

# Keri C Hornbuckle

## List of Publications by Year in descending order

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114  
papers

6,023  
citations

71004

43  
h-index

90395

73  
g-index

119  
all docs

119  
docs citations

119  
times ranked

4280  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intracity occurrence and distribution of airborne PCB congeners in Chicago. <i>Science of the Total Environment</i> , 2022, 812, 151505.	3.9	4
2	Toxicity Assessment of 91-Day Repeated Inhalation Exposure to an Indoor School Air Mixture of PCBs. <i>Environmental Science &amp; Technology</i> , 2022, 56, 1780-1790.	4.6	13
3	Distinguishing Aroclor and non-Aroclor sources to Chicago Air. <i>Science of the Total Environment</i> , 2022, 823, 153263.	3.9	9
4	Hydroxylated Polychlorinated Biphenyls Are Emerging Legacy Pollutants in Contaminated Sediments. <i>Environmental Science &amp; Technology</i> , 2022, 56, 2269-2278.	4.6	14
5	PCB Sulfates in Serum from Mothers and Children in Urban and Rural U.S. Communities. <i>Environmental Science &amp; Technology</i> , 2022, 56, 6537-6547.	4.6	9
6	Environmental Engineers Addressing the Grand Challenges of the 21st Century. <i>ACS Environmental Au</i> , 2022, 2, 176-177.	3.3	0
7	Assessment of Polychlorinated Biphenyls and Their Hydroxylated Metabolites in Postmortem Human Brain Samples: Age and Brain Region Differences. <i>Environmental Science &amp; Technology</i> , 2022, 56, 9515-9526.	4.6	16
8	Response to Letter to the Editor "Distinguishing Aroclor and non-Aroclor sources to Chicago Air". <i>Science of the Total Environment</i> , 2022, , 157404.	3.9	0
9	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.	3.7	18
10	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.	0.5	2
11	Room-to-Room Variability of Airborne Polychlorinated Biphenyls in Schools and the Application of Air Sampling for Targeted Source Evaluation. <i>Environmental Science &amp; Technology</i> , 2021, 55, 9460-9468.	4.6	18
12	The Global Legacy of POPs: Special Issue. <i>Environmental Science &amp; Technology</i> , 2021, 55, 9397-9399.	4.6	12
13	Tracking POPs in Global Air from the First 10 Years of the GAPS Network (2005 to 2014). <i>Environmental Science &amp; Technology</i> , 2021, 55, 9479-9488.	4.6	34
14	Interconversion between methoxylated, hydroxylated and sulfated metabolites of PCB 3 in whole poplar plants. <i>Science of the Total Environment</i> , 2021, 785, 147341.	3.9	8
15	Detection and Quantification of Polychlorinated Biphenyl Sulfates in Human Serum. <i>Environmental Science &amp; Technology</i> , 2021, 55, 2473-2481.	4.6	22
16	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.	0.5	2
17	ACS Environmental Au "Your Open Access Journal for Premier Environmental Research. <i>ACS Environmental Au</i> , 2021, 1, 1-3.	3.3	0
18	Air-water PCB fluxes from southwestern Lake Michigan revisited. <i>Environmental Science and Pollution Research</i> , 2020, 27, 8826-8834.	2.7	12

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19	A semi-target analytical method for quantification of OH-PCBs in environmental samples. <i>Environmental Science and Pollution Research</i> , 2020, 27, 8859-8871.	2.7	6
20	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.	3.9	11
21	Signal Processing Methods to Interpret Polychlorinated Biphenyls in Airborne Samples. <i>IEEE Access</i> , 2020, 8, 147738-147755.	2.6	2
22	Why Was My Paper Rejected without Review?. <i>Environmental Science &amp; Technology</i> , 2020, 54, 11641-11644.	4.6	10
23	Polychlorinated Biphenyls in Food. <i>Environmental Science &amp; Technology</i> , 2020, 54, 11443-11452.	4.6	66
24	Comprehensive Subchronic Inhalation Toxicity Assessment of an Indoor School Air Mixture of PCBs. <i>Environmental Science &amp; Technology</i> , 2020, 54, 15976-15985.	4.6	18
25	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.	3.7	17
26	PCB Emissions from Paint Colorants. <i>Environmental Science &amp; Technology</i> , 2019, 53, 5187-5194.	4.6	53
27	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.	3.7	15
28	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 &amp; Technology</i> , 2018, 52, 5154-5160.	4.6	84
29	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.	1.7	10
30	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.	1.7	56
31	Community reporting of ambient air polychlorinated biphenyl concentrations near a Superfund site. <i>Environmental Science and Pollution Research</i> , 2018, 25, 16389-16400.	2.7	8
32	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.	2.7	27
33	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.	3.9	38
34	Airborne PCBs and OH-PCBs Inside and Outside Urban and Rural U.S. Schools. <i>Environmental Science &amp; Technology</i> , 2017, 51, 7853-7860.	4.6	107
35	Identification of a sulfate metabolite of PCB 11 in human serum. <i>Environment International</i> , 2017, 98, 120-128.	4.8	35
36	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.	4.2	20

