Andrew J Sweetman

List of Publications by Year
in descending order

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116 papers	8,833 citations	57758 44 h-index	42399 92 g-index
116 all docs	116 docs citations	116 times ranked	8013 citing authors

#	Article	IF	Citations
1	A First Global Production, Emission, And Environmental Inventory For Perfluorooctane Sulfonate. Environmental Science & Technology, 2009, 43, 386-392.	10.0	839
2	Impacts of soil and water pollution on food safety and health risks in China. Environment International, 2015, 77, 5-15.	10.0	804
3	Passive Air Sampling of PCBs, PBDEs, and Organochlorine Pesticides Across Europe. Environmental Science & Technology, 2004, 38, 34-41.	10.0	497
4	Towards a global historical emission inventory for selected PCB congeners â€" A mass balance approach. Science of the Total Environment, 2007, 377, 296-307.	8.0	420
5	Hexachlorobenzene in the global environment: Emissions, levels, distribution, trends and processes. Science of the Total Environment, 2005, 349, 1-44.	8.0	369
6	Passive Air Sampling of Polychlorinated Biphenyls, Organochlorine Compounds, and Polybrominated Diphenyl Ethers Across Asia. Environmental Science & Technology, 2005, 39, 8638-8645.	10.0	306
7	PAH Molecular Diagnostic Ratios Applied to Atmospheric Sources: A Critical Evaluation Using Two Decades of Source Inventory and Air Concentration Data from the UK. Environmental Science & Technology, 2011, 45, 8897-8906.	10.0	294
8	Industrial source identification and emission estimation of perfluorooctane sulfonate in China. Environment International, 2013, 52, 1-8.	10.0	275
9	Occurrence and risk assessment of organophosphorus and brominated flame retardants in the River Aire (UK). Environmental Pollution, 2013, 179, 194-200.	7.5	219
10	The role of soil organic carbon in the global cycling of persistent organic pollutants (POPs): interpreting and modelling field data. Chemosphere, 2005, 60, 959-972.	8.2	169
11	Understanding levels and trends of BDE-47 in the UK and North America: an assessment of principal reservoirs and source inputs. Environment International, 2003, 29, 691-698.	10.0	164
12	PASSIVE AIR SAMPLING OF POLYCYCLIC AROMATIC HYDROCARBONS AND POLYCHLORINATED NAPHTHALENES ACROSS EUROPE. Environmental Toxicology and Chemistry, 2004, 23, 1355.	4.3	162
13	The global re-cycling of persistent organic pollutants is strongly retarded by soils. Environmental Pollution, 2003, 121, 75-80.	7.5	154
14	Toward an Understanding of the Global Atmospheric Distribution of Persistent Organic Pollutants:â€‰ The Use of Semipermeable Membrane Devices as Time-Integrated Passive Samplers. Environmental Science & Technology, 1998, 32, 2795-2803.	10.0	142
15	Pollution pathways and release estimation of perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) in central and eastern China. Science of the Total Environment, 2017, 580, 1247-1256.	8.0	138
16	Multiple crop bioaccumulation and human exposure of perfluoroalkyl substances around a mega fluorochemical industrial park, China: Implication for planting optimization and food safety. Environment International, 2019, 127, 671-684.	10.0	126
17	Tracking the Global Distribution of Persistent Organic Pollutants Accounting for E-Waste Exports to Developing Regions. Environmental Science & Technology, 2016, 50, 798-805.	10.0	121
18	Spatial variability of POPs in European background air. Atmospheric Chemistry and Physics, 2011, 11, 1549-1564.	4.9	118

