Toxicological Sciences, 2003, 71, 229-236.	3.1	51
68	Aryl hydrocarbon receptor-mediated activity of particulate organic matter from the Paso del Norte airshed along the U.S.-Mexico border.. Environmental Health Perspectives, 2003, 111, 1299-1305.	6.0	25
69	Benzo(a)pyrene quinones increase cell proliferation, generate reactive oxygen species, and transactivate the epidermal growth factor receptor in breast epithelial cells. Cancer Research, 2003, 63, 7825-33.	0.9	141
70	Determining the Site of Spin Trapping of the Equine Myoglobin Radical by Combined Use of EPR, Electrophoretic Purification, and Mass Spectrometry. Chemical Research in Toxicology, 2002, 15, 1589-1594.	3.3	20
71	Signaling by Environmental Polycyclic Aromatic Hydrocarbons in Human Lymphocytes. Clinical Immunology, 2001, 98, 2-10.	3.2	193
72	A Bioactive Metabolite of Benzo[a]pyrene, Benzo[a]pyrene-7,8-dione, Selectively Alters Microsomal Ca2+Transport and Ryanodine Receptor Function. Molecular Pharmacology, 2001, 59, 506-513.	2.3	22

#	Article	IF	Citations
73	Interactions between benzo[a]pyrene and UVA light affecting ATP levels, cytoskeletal organization, and resistance to trypsinization. Toxicology Letters, 2000, 117, 11-23.	0.8	15
74	Factors influencing elevation of intracellular Ca2+ in the MCF-10A human mammary epithelial cell line by carcinogenic polycyclic aromatic hydrocarbons. , 1999, 25, 48-54.		43
75	Uses and Future Applications of Flow Cytometry in Immunotoxicity Testing. Methods, 1999, 19, 28-35.	3.8	24
76	Alterations in Human B Cell Calcium Homeostasis by Polycyclic Aromatic Hydrocarbons: Possible Associations with Cytochrome P450 Metabolism and Increased Protein Tyrosine Phosphorylation. Toxicology and Applied Pharmacology, 1998, 149, 80-89.	2.8	58
77	Apoptosis in Daudi Human B Cells in Response to Benzo[a]pyrene and Benzo[a]pyrene-7,8-dihydrodiol. Toxicology and Applied Pharmacology, 1998, 151, 367-376.	2.8	83
78	Assessment of Immunotoxicity by Multiparameter Flow Cytometry. Toxicological Sciences, 1997, 38, 38-54.	3.1	0
79	Depletion of Glutathione by Benzo(a)pyrene Metabolites, Ionomycin, Thapsigargin, and Phorbol Myristate in Human Peripheral Blood Mononuclear Cells. Toxicology and Applied Pharmacology, 1997, 144, 62-69.	2.8	60
80	Characterization of Intracellular Calcium Responses Produced by Polycyclic Aromatic Hydrocarbons in Surface Marker-Defined Human Peripheral Blood Mononuclear Cells. Toxicology and Applied Pharmacology, 1997, 145, 323-330.	2.8	30
81	Human T Cells Are Highly Sensitive to Suppression of Mitogenesis by Polycyclic Aromatic Hydrocarbons and This Effect Is Differentially Reversed by Î±-Naphthoflavone. Toxicology and Applied Pharmacology, 1996, 139, 333-341.	2.8	140
82	Inhibition of sarco-endoplasmic reticulum calcium ATPases (serca) by polycyclic aromatic hydrocarbons: lack of evidence for direct effects on cloned rat enzymes. International Journal of Immunopharmacology, 1996, 18, 589-598.	1.1	14
83	Role of alterations in ca²⁺â€associated signaling pathways in the immunotoxicity of polycyclic aromatic hydrocarbons. Journal of Toxicology and Environmental Health - Part A: Current Issues, 1995, 45, 101-126.	2.3	97
84	Inhibition of Humoral Immunity and Mitogen Responsiveness of Lymphoid Cells Following Oral Administration of the Heterocyclic Food Mutagen 2-Amino-1-methyl-6-Phenylimidazo [4,5-b](PhIP) to B6C3F1 Mice. Toxicological Sciences, 1994, 23, 81-86.	3.1	0
85	Analysis of radiolabeled CHO cell-derived rHuGM-CSF pharmacokinetics and biodistribution in rhesus monkeys following intravenous and subcutaneous injection. International Journal of Immunopharmacology, 1994, 16, 75-90.	1.1	1
