

Keri C Hornbuckle

List of Publications by Year in descending order

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114
papers

6,023
citations

61984

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79698

73
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119
docs citations

119
times ranked

3864
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolism and metabolites of polychlorinated biphenyls. <i>Critical Reviews in Toxicology</i> , 2015, 45, 245-272.	3.9	321
2	Inadvertent Polychlorinated Biphenyls in Commercial Paint Pigments. <i>Environmental Science & Technology</i> , 2010, 44, 2822-2827.	10.0	296
3	Detection of Perfluorooctane Surfactants in Great Lakes Water. <i>Environmental Science & Technology</i> , 2004, 38, 4064-4070.	10.0	256
4	Evaluation of Perfluorooctane Surfactants in a Wastewater Treatment System and in a Commercial Surface Protection Product. <i>Environmental Science & Technology</i> , 2005, 39, 5524-5530.	10.0	234
5	Synthetic Musk Fragrances in Lake Michigan. <i>Environmental Science & Technology</i> , 2004, 38, 367-372.	10.0	212
6	PCBs in Lake Superior, 1978-1992: Decreases in Water Concentrations Reflect Loss by Volatilization. <i>Environmental Science & Technology</i> , 1994, 28, 903-914.	10.0	197
7	Volatilization of polychlorinated biphenyls from Green Bay, Lake Michigan. <i>Environmental Science & Technology</i> , 1993, 27, 75-87.	10.0	191
8	Seasonal Variations in Air-Water Exchange of Polychlorinated Biphenyls in Lake Superior. <i>Environmental Science & Technology</i> , 1994, 28, 1491-1501.	10.0	176
9	Discovery of Non-Aroclor PCB (3,3-dichlorobiphenyl) in Chicago Air. <i>Environmental Science & Technology</i> , 2008, 42, 7873-7877.	10.0	165
10	Inhalation and Dietary Exposure to PCBs in Urban and Rural Cohorts via Congener-Specific Measurements. <i>Environmental Science & Technology</i> , 2015, 49, 1156-1164.	10.0	155
11	Mass Budget of Perfluorooctane Surfactants in Lake Ontario. <i>Environmental Science & Technology</i> , 2005, 39, 74-79.	10.0	119
12	Cyclic siloxanes in air, including identification of high levels in Chicago and distinct diurnal variation. <i>Chemosphere</i> , 2013, 92, 905-910.	8.2	112
13	Airborne PCBs and OH-PCBs Inside and Outside Urban and Rural U.S. Schools. <i>Environmental Science & Technology</i> , 2017, 51, 7853-7860.	10.0	107
14	Over-water and over-land polychlorinated biphenyls in Green Bay, Lake Michigan. <i>Environmental Science & Technology</i> , 1993, 27, 87-98.	10.0	104
15	Dynamics of gaseous semivolatile organic compounds in a terrestrial ecosystem—effects of diurnal and seasonal climate variations. <i>Atmospheric Environment</i> , 1996, 30, 3935-3945.	4.1	104
16	Synthetic Musk Fragrances in Lake Erie and Lake Ontario Sediment Cores. <i>Environmental Science & Technology</i> , 2006, 40, 5629-5635.	10.0	99
17	Atmospheric PCB congeners across Chicago. <i>Atmospheric Environment</i> , 2010, 44, 1550-1557.	4.1	98
18	PCBs in Lake Michigan Water Revisited. <i>Environmental Science & Technology</i> , 1996, 30, 1429-1436.	10.0	97

