Larry W Robertson

List of Publications by Year
in descending order

110 papers	4,510 citations	81900 39 h-index	123424 61 g-index
111 all docs	111 docs citations	111 times ranked	2863 citing authors

#	Article	IF	Citations
1	PCB126 induced toxic actions on liver energy metabolism is mediated by AhR in rats. Toxicology, 2022, 466, 153054.	4.2	7
2	Transcriptome sequencing of 3,3â€²,4,4â€²,5-Pentachlorobiphenyl (PCB126)-treated human preadipocytes demonstrates progressive changes in pathways associated with inflammation and diabetes.. Toxicology in Vitro, 2022, 83, 105396.	2.4	8
3	The Aryl hydrocarbon receptor mediates reproductive toxicity of polychlorinated biphenyl congener 126 in rats. Toxicology and Applied Pharmacology, 2021, 426, 115639.	2.8	12
4	Human hepatic microsomal sulfatase catalyzes the hydrolysis of polychlorinated biphenyl sulfates: A potential mechanism for retention of hydroxylated PCBs. Environmental Toxicology and Pharmacology, 2021, 88, 103757.	4.0	4
5	PCB126 blocks the thermogenic beiging response of adipocytes. Environmental Science and Pollution Research, 2020, 27, 8897-8904.	5.3	8
6	Skeletal toxicity resulting from exposure of growing male rats to coplanar PCB 126 is associated with disruption of calcium homeostasis and the GH-IGF-1 axis and direct effects on bone formation. Archives of Toxicology, 2020, 94, 389-399.	4.2	9
7	Cardiovascular Effects of Polychlorinated Biphenyls and Their Major Metabolites. Environmental Health Perspectives, 2020, 128, 77008.	6.0	24
8	Skeletal Toxicity of Coplanar Polychlorinated Biphenyl Congener 126 in the Rat Is Aryl Hydrocarbon Receptor Dependent. Toxicological Sciences, 2020, 175, 113-125.	3.1	9
9	Tenth International PCB Workshop: 50Âyears of PCB research, new approaches and discoveries and still so much more to learn. Environmental Science and Pollution Research, 2020, 27, 8823-8825.	5.3	2
10	PCB126 Inhibits the Activation of AMPK-CREB Signal Transduction Required for Energy Sensing in Liver. Toxicological Sciences, 2018, 163, 440-453.	3.1	20
11	Hydroxylated and sulfated metabolites of commonly occurring airborne polychlorinated biphenyls inhibit human steroid sulfotransferases SULT1E1 and SULT2A1. Environmental Toxicology and Pharmacology, 2018, 58, 196-201.	4.0	21
12	Authentication of synthetic environmental contaminants and their (bio)transformation products in toxicology: polychlorinated biphenyls as an example. Environmental Science and Pollution Research, 2018, 25, 16508-16521.	5.3	22
13	Spatial distribution of metals within the liver acinus and their perturbation by PCB126. Environmental Science and Pollution Research, 2018, 25, 16427-16433.	5.3	3
14	A delayed proinflammatory response of human preadipocytes to PCB126 is dependent on the aryl hydrocarbon receptor. Environmental Science and Pollution Research, 2018, 25, 16481-16492.	5.3	19
15	Sources and toxicities of phenolic polychlorinated biphenyls (OH-PCBs). Environmental Science and Pollution Research, 2018, 25, 16277-16290.	5.3	55
16	Hydroxylated and sulfated metabolites of commonly observed airborne polychlorinated biphenyls display selective uptake and toxicity in N27, SH-SY5Y, and HepG2 cells. Environmental Toxicology and Pharmacology, 2018, 62, 69-78.	4.0	28