86	Polycyclic Aromatic Hydrocarbons Decrease Intracellular Glutathione Levels in the A20.1 Murine B Cell Lymphoma. Fundamental and Applied Toxicology, 1994, 23, 336-341.	1.8	14
87	DMBA Induces Programmed Cell Death (Apoptosis) in the A20.1 Murine B Cell Lymphoma. Toxicological Sciences, 1993, 21, 120-124.	3.1	3
88	DMBA-induced cytotoxicity in lymphoid and nonlymphoid organs of B6C3F1 mice: Relation of cell death to target cell intracellular calcium and DNA damage. Toxicology and Applied Pharmacology, 1992, 113, 126-132.	2.8	44
89	Covalent binding of 7,12-dimethylbenz[a]anthracene to lymphoid and nonlymphoid tissues following oral administration to B6C3F1 mice. Toxicology and Applied Pharmacology, 1992, 113, 133-137.	2.8	11
90	Inhibition of calcium-dependent pathways of B-cell activation by DMBA. Toxicology and Applied Pharmacology, 1992, 116, 202-208.	2.8	18

#	Article	IF	Citations
91	Alterations in mitogen-induced calcium mobilization and intracellular free calcium produced by 7,12-dimethylbenz(a)anthracene in the Jurkat human T cell line. International Journal of Immunopharmacology, 1991, 13, 109-115.	1.1	32
92	Inhibition of lymphocyte activation in splenic and gut-associated lymphoid tissues following oral exposure of mice to 7,12-dimethylbenz[a]anthracene. Toxicology and Applied Pharmacology, 1990, 105, 434-442.	2.8	40
93	Persistent suppression of humoral immunity produced by 7,12-dimethylbenz(a)anthracene (DMBA) in B6C3F1 mice: Correlation with changes in spleen cell surface markers detected by flow cytometry. International Journal of Immunopharmacology, 1988, 10, 369-376.	1.1	32
94	Analysis of heavy metal immunotoxicity by multiparameter flow cytometry: Correlation of flow cytometry and immune function data in B6CF1 mice. International Journal of Immunopharmacology, 1987, 9, 597-610.	1.1	26
95	Flow cytometry coulter volume analysis of lead- and cadmium-induced cellular alterations in bone marrow obtained from young adult and aged balb/c mice. Toxicology Letters, 1986, 34, 89-94.	0.8	7
96	[57] Purification and analysis of monoclonal antibodies by high-performance liquid chromatography. Methods in Enzymology, 1986, 121, 596-615.	1.0	17
97	Clonal heterogeneity of cyclic amp responsiveness: A comparison of malignant murine lymphoid cell lines. International Journal of Immunopharmacology, 1984, 6, 35-42.	1.1	5
98	Radioimmunoimaging with 99mTc monoclonal antibodies: Clinical studies. International Journal of Nuclear Medicine and Biology, 1984, 11, 184-188.	0.3	19
99	Rapid and efficient purification of mouse monoclonal antibodies from ascites fluid using high performance liquid chromatography. Journal of Immunological Methods, 1984, 69, 33-42.	1.4	73
100	Gamma Scintigraphy Using Tc-99m Labeled Antibody to Human Chorionic Gonadotropin. Clinical Nuclear Medicine, 1984, 9, 20-24.	1.3	1
101	Radioimmunoimaging with Tc-99m labeled mouse monoclonal antibodies in humans. Clinical Immunology Newsletter, 1983, 4, 61-65.	0.1	0
102	PGI2 and PGD2 effects on cyclic amp and human T-cell mitogenesis. Prostaglandins, Leukotrienes and Essential Fatty Acids, 1979, 3, 315-320.	1.1	22
103	Augmentation of the in vitro humoral immune response by pharmacologic agents. I: An explanation for the differential enhancement of humoral immunity via agents that elevate cAMP. Immunopharmacology, 1979, 1, 137-150.	2.0	32
104	Augmentation of the in vitro humoral immune response by pharmacologic agents. II: Comparison of the effects of antiproliferative agents with DBcAMP. Immunopharmacology, 1979, 1, 151-163.	2.0	10
105	Choline sulfatase of Pseudomonas aeruginosa. Archives of Biochemistry and Biophysics, 1972, 153, 664-672.	3.0	31