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19	Emissions of Tetrachlorobiphenyls (PCBs 47, 51, and 68) from Polymer Resin on Kitchen Cabinets as a Non-Aroclor Source to Residential Air. <i>Environmental Science & Technology</i> , 2018, 52, 5154-5160.	10.0	84
20	Synthetic musk fragrances in urban and rural air of Iowa and the Great Lakes. <i>Atmospheric Environment</i> , 2006, 40, 6101-6111.	4.1	82
21	The effects of individual PCB congeners on the soil bacterial community structure and the abundance of biphenyl dioxygenase genes. <i>Environment International</i> , 2010, 36, 901-906.	10.0	80
22	PCBs and OH-PCBs in Serum from Children and Mothers in Urban and Rural U.S. Communities. <i>Environmental Science & Technology</i> , 2013, 47, 3353-3361.	10.0	80
23	Atrazine and Nutrients in Precipitation: Results from the Lake Michigan Mass Balance Study. <i>Environmental Science & Technology</i> , 2000, 34, 55-61.	10.0	79
24	Results from the Lake Michigan Mass Balance Study: Concentrations and Fluxes of Atmospheric Polychlorinated Biphenyls and trans-Nonachlor. <i>Environmental Science & Technology</i> , 2001, 35, 278-285.	10.0	77
25	Assessing Annual Water-Air Fluxes of Polychlorinated Biphenyls in Lake Michigan. <i>Environmental Science & Technology</i> , 1995, 29, 869-877.	10.0	73
26	External exposure and bioaccumulation of PCBs in humans living in a contaminated urban environment. <i>Environment International</i> , 2010, 36, 855-861.	10.0	70
27	Gas-Phase Concentrations of Current-Use Pesticides in Iowa. <i>Environmental Science & Technology</i> , 2005, 39, 2952-2959.	10.0	67
28	Chicago's Sanitary and Ship Canal sediment: Polycyclic aromatic hydrocarbons, polychlorinated biphenyls, brominated flame retardants, and organophosphate esters. <i>Chemosphere</i> , 2015, 134, 380-386.	8.2	67
29	Polychlorinated Biphenyls in Food. <i>Environmental Science & Technology</i> , 2020, 54, 11443-11452.	10.0	66
30	Enantioselective disposition of PCB 136 (2,2,3,3,6,6-hexachlorobiphenyl) in C57BL/6 mice after oral and intraperitoneal administration. <i>Chirality</i> , 2007, 19, 56-66.	2.6	63
31	Milwaukee, WI, as a Source of Atmospheric PCBs to Lake Michigan. <i>Environmental Science & Technology</i> , 2005, 39, 57-63.	10.0	62
32	Human Serum from Urban and Rural Adolescents and Their Mothers Shows Exposure to Polychlorinated Biphenyls Not Found in Commercial Mixtures. <i>Environmental Science & Technology</i> , 2015, 49, 8105-8112.	10.0	62
33	Sedimentary records of non-Aroclor and Aroclor PCB mixtures in the Great Lakes. <i>Journal of Great Lakes Research</i> , 2011, 37, 359-364.	1.9	60
34	Calculation of passive sampling rates from both native PCBs and deuration compounds in indoor and outdoor environments. <i>Chemosphere</i> , 2009, 74, 917-923.	8.2	58
35	Polychlorinated biphenyls in the surficial sediment of Indiana Harbor and Ship Canal, Lake Michigan. <i>Environment International</i> , 2010, 36, 849-854.	10.0	57
36	Calibration and evaluation of PUF-PAS sampling rates across the Global Atmospheric Passive Sampling (GAPS) network. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 210-219.	3.5	56

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37	Polychlorinated Biphenyls (PCBs): Sources, Exposures, Toxicities. <i>Environmental Science & Technology</i> , 2010, 44, 2749-2751.	10.0	55
38	Toxicity of Synthetic Musks to Early Life Stages of the Freshwater Mussel <i>Lampsilis cardium</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 2006, 51, 549-558.	4.1	54
39	Spatial distribution of chlordanes and PCB congeners in soil in Cedar Rapids, Iowa, USA. <i>Environmental Pollution</i> , 2012, 161, 222-228.	7.5	53
40	PCB Emissions from Paint Colorants. <i>Environmental Science & Technology</i> , 2019, 53, 5187-5194.	10.0	53
41	Fate of PCB Congeners in an Industrial Harbor of Lake Michigan. <i>Environmental Science & Technology</i> , 2010, 44, 2803-2808.	10.0	51
42	A Model Using Local Weather Data to Determine the Effective Sampling Volume for PCB Congeners Collected on Passive Air Samplers. <i>Environmental Science & Technology</i> , 2016, 50, 6690-6697.	10.0	50
43	Spatial Distribution of Airborne Polychlorinated Biphenyls in Cleveland, Ohio and Chicago, Illinois. <i>Environmental Science & Technology</i> , 2010, 44, 2797-2802.	10.0	49
44	A New Player in Environmentally Induced Oxidative Stress: Polychlorinated Biphenyl Congener, 3,3'-Dichlorobiphenyl (PCB11). <i>Toxicological Sciences</i> , 2013, 136, 39-50.	3.1	45
45	Regional Spatial and Temporal Interpolation of Atmospheric PCBs: Interpretation of Lake Michigan Mass Balance Data. <i>Environmental Science & Technology</i> , 2000, 34, 1833-1841.	10.0	44
46	Simultaneous extraction and clean-up of polychlorinated biphenyls and their metabolites from small tissue samples using pressurized liquid extraction. <i>Journal of Chromatography A</i> , 2008, 1214, 37-46.	3.7	44
47	Variability in PCB and OH-PCB Serum Levels in Children and Their Mothers in Urban and Rural U.S. Communities. <i>Environmental Science & Technology</i> , 2014, 48, 13459-13467.	10.0	42
48	Inventory of PCBs in Chicago and Opportunities for Reduction in Airborne Emissions and Human Exposure. <i>Environmental Science & Technology</i> , 2015, 49, 13878-13888.	10.0	41
49	Discovery of Hydroxylated Polychlorinated Biphenyls (OH-PCBs) in Sediment from a Lake Michigan Waterway and Original Commercial Aroclors. <i>Environmental Science & Technology</i> , 2013, 47, 8204-8210.	10.0	40
50	Congener-Specific Tissue Distribution of Aroclor 1254 and a Highly Chlorinated Environmental PCB Mixture in Rats. <i>Environmental Science & Technology</i> , 2005, 39, 3513-3520.	10.0	38
51	Release of Airborne Polychlorinated Biphenyls from New Bedford Harbor Results in Elevated Concentrations in the Surrounding Air. <i>Environmental Science and Technology Letters</i> , 2017, 4, 127-131.	8.7	38
52	Time Course of Congener Uptake and Elimination in Rats after Short-Term Inhalation Exposure to an Airborne Polychlorinated Biphenyl (PCB) Mixture. <i>Environmental Science & Technology</i> , 2010, 44, 6893-6900.	10.0	37
53	Variations of Flame Retardant, Polycyclic Aromatic Hydrocarbon, and Pesticide Concentrations in Chicago's Atmosphere Measured using Passive Sampling. <i>Environmental Science & Technology</i> , 2015, 49, 5371-5379.	10.0	36
54	Identification of a sulfate metabolite of PCB 11 in human serum. <i>Environment International</i> , 2017, 98, 120-128.	10.0	35