17	PCBs risk evaluation, environmental protection, and management: 50-year research and counting for elimination by 2028. Environmental Science and Pollution Research, 2018, 25, 16269-16276.	5.3	16
18	Hydroxylated Metabolites of Common Airborne Polychlorinated Biphenyls and Their Potential for Disrupting Estrogen Homeostasis and Adipogenesis. FASEB Journal, 2018, 32, 605.8.	0.5	0

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19	Polychlorinated biphenyls target Notch/Dll and VEGF R2 in the mouse placenta and human trophoblast cell lines for their anti-angiogenic effects. Scientific Reports, 2017, 7, 39885.	3.3	16
20	Identification of a sulfate metabolite of PCB 11 in human serum. Environment International, 2017, 98, 120-128.	10.0	35
21	Sulfation of Lower Chlorinated Polychlorinated Biphenyls Increases Their Affinity for the Major Drug-Binding Sites of Human Serum Albumin. Environmental Science & Technology, 2016, 50, 5320-5327.	10.0	40
22	Diminished Phosphorylation of CREB Is a Key Event in the Dysregulation of Gluconeogenesis and Glycogenolysis in PCB126 Hepatotoxicity. Chemical Research in Toxicology, 2016, 29, 1504-1509.	3.3	9
23	3,3â€²,4,4â€²,5-Pentachlorobiphenyl (PCB 126) Decreases Hepatic and Systemic Ratios of Epoxide to Diol Metabolites of Unsaturated Fatty Acids in Male Rats. Toxicological Sciences, 2016, 152, 309-322.	3.1	7
24	PCB126-Induced Disruption in Gluconeogenesis and Fatty Acid Oxidation Precedes Fatty Liver in Male Rats. Toxicological Sciences, 2016, 149, 98-110.	3.1	68
25	Assessment of the Mitigative Capacity of Dietary Zinc on PCB126 Hepatotoxicity and the Contribution of Zinc to Toxicity. Chemical Research in Toxicology, 2016, 29, 851-859.	3.3	2
26	Dietary Manganese Modulates PCB126 Toxicity, Metal Status, and MnSOD in the Rat. Toxicological Sciences, 2016, 150, 15-26.	3.1	7
27	Cytochrome c adducts with PCB quinoid metabolites. Environmental Science and Pollution Research, 2016, 23, 2148-2159.	5.3	9
28	Modulating inhibitors of transthyretin fibrillogenesis via sulfation: Polychlorinated biphenyl sulfates as models. Chemico-Biological Interactions, 2015, 228, 1-8.	4.0	10
29	Metabolism and metabolites of polychlorinated biphenyls. Critical Reviews in Toxicology, 2015, 45, 245-272.	3.9	321
30	Tissue Distribution, Metabolism, and Excretion of 3,3â€²-Dichloro-4â€²-sulfooxy-biphenyl in the Rat. Environmental Science & Technology, 2015, 49, 8087-8095.	10.0	38
31	PCB126 inhibits adipogenesis of human preadipocytes. Toxicology in Vitro, 2015, 29, 132-141.	2.4	48
32	Dietary antioxidants (selenium and N-acetylcysteine) modulate paraoxonase 1 (PON1) in PCB 126-exposed rats. Environmental Science and Pollution Research, 2014, 21, 6384-6399.	5.3	16
33	The effects of 3,3â€²,4,4â€²-tetrabromobiphenyl on rats fed diets containing a constant level of copper and varying levels of molybdenum. Environmental Science and Pollution Research, 2014, 21, 6400-6409.	5.3	1
34	Sustained expression of CYPs and DNA adduct accumulation with continuous exposure to PCB126 and PCB153 through a new delivery method: Polymeric implants. Toxicology Reports, 2014, 1, 820-833.	3.3	6
35	Disposition of Phenolic and Sulfated Metabolites after Inhalation Exposure to 4-Chlorobiphenyl (PCB3) in Female Rats. Chemical Research in Toxicology, 2014, 27, 1411-1420.	3.3	39
36	7th International PCB Workshop: Chemical mixtures in a complex world. Environmental Science and Pollution Research, 2014, 21, 6269-6275.	5.3	6