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37	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.	4.8	25
38	Polychlorinated biphenyl congeners in sediment cores from the Upper Mississippi River. <i>Chemosphere</i> , 2016, 144, 1943-1949.	4.2	13
39	A Model Using Local Weather Data to Determine the Effective Sampling Volume for PCB Congeners Collected on Passive Air Samplers. <i>Environmental Science &amp; Technology</i> , 2016, 50, 6690-6697.	4.6	50
40	Occurrence and Distribution of Two Hydroxylated Polychlorinated Biphenyl Congeners in Chicago Air. <i>Environmental Science and Technology Letters</i> , 2016, 3, 47-51.	3.9	22
41	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.	4.2	67
42	Atmospheric dispersion of PCB from a contaminated Lake Michigan harbor. <i>Atmospheric Environment</i> , 2015, 122, 791-798.	1.9	15
43	Inhalation and Dietary Exposure to PCBs in Urban and Rural Cohorts via Congener-Specific Measurements. <i>Environmental Science &amp; Technology</i> , 2015, 49, 1156-1164.	4.6	155
44	Metabolism and metabolites of polychlorinated biphenyls. <i>Critical Reviews in Toxicology</i> , 2015, 45, 245-272.	1.9	321
45	Human Serum from Urban and Rural Adolescents and Their Mothers Shows Exposure to Polychlorinated Biphenyls Not Found in Commercial Mixtures. <i>Environmental Science &amp; Technology</i> , 2015, 49, 8105-8112.	4.6	62
46	Variations of Flame Retardant, Polycyclic Aromatic Hydrocarbon, and Pesticide Concentrations in Chicago's Atmosphere Measured using Passive Sampling. <i>Environmental Science &amp; Technology</i> , 2015, 49, 5371-5379.	4.6	36
47	Inventory of PCBs in Chicago and Opportunities for Reduction in Airborne Emissions and Human Exposure. <i>Environmental Science &amp; Technology</i> , 2015, 49, 13878-13888.	4.6	41
48	Variability in PCB and OH-PCB Serum Levels in Children and Their Mothers in Urban and Rural U.S. Communities. <i>Environmental Science &amp; Technology</i> , 2014, 48, 13459-13467.	4.6	42
49	Potential for polychlorinated biphenyl biodegradation in sediments from Indiana Harbor and Ship Canal. <i>International Biodeterioration and Biodegradation</i> , 2014, 89, 50-57.	1.9	30
50	Simulating and Explaining Passive Air Sampling Rates for Semivolatile Compounds on Polyurethane Foam Passive Samplers. <i>Environmental Science &amp; Technology</i> , 2013, 47, 130725075115008.	4.6	17
51	A New Player in Environmentally Induced Oxidative Stress: Polychlorinated Biphenyl Congener, 3,3'-Dichlorobiphenyl (PCB11). <i>Toxicological Sciences</i> , 2013, 136, 39-50.	1.4	45
52	Sediment pore water distribution coefficients of PCB congeners in enriched black carbon sediment. <i>Environmental Pollution</i> , 2013, 182, 357-363.	3.7	20
53	Cyclic siloxanes in air, including identification of high levels in Chicago and distinct diurnal variation. <i>Chemosphere</i> , 2013, 92, 905-910.	4.2	112
54	Corrections to PCBs and OH-PCBs in Serum from Children and Mothers in Urban and Rural U.S. Communities. <i>Environmental Science &amp; Technology</i> , 2013, 47, 9555-9556.	4.6	13