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55	Tracking POPs in Global Air from the First 10 Years of the GAPS Network (2005 to 2014). <i>Environmental Science & Technology</i> , 2021, 55, 9479-9488.	10.0	34
56	Polychlorinated Biphenyls in the Great Lakes. , 0 , 13-70.		33
57	Synthetic Musk Fragrances in a Conventional Drinking Water Treatment Plant with Lime Softening. <i>Journal of Environmental Engineering, ASCE</i> , 2009, 135, 1192-1198.	1.4	33
58	Subchronic Inhalation Exposure Study of an Airborne Polychlorinated Biphenyl Mixture Resembling the Chicago Ambient Air Congener Profile. <i>Environmental Science & Technology</i> , 2012, 46, 9653-9662.	10.0	32
59	DOSE-DEPENDENT ENANTIOMERIC ENRICHMENT OF 2,2,3,3,6,6-HEXACHLOROBIPHENYL IN FEMALE MICE. <i>Environmental Toxicology and Chemistry</i> , 2008, 27, 299.	4.3	31
60	Influence of dietary fat on the enantioselective disposition of 2,2,3,3,6,6-hexachlorobiphenyl (PCB 136) in female mice. <i>Food and Chemical Toxicology</i> , 2008, 46, 637-644.	3.6	31
61	Potential for polychlorinated biphenyl biodegradation in sediments from Indiana Harbor and Ship Canal. <i>International Biodeterioration and Biodegradation</i> , 2014, 89, 50-57.	3.9	30
62	Distribution of Chiral PCBs in Selected Tissues in the Laboratory Rat. <i>Environmental Science & Technology</i> , 2006, 40, 3704-3710.	10.0	29
63	Record of PCB congeners, sorbents and potential toxicity in core samples in Indiana Harbor and Ship Canal. <i>Chemosphere</i> , 2011, 85, 542-547.	8.2	29
64	Development of a synthetic PCB mixture resembling the average polychlorinated biphenyl profile in Chicago air. <i>Environment International</i> , 2010, 36, 819-827.	10.0	27
65	PCB dechlorination hotspots and reductive dehalogenase genes in sediments from a contaminated wastewater lagoon. <i>Environmental Science and Pollution Research</i> , 2018, 25, 16376-16388.	5.3	27
66	Serum polychlorinated biphenyls and their hydroxylated metabolites are associated with demographic and behavioral factors in children and mothers. <i>Environment International</i> , 2016, 94, 538-545.	10.0	25
67	Toward Identifying the Next Generation of Superfund and Hazardous Waste Site Contaminants. <i>Environmental Health Perspectives</i> , 2011, 119, 6-10.	6.0	24
68	Enantiomeric Enrichment of 2,2,3,3,6,6-Hexachlorobiphenyl (PCB 136) in Mice After Induction of CYP Enzymes. <i>Archives of Environmental Contamination and Toxicology</i> , 2008, 55, 510-517.	4.1	23
69	The Effect of a Large Resuspension Event in Southern Lake Michigan on the Short-term Cycling of Organic Contaminants. <i>Journal of Great Lakes Research</i> , 2002, 28, 338-351.	1.9	22
70	Occurrence and Distribution of Two Hydroxylated Polychlorinated Biphenyl Congeners in Chicago Air. <i>Environmental Science and Technology Letters</i> , 2016, 3, 47-51.	8.7	22
71	Detection and Quantification of Polychlorinated Biphenyl Sulfates in Human Serum. <i>Environmental Science & Technology</i> , 2021, 55, 2473-2481.	10.0	22
72	The Impact of an Urban-Industrial Region on the Magnitude and Variability of Persistent Organic Pollutant Deposition to Lake Michigan. <i>Ambio</i> , 2003, 32, 406-411.	5.5	20