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37	Binding interactions of hydroxylated polychlorinated biphenyls (OHPCBs) with human hydroxysteroid sulfotransferase hSULT2A1. Chemico-Biological Interactions, 2014, 212, 56-64.	4.0	10
38	Toxicity assessment of air-delivered particle-bound polybrominated diphenyl ethers. Toxicology, 2014, 317, 31-39.	4.2	17
39	Polychlorinated biphenyls (PCBs) as initiating agents in hepatocellular carcinoma. Cancer Letters, 2013, 334, 46-55.	7.2	72
40	A New Player in Environmentally Induced Oxidative Stress: Polychlorinated Biphenyl Congener, 3,3â€²-Dichlorobiphenyl (PCB11). Toxicological Sciences, 2013, 136, 39-50.	3.1	45
41	Sulfate Conjugates Are Urinary Markers of Inhalation Exposure to 4-Chlorobiphenyl (PCB3). Chemical Research in Toxicology, 2013, 26, 853-855.	3.3	25
42	Chlorinated Biphenyl Quinones and Phenyl-2,5-benzoquinone Differentially Modify the Catalytic Activity of Human Hydroxysteroid Sulfotransferase hSULT2A1. Chemical Research in Toxicology, 2013, 26, 1474-1485.	3.3	12
43	Does Dietary Copper Supplementation Enhance or Diminish PCB126 Toxicity in the Rodent Liver?. Chemical Research in Toxicology, 2013, 26, 634-644.	3.3	16
44	Biological and Tumor-Promoting Effects of Dioxin-like and Non-Dioxin-like Polychlorinated Biphenyls in Mouse Liver After Single or Combined Treatment. Toxicological Sciences, 2013, 133, 29-41.	3.1	29
45	Sulfated Metabolites of Polychlorinated Biphenyls Are High-Affinity Ligands for the Thyroid Hormone Transport Protein Transthyretin. Environmental Health Perspectives, 2013, 121, 657-662.	6.0	92
46	Identification of Sulfated Metabolites of 4-Chlorobiphenyl (PCB3) in the Serum and Urine of Male Rats. Chemical Research in Toxicology, 2012, 25, 2796-2804.	3.3	66
47	N-acetylcysteine (NAC) diminishes the severity of PCB 126-induced fatty liver in male rodents. Toxicology, 2012, 302, 25-33.	4.2	40
48	Species difference in the regulation of cytochrome P450 2S1: lack of induction in rats by the aryl hydrocarbon receptor agonist PCB126. Xenobiotica, 2011, 41, 1031-1043.	1.1	14
49	Structureâ€“Activity Relationships for Hydroxylated Polychlorinated Biphenyls As Inhibitors of the Sulfation of Dehydroepiandrosterone Catalyzed by Human Hydroxysteroid Sulfotransferase SULT2A1. Chemical Research in Toxicology, 2011, 24, 1720-1728.	3.3	50
50	Physicochemical properties of hydroxylated polychlorinated biphenyls aid in predicting their interactions with rat sulfotransferase 1A1 (rSULT1A1). Chemico-Biological Interactions, 2011, 189, 153-160.	4.0	17
51	Crystal structure and density functional theory studies of toxic quinone metabolites of polychlorinated biphenyls. Chemosphere, 2011, 85, 386-392.	8.2	5
52	Dietary Selenium as a Modulator of PCB 126â€“Induced Hepatotoxicity in Male Sprague-Dawley Rats. Toxicological Sciences, 2011, 124, 202-214.	3.1	33
53	Polychlorinated Biphenyl (PCB) carcinogenicity with special emphasis on airborne PCBs. Gefahrstoffe Reinhaltung Der Luft, 2011, 71, 25-32.	0.1	37
54	Research Recommendations for Selected IARC-Classified Agents. Environmental Health Perspectives, 2010, 118, 1355-1362.	6.0	75

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55	Improved syntheses of non-dioxin-like polychlorinated biphenyls (PCBs) and some of their sulfur-containing metabolites. Environment International, 2010, 36, 828-834.	10.0	8