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19	Risk assessment and source identification of perfluoroalkyl acids in surface and ground water: Spatial distribution around a mega-fluorochemical industrial park, China. Environment International, 2016, 91, 69-77.	10.0	118
20	Airâ^'Pasture Transfer of PCBs. Environmental Science & Technology, 1998, 32, 936-942.	10.0	117
21	Seasonal and long-term trends in atmospheric PAH concentrations: evidence and implications. Environmental Pollution, 2004, 128, 17-27.	7.5	117
22	Crop bioaccumulation and human exposure of perfluoroalkyl acids through multi-media transport from a mega fluorochemical industrial park, China. Environment International, 2017, 106, 37-47.	10.0	105
23	Spatial and seasonal variations of antibiotics in river waters in the Haihe River Catchment in China and ecotoxicological risk assessment. Environment International, 2019, 130, 104919.	10.0	104
24	Diffusive gradients in thin-films (DGT) for in situ sampling of selected endocrine disrupting chemicals (EDCs) in waters. Water Research, 2018, 137, 211-219.	11.3	97
25	Passive air sampling for persistent organic pollutants: Introductory remarks to the special issue. Environmental Pollution, 2006, 144, 361-364.	7.5	96
26	Fate of Higher Brominated PBDEs in Lactating Cows. Environmental Science & Technology, 2007, 41, 417-423.	10.0	96
27	Modelling the fate of persistent organic pollutants in Europe: parameterisation of a gridded distribution model. Environmental Pollution, 2004, 128, 251-261.	7.5	92
28	An assessment of the impacts of pesticide use on the environment and health of rice farmers in Sierra Leone. Environment International, 2016, 94, 458-466.	10.0	85
29	Declining PCB Concentrations in the U.K. Atmosphere:Â Evidence and Possible Causes. Environmental Science & Technology, 2000, 34, 863-869.	10.0	83
30	DGT Passive Sampling for Quantitative in Situ Measurements of Compounds from Household and Personal Care Products in Waters. Environmental Science & Technology, 2017, 51, 13274-13281.	10.0	79
31	Polynuclear aromatic hydrocarbons (PAHs) in global background soils. Journal of Environmental Monitoring, 2009, 11, 45-48.	2.1	72
32	Coupled production and emission of short chain perfluoroalkyl acids from a fast developing fluorochemical industry: Evidence from yearly and seasonal monitoring in Daling River Basin, China. Environmental Pollution, 2016, 218, 1234-1244.	7.5	67
33	Soil pollution at a major West African E-waste recycling site: Contamination pathways and implications for potential mitigation strategies. Environment International, 2020, 137, 105563.	10.0	67
34	A dynamic level IV multimedia environmental model: Application to the fate of polychlorinated biphenyls in the United Kingdom over a 60â€year period. Environmental Toxicology and Chemistry, 2002, 21, 930-940.	4.3	62
35	Evidence for Major Contributions of Unintentionally Produced PCBs in the Air of China: Implications for the National Source Inventory. Environmental Science & Technology, 2020, 54, 2163-2171.	10.0	60
36	Temporal Trends and Controlling Factors for Polychlorinated Biphenyls in the UK Atmosphere (1991â^'2008). Environmental Science & Technology, 2010, 44, 8068-8074.	10.0	59

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37	Estrogens in municipal wastewater and receiving waters in the Beijing-Tianjin-Hebei region, China: Occurrence and risk assessment of mixtures. Journal of Hazardous Materials, 2020, 389, 121891.	12.4	59
38	Home produced eggs: An important pathway of human exposure to perfluorobutanoic acid (PFBA) and perfluorooctanoic acid (PFOA) around a fluorochemical industrial park in China. Environment International, 2017, 101, 1-6.	10.0	56
39	Atmospheric polybrominated diphenyl ethers (PBDEs) in the United Kingdom. Environmental Pollution, 2012, 169, 105-111.	7.5	54
40	Ecology of industrial pollution in China. Ecosystem Health and Sustainability, 2020, 6, .	3.1	54
41	Exploring the fate, transport and risk of Perfluorooctane Sulfonate (PFOS) in a coastal region of China using a multimedia model. Environment International, 2015, 85, 15-26.	10.0	53
42	Screening of benzodiazepines in thirty European rivers. Chemosphere, 2017, 176, 324-332.	8.2	52
43	Temporal Trends of Polycyclic Aromatic Hydrocarbons in the U.K. Atmosphere: 1991â€“2005. Environmental Science & Technology, 2008, 42, 3213-3218.	10.0	49
44	Continuous Monitoring of PCDD/Fs in the UK Atmosphere: 1991â^'2008. Environmental Science & Technology, 2010, 44, 5735-5740.	10.0	46
45	Human exposure to PCDD/Fs in the UK. Environment International, 2000, 26, 37-47.	10.0	42
46	Long-Term Temporal Trends of Polychlorinated Biphenyls and Their Controlling Sources in China. Environmental Science & Technology, 2017, 51, 2838-2845.	10.0	42
47	Environmental Distributions of Benzo[a]pyrene in China: Current and Future Emission Reduction Scenarios Explored Using a Spatially Explicit Multimedia Fate Model. Environmental Science & Technology, 2015, 49, 13868-13877.	10.0	39
48	GAPS-megacities: A new global platform for investigating persistent organic pollutants and chemicals of emerging concern in urban air. Environmental Pollution, 2020, 267, 115416.	7.5	39
49	Maximum reservoir capacity of vegetation for persistent organic pollutants: Implications for global cycling. Global Biogeochemical