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73	Sediment pore water distribution coefficients of PCB congeners in enriched black carbon sediment. <i>Environmental Pollution</i> , 2013, 182, 357-363.	7.5	20
74	Hydroxylated polychlorinated biphenyls in human sera from adolescents and their mothers living in two U.S. Midwestern communities. <i>Chemosphere</i> , 2016, 147, 389-395.	8.2	20
75	Concentrated Animal Feeding Operations, Row Crops, and Their Relationship to Nitrate in Eastern Iowa Rivers. <i>Environmental Science & Technology</i> , 2006, 40, 3168-3173.	10.0	19
76	Aquatic Processes and Systems in Perspective Environmental sources, occurrence, and effects of synthetic musk fragrances. <i>Journal of Environmental Monitoring</i> , 2006, 8, 874.	2.1	18
77	Comprehensive Subchronic Inhalation Toxicity Assessment of an Indoor School Air Mixture of PCBs. <i>Environmental Science & Technology</i> , 2020, 54, 15976-15985.	10.0	18
78	Biodegradation of PCB congeners by <i>Paraburkholderia xenovorans</i> LB400 in presence and absence of sediment during lab bioreactor experiments. <i>Environmental Pollution</i> , 2021, 271, 116364.	7.5	18
79	Room-to-Room Variability of Airborne Polychlorinated Biphenyls in Schools and the Application of Air Sampling for Targeted Source Evaluation. <i>Environmental Science & Technology</i> , 2021, 55, 9460-9468.	10.0	18
80	Simulating and Explaining Passive Air Sampling Rates for Semivolatile Compounds on Polyurethane Foam Passive Samplers. <i>Environmental Science & Technology</i> , 2013, 47, 130725075115008.	10.0	17
81	The emerging contaminant 3,3'-dichlorobiphenyl (PCB-11) impedes Ahr activation and Cyp1a activity to modify embryotoxicity of Ahr ligands in the zebrafish embryo model (<i>Danio rerio</i>). <i>Environmental Pollution</i> , 2019, 254, 113027.	7.5	17
82	Uptake of Polycyclic Aromatic Hydrocarbons (PAHS) by Broad Leaves: Analysis of Kinetic Limitations. <i>Water, Air and Soil Pollution</i> , 2001, 1, 275-283.	0.8	16
83	Assessment of Polychlorinated Biphenyls and Their Hydroxylated Metabolites in Postmortem Human Brain Samples: Age and Brain Region Differences. <i>Environmental Science & Technology</i> , 2022, 56, 9515-9526.	10.0	16
84	Atmospheric dispersion of PCB from a contaminated Lake Michigan harbor. <i>Atmospheric Environment</i> , 2015, 122, 791-798.	4.1	15
85	Determination of PCB fluxes from Indiana Harbor and Ship Canal using dual-deployed air and water passive samplers. <i>Environmental Pollution</i> , 2019, 244, 469-476.	7.5	15
86	Hydroxylated Polychlorinated Biphenyls Are Emerging Legacy Pollutants in Contaminated Sediments. <i>Environmental Science & Technology</i> , 2022, 56, 2269-2278.	10.0	14
87	Magnitude and origin of polychlorinated biphenyl (PCB) and dichlorodiphenyltrichloroethane (DDT) compounds resuspended in southern Lake Michigan. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	13
88	Corrections to PCBs and OH-PCBs in Serum from Children and Mothers in Urban and Rural U.S. Communities. <i>Environmental Science & Technology</i> , 2013, 47, 9555-9556.	10.0	13
89	Polychlorinated biphenyl congeners in sediment cores from the Upper Mississippi River. <i>Chemosphere</i> , 2016, 144, 1943-1949.	8.2	13
90	Toxicity Assessment of 91-Day Repeated Inhalation Exposure to an Indoor School Air Mixture of PCBs. <i>Environmental Science & Technology</i> , 2022, 56, 1780-1790.	10.0	13