56	An efficient approach to sulfate metabolites of polychlorinated biphenyls. Environment International, 2010, 36, 843-848.	10.0	38
57	Protective effects of selenium against DNA adduct formation in Inuit environmentally exposed to PCBs. Environment International, 2010, 36, 980-986.	10.0	20
58	Acute toxicity of 3,3â€²,4,4â€²,5-pentachlorobiphenyl (PCB 126) in male Sprague–Dawley rats: Effects on hepatic oxidative stress, glutathione and metals status. Environment International, 2010, 36, 918-923.	10.0	66
59	Investigation of mechanism(s) of DNA damage induced by 4-monochlorobiphenyl (PCB3) metabolites. Environment International, 2010, 36, 950-961.	10.0	17
60	Structure-Activity Relationships for Hydroxylated Polychlorinated Biphenyls as Substrates and Inhibitors of Rat Sulfotransferases and Modification of These Relationships by Changes in Thiol Status. Drug Metabolism and Disposition, 2009, 37, 1065-1072.	3.3	41
61	Oxidation of 4-Chlorobiphenyl Metabolites to Electrophilic Species by Prostaglandin H Synthase. Chemical Research in Toxicology, 2009, 22, 64-71.	3.3	22
62	Innovative Application of Fluoro Tagging To Trace Airborne Particulate and Gas-Phase Polybrominated Diphenyl Ether Exposures. Chemical Research in Toxicology, 2009, 22, 179-186.	3.3	5
63	Enantiomeric Specificity of (â^')-2,2â€²,3,3â€²,6,6â€²-Hexachlorobiphenyl toward Ryanodine Receptor Types 1 and 2. Chemical Research in Toxicology, 2009, 22, 201-207.	3.3	77
64	Enantiomeric Enrichment of 2,2â€²,3,3â€²,6,6â€²-Hexachlorobiphenyl (PCB 136) in Mice After Induction of CYP Enzymes. Archives of Environmental Contamination and Toxicology, 2008, 55, 510-517.	4.1	23
65	Receptor interactions by polybrominated diphenyl ethers versus polychlorinated biphenyls: A theoretical structure–activity assessment. Environmental Toxicology and Pharmacology, 2008, 25, 202-210.	4.0	63
66	Role of oxidative stress in the promoting activities of PCBs. Environmental Toxicology and Pharmacology, 2008, 25, 247-250.	4.0	33
67	Metabolic activation of PCBs to carcinogens in vivoâ€”A review. Environmental Toxicology and Pharmacology, 2008, 25, 241-246.	4.0	80
68	Chlorination Increases the Persistence of Semiquinone Free Radicals Derived from Polychlorinated Biphenyl Hydroquinones and Quinones. Journal of Organic Chemistry, 2008, 73, 8296-8304.	3.2	70
69	Glucuronidation of Polychlorinated Biphenylols and UDP-Glucuronic Acid Concentrations in Channel Catfish Liver and Intestine. Drug Metabolism and Disposition, 2008, 36, 623-630.	3.3	22
70	Effect of Dietary Selenium on the Promotion of Hepatocarcinogenesis by 3,3â€², 4,4â€²-Tetrachlorobiphenyl and 2,2â€², 4,4â€², 5,5â€²-Hexachlorobiphenyl. Experimental Biology and Medicine, 2008, 233, 366-376.	2.4	17
71	Quinoid Metabolites of 4-Monochlorobiphenyl Induce Gene Mutations in Cultured Chinese Hamster V79 Cells. Toxicological Sciences, 2007, 100, 88-98.	3.1	37
72	4-Monochlorobiphenyl (PCB3) induces mutations in the livers of transgenic Fisher 344 rats. Carcinogenesis, 2007, 28, 471-478.	2.8	50

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73	Suppression of Peroxisomal Enzyme Activities and Cytochrome P450 4A Isozyme Expression by Congeneric Polybrominated and Polychlorinated Biphenyls. PPAR Research, 2007, 2007, 1-5.	2.4	10