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55	Discovery of Hydroxylated Polychlorinated Biphenyls (OH-PCBs) in Sediment from a Lake Michigan Waterway and Original Commercial Aroclors. <i>Environmental Science &amp; Technology</i> , 2013, 47, 8204-8210.	4.6	40
56	PCBs and OH-PCBs in Serum from Children and Mothers in Urban and Rural U.S. Communities. <i>Environmental Science &amp; Technology</i> , 2013, 47, 3353-3361.	4.6	80
57	Subchronic Inhalation Exposure Study of an Airborne Polychlorinated Biphenyl Mixture Resembling the Chicago Ambient Air Congener Profile. <i>Environmental Science &amp; Technology</i> , 2012, 46, 9653-9662.	4.6	32
58	Spatial distribution of chlordanes and PCB congeners in soil in Cedar Rapids, Iowa, USA. <i>Environmental Pollution</i> , 2012, 161, 222-228.	3.7	53
59	Sedimentary records of non-Aroclor and Aroclor PCB mixtures in the Great Lakes. <i>Journal of Great Lakes Research</i> , 2011, 37, 359-364.	0.8	60
60	Toward Identifying the Next Generation of Superfund and Hazardous Waste Site Contaminants. <i>Environmental Health Perspectives</i> , 2011, 119, 6-10.	2.8	24
61	Record of PCB congeners, sorbents and potential toxicity in core samples in Indiana Harbor and Ship Canal. <i>Chemosphere</i> , 2011, 85, 542-547.	4.2	29
62	Atmospheric PCB congeners across Chicago. <i>Atmospheric Environment</i> , 2010, 44, 1550-1557.	1.9	98
63	Polychlorinated Biphenyls (PCBs): Sources, Exposures, Toxicities. <i>Environmental Science &amp; Technology</i> , 2010, 44, 2749-2751.	4.6	55
64	Fate of PCB Congeners in an Industrial Harbor of Lake Michigan. <i>Environmental Science &amp; Technology</i> , 2010, 44, 2803-2808.	4.6	51
65	Time Course of Congener Uptake and Elimination in Rats after Short-Term Inhalation Exposure to an Airborne Polychlorinated Biphenyl (PCB) Mixture. <i>Environmental Science &amp; Technology</i> , 2010, 44, 6893-6900.	4.6	37
66	Inadvertent Polychlorinated Biphenyls in Commercial Paint Pigments. <i>Environmental Science &amp; Technology</i> , 2010, 44, 2822-2827.	4.6	296
67	Spatial Distribution of Airborne Polychlorinated Biphenyls in Cleveland, Ohio and Chicago, Illinois. <i>Environmental Science &amp; Technology</i> , 2010, 44, 2797-2802.	4.6	49
68	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.	0.8	8
69	Polychlorinated biphenyls in the surficial sediment of Indiana Harbor and Ship Canal, Lake Michigan. <i>Environment International</i> , 2010, 36, 849-854.	4.8	57
70	Development of a synthetic PCB mixture resembling the average polychlorinated biphenyl profile in Chicago air. <i>Environment International</i> , 2010, 36, 819-827.	4.8	27
71	External exposure and bioaccumulation of PCBs in humans living in a contaminated urban environment. <i>Environment International</i> , 2010, 36, 855-861.	4.8	70
72	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.	4.8	80

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73	Synthetic Musk Fragrances in a Conventional Drinking Water Treatment Plant with Lime Softening. <i>Journal of Environmental Engineering, ASCE</i> , 2009, 135, 1192-1198.	0.7	33
74	Calculation of passive sampling rates from both native PCBs and depuration compounds in indoor and outdoor environments. <i>Chemosphere</i> , 2009, 74, 917-923.	4.2	58
75	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.	2.1	23
76	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.	1.8	44
77	DOSE-DEPENDENT ENANTIOMERIC ENRICHMENT OF 2,2,3,3,6,6-HEXACHLOROBIPHENYL IN FEMALE MICE. <i>Environmental Toxicology and Chemistry</i> , 2008, 27, 299.	2.2	31
78	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.	1.8	31
79	Discovery of Non-Aroclor PCB (3,3-Dichlorobiphenyl) in Chicago Air. <i>Environmental Science &amp; Technology</i> , 2008, 42, 7873-7877.	4.6	165
80	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.	1.3	63
81	Concentrated Animal Feeding Operations, Row Crops, and Their Relationship to Nitrate in Eastern Iowa Rivers. <i>Environmental Science &amp; Technology</i> , 2006, 40, 3168-3173.	4.6	19
82	Synthetic Musk Fragrances in Lake Erie and Lake Ontario Sediment Cores. <i>Environmental Science &amp; Technology</i> , 2006, 40, 5629-5635.	4.6	99
83	Distribution of Chiral PCBs in Selected Tissues in the Laboratory Rat. <i>Environmental Science &amp; Technology</i> , 2006, 40, 3704-3710.	4.6	29
84	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.	2.1	54
85	Synthetic musk fragrances in urban and rural air of Iowa and the Great Lakes. <i>Atmospheric Environment</i> , 2006, 40, 6101-6111.	1.9	82
86	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
87	Mass Budget of Perfluorooctane Surfactants in Lake Ontario. <i>Environmental Science &amp; Technology</i> , 2005, 39, 74-79.	4.6	119
88	Response to Comment on "Detection of Perfluorooctane Surfactants in Great Lakes Water" and "Mass Budget of Perfluorooctane Surfactants in Lake Ontario". <i>Environmental Science &amp; Technology</i> , 2005, 39, 3885-3886.	4.6	2
89	Milwaukee, WI, as a Source of Atmospheric PCBs to Lake Michigan. <i>Environmental Science &amp; Technology</i> , 2005, 39, 57-63.	4.6	62
90	Congener-Specific Tissue Distribution of Aroclor 1254 and a Highly Chlorinated Environmental PCB Mixture in Rats. <i>Environmental Science &amp; Technology</i> , 2005, 39, 3513-3520.	4.6	38