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91	Air-water PCB fluxes from southwestern Lake Michigan revisited. <i>Environmental Science and Pollution Research</i> , 2020, 27, 8826-8834.	5.3	12
92	The Global Legacy of POPs: Special Issue. <i>Environmental Science & Technology</i> , 2021, 55, 9397-9399.	10.0	12
93	Human health risks due to airborne polychlorinated biphenyls are highest in New Bedford Harbor communities living closest to the harbor. <i>Science of the Total Environment</i> , 2020, 710, 135576.	8.0	11
94	Effects of room airflow on accurate determination of PUF-PAS sampling rates in the indoor environment. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 757-766.	3.5	10
95	Why Was My Paper Rejected without Review?. <i>Environmental Science & Technology</i> , 2020, 54, 11641-11644.	10.0	10
96	Distinguishing Aroclor and non-Aroclor sources to Chicago Air. <i>Science of the Total Environment</i> , 2022, 823, 153263.	8.0	9
97	PCB Sulfates in Serum from Mothers and Children in Urban and Rural U.S. Communities. <i>Environmental Science & Technology</i> , 2022, 56, 6537-6547.	10.0	9
98	Spatial and temporal variations of persistent organic pollutants impacted by episodic sediment resuspension in southern Lake Michigan. <i>Journal of Great Lakes Research</i> , 2010, 36, 256-266.	1.9	8
99	Community reporting of ambient air polychlorinated biphenyl concentrations near a Superfund site. <i>Environmental Science and Pollution Research</i> , 2018, 25, 16389-16400.	5.3	8
100	Interconversion between methoxylated, hydroxylated and sulfated metabolites of PCB 3 in whole poplar plants. <i>Science of the Total Environment</i> , 2021, 785, 147341.	8.0	8
101	Mass budget of perfluorooctane surfactants in Lake Ontario. <i>Environmental Science & Technology</i> , 2005, 39, 74-9.	10.0	7
102	A semi-target analytical method for quantification of OH-PCBs in environmental samples. <i>Environmental Science and Pollution Research</i> , 2020, 27, 8859-8871.	5.3	6
103	Use of a Climate-Controlled Chamber to Investigate the Fate of Gas-Phase Anthracene. <i>Water, Air, and Soil Pollution</i> , 2003, 145, 17-34.	2.4	5
104	Intracity occurrence and distribution of airborne PCB congeners in Chicago. <i>Science of the Total Environment</i> , 2022, 812, 151505.	8.0	4
105	Reply to Comment. <i>Environmental Science & Technology</i> , 1995, 29, 848-848.	10.0	3
106	Response to Comment on "Detection of Perfluorooctane Surfactants in Great Lakes Water" and "Mass Budget of Perfluorooctane Surfactants in Lake Ontario". <i>Environmental Science & Technology</i> , 2005, 39, 3885-3886.	10.0	2
107	Signal Processing Methods to Interpret Polychlorinated Biphenyls in Airborne Samples. <i>IEEE Access</i> , 2020, 8, 147738-147755.	4.2	2
108	Dataset describing biodegradation of individual polychlorinated biphenyl congeners (PCBs) by <i>Paraburkholderia xenovorans</i> LB400 in presence and absence of sediment slurry. <i>Data in Brief</i> , 2021, 35, 106821.	1.0	2

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109	Microbial communities in polychlorinated biphenyl (PCB)-contaminated wastewater lagoon sediments: PCB congener, quantitative PCR, and 16S rRNA gene amplicon sequencing datasets. <i>Data in Brief</i> , 2021, 39, 107546.	1.0	2
110	Response to Comment on "The Effect of a Large Resuspension Event in Southern Lake Michigan on Short-term Cycling of Organic Contaminants" (J. Great Lakes Res. 28 (3): 338-351). <i>Journal of Great Lakes Research</i> , 2003, 29, 368-369.	1.9	0
111	Uptake of Polycyclic Aromatic Hydrocarbons (PAHs) by Broad Leaves: Analysis of Kinetic Limitations. , 2001, , 275-283.		0
112	ACS Environmental Au "Your Open Access Journal for Premier Environmental Research. ACS Environmental Au, 2021, 1, 1-3.	7.0	0
113	Environmental Engineers Addressing the Grand Challenges of the 21st Century. ACS Environmental Au, 2022, 2, 176-177.	7.0	0
114	Response to Letter to the Editor "Distinguishing Aroclor and non-Aroclor sources to Chicago Air" Science of the Total Environment, 2022, , 157404.	8.0	0