74	Enantioselective disposition of PCB 136 (2,2â€²,3,3â€²,6,6â€²-hexachlorobiphenyl) in C57BL/6 mice after oral and intraperitoneal administration. Chirality, 2007, 19, 56-66.	2.6	63
75	Tumor promoting potency of PCBs 28 and 101 in rat liver. Toxicology Letters, 2006, 164, 133-143.	0.8	8
76	Hydroxylated Polychlorinated Biphenyls Are Substrates and Inhibitors of Human Hydroxysteroid Sulfotransferase SULT2A1. Chemical Research in Toxicology, 2006, 19, 1420-1425.	3.3	78
77	Polychlorobiphenylols are selective inhibitors of human phenol sulfotransferase 1A1 with 4-nitrophenol as a substrate. Chemico-Biological Interactions, 2006, 159, 235-246.	4.0	43
78	Polychlorinated Biphenyl Quinone Metabolites Poison Human Topoisomerase IIÎ±:Â Altering Enzyme Function by Blocking theN-Terminal Protein Gateâ€. Biochemistry, 2006, 45, 10140-10152.	2.5	57
79	Comparison of the actions of 4-chlorobiphenyl and its hydroxylated metabolites on estradiol secretion by ovarian follicles in primary cells in culture. Reproductive Toxicology, 2005, 20, 57-64.	2.9	33
80	Effects of PCB 84 enantiomers on [3H]-phorbol ester binding in rat cerebellar granule cells and 45Ca2+-uptake in rat cerebellum. Toxicology Letters, 2005, 156, 391-400.	0.8	65
81	Initiating Activity of 4-Chlorobiphenyl Metabolites in the Resistant Hepatocyte Model. Toxicological Sciences, 2004, 79, 41-46.	3.1	44
82	Toxicity of Hydroxylated and Quinoid PCB Metabolites:â€‰ Inhibition of Gap Junctional Intercellular Communication and Activation of Aryl Hydrocarbon and Estrogen Receptors in Hepatic and Mammary Cells. Chemical Research in Toxicology, 2004, 17, 340-347.	3.3	83
83	Synthesis of polychlorinated biphenyls and their metabolites with a modified Suzuki-coupling. Chemosphere, 2004, 56, 735-744.	8.2	26
84	Polychlorinated biphenyls as initiators in liver carcinogenesis: resistant hepatocyte model. Toxicology and Applied Pharmacology, 2003, 186, 55-62.	2.8	73
85	Binding of polychlorinated biphenyls/metabolites to hemoglobin. Toxicology Letters, 2003, 142, 53-60.	0.8	14
86	Glucuronidation of Hydroxylated Polychlorinated Biphenyls (PCBs). Chemical Research in Toxicology, 2002, 15, 1259-1266.	3.3	76
87	PCB-induced oxidative stress in endothelial cells: modulation by nutrients. International Journal of Hygiene and Environmental Health, 2002, 205, 95-102.	4.3	94
88	DNA adduction by polychlorinated biphenyls: adducts derived from hepatic microsomal activation and from synthetic metabolites. Chemico-Biological Interactions, 2002, 139, 129-144.	4.0	29
89	Synthesis of polychlorinated biphenyls (PCBs) using the Suzuki-coupling. Chemosphere, 2001, 45, 137-143.	8.2	64
90	Synthesis of hydroxylated PCB metabolites with the Suzuki-coupling. Chemosphere, 2001, 45, 1119-1127.	8.2	72

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91	Effects of selected polychlorinated biphenyl (PCB) congeners on hepatic glutathione, glutathione-related enzymes, and selenium status: implications for oxidative stressâ¯†1â¯†Contents reflect the views of the authors and do not represent any official view(s) of NIEHS, EPA, or DOD.1Abbreviations: PCBs, polychlorinated biphenyls; GST, glutathione transferase; GPX, glutathione peroxidase; SeGPX, selenium-dependent glutathione peroxidase; GR, glutathione reductase; MOPS, 3-{N-morpholino}propane sulfonic acid buffer. Biochemical Pharmacology, 2001, 62, 273-281.	4.4	94