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91	Evaluation of Perfluorooctane Surfactants in a Wastewater Treatment System and in a Commercial Surface Protection Product. <i>Environmental Science &amp; Technology</i> , 2005, 39, 5524-5530.	4.6	234
92	Gas-Phase Concentrations of Current-Use Pesticides in Iowa. <i>Environmental Science &amp; Technology</i> , 2005, 39, 2952-2959.	4.6	67
93	Mass budget of perfluorooctane surfactants in Lake Ontario. <i>Environmental Science &amp; Technology</i> , 2005, 39, 74-9.	4.6	7
94	Detection of Perfluorooctane Surfactants in Great Lakes Water. <i>Environmental Science &amp; Technology</i> , 2004, 38, 4064-4070.	4.6	256
95	Synthetic Musk Fragrances in Lake Michigan. <i>Environmental Science &amp; Technology</i> , 2004, 38, 367-372.	4.6	212
96	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
97	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.	1.1	5
98	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.	0.8	0
99	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.	2.8	20
100	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.	0.8	22
101	Results from the Lake Michigan Mass Balance Study: Concentrations and Fluxes of Atmospheric Polychlorinated Biphenyls and trans-Nonachlor. <i>Environmental Science &amp; Technology</i> , 2001, 35, 278-285.	4.6	77
102	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
103	Uptake of Polycyclic Aromatic Hydrocarbons (PAHs) by Broad Leaves: Analysis of Kinetic Limitations. , 2001, , 275-283.		0
104	Atrazine and Nutrients in Precipitation: Results from the Lake Michigan Mass Balance Study. <i>Environmental Science &amp; Technology</i> , 2000, 34, 55-61.	4.6	79
105	Regional Spatial and Temporal Interpolation of Atmospheric PCBs: Interpretation of Lake Michigan Mass Balance Data. <i>Environmental Science &amp; Technology</i> , 2000, 34, 1833-1841.	4.6	44
106	PCBs in Lake Michigan Water Revisited. <i>Environmental Science &amp; Technology</i> , 1996, 30, 1429-1436.	4.6	97
107	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.	1.9	104
108	Reply to Comment. <i>Environmental Science &amp; Technology</i> , 1995, 29, 848-848.	4.6	3

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109	Assessing Annual Water-Air Fluxes of Polychlorinated Biphenyls in Lake Michigan. Environmental Science & Technology, 1995, 29, 869-877.	4.6	73
110	PCBs in Lake Superior, 1978-1992: Decreases in Water Concentrations Reflect Loss by Volatilization. Environmental Science & Technology, 1994, 28, 903-914.	4.6	197
111	Seasonal Variations in Air-Water Exchange of Polychlorinated Biphenyls in Lake Superior. Environmental Science & Technology, 1994, 28, 1491-1501.	4.6	176
112	Over-water and over-land polychlorinated biphenyls in Green Bay, Lake Michigan. Environmental Science & Technology, 1993, 27, 87-98.	4.6	104
113	Volatilization of polychlorinated biphenyls from Green Bay, Lake Michigan. Environmental Science & Technology, 1993, 27, 75-87.	4.6	191
114	Polychlorinated Biphenyls in the Great Lakes. , 0, , 13-70.		33