92	Distribution and macromolecular binding of benzo[a]pyrene and two polychlorinated biphenyl congeners in female mice. Chemico-Biological Interactions, 2001, 137, 243-258.	4.0	30
93	Redox Cycling of 2-(xâ€²-Mono, -di, -trichlorophenyl)- 1,4-benzoquinones, Oxidation Products of Polychlorinated Biphenyls. Archives of Biochemistry and Biophysics, 2000, 376, 449-455.	3.0	59
94	Identification of Catechol and Hydroquinone Metabolites of 4-Monochlorobiphenyl. Chemical Research in Toxicology, 1996, 9, 158-164.	3.3	141
95	Detection of PCB Adducts by the 32P-Postlabeling Technique. Chemical Research in Toxicology, 1996, 9, 165-171.	3.3	68
96	Metabolic Activation of PCBs to Quinones:Â Reactivity toward Nitrogen and Sulfur Nucleophiles and Influence of Superoxide Dismutase. Chemical Research in Toxicology, 1996, 9, 623-629.	3.3	139
97	Analysis of polychlorinated biphenyl-DNA adducts by 32P-postlabeling. Carcinogenesis, 1996, 17, 109-114.	2.8	75
98	A New Strategy for the Synthesis of Polychlorinated Biphenyl Metabolites. Chemical Research in Toxicology, 1995, 8, 92-95.	3.3	53
99	Effect of the peroxisome proliferator perfluorodecanoic acid on the promotion of two-stage hepatocarcinogenesis in rats. Cancer Letters, 1993, 72, 111-120.	7.2	27
100	Differential potency of atropisomers of polychlorinated biphenyls on cytochrome P450 induction and uroporphyrin accumulation in the chick embryo hepatocyte culture. Biochemical Pharmacology, 1991, 41, 915-922.	4.4	84
101	Microbial biotransformation of retinoic acid by Cunninghamella echinulata and Cunninghamella blakesleeana. Pharmaceutical Research, 1990, 07, 270-273.	3.5	6
102	Effects of two prototypic polychlorinated biphenyls (PCBs) on lipid composition of rat liver and serum. Journal of Nutritional Biochemistry, 1990, 1, 350-354.	4.2	22
103	Critical Reviews in: Carcinogenicity of Polyhalogenated Biphenyls: PCBs and PBBs. Critical Reviews in Toxicology, 1990, 20, 440-496.	3.9	296
104	A unique approach to the synthesis of 2,3,4,5-substituted polybrominated biphenyls: quantitation in FireMaster FF-1 and FireMaster BP-6. Journal of Agricultural and Food Chemistry, 1989, 37, 1160-1164.	5.2	16
105	Effects of polychlorinated biphenyls on cytochrome P450 induction in the chick embryo hepatocyte culture. Archives of Biochemistry and Biophysics, 1989, 275, 252-262.	3.0	45
106	Laser desorption/fourier transform ion cyclotron resonance mass spectrometry: Digoxin, digitoxin, and their reduced and sugar-hydrolyzed metabolites. Biomedical & Environmental Mass Spectrometry, 1988, 15, 295-302.	1.6	14
107	Relationship between liquid and gas chromatographic retention behavior and calculated molecular surface area of selected polyhalogenated biphenyls. Journal of Agricultural and Food Chemistry, 1988, 36, 961-965.	5.2	30
108	Enantiomers of Polychlorinated Biphenyls Semipreparative Enrichment by Liquid Chromatography. Liebigs Annalen Der Chemie, 1985, 1985, 2101-2103.	0.8	21

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109	PCBs and PBBs: Biologic and toxic effects on C57BL/6J and DBA/2J inbred mice. Toxicology, 1984, 31, 191-206.	4.2	52
110	Biotransformation of cannabinoids bySyncephalastrum racemosum. Biological Mass Spectrometry, 1975, 2, 266-271.	0.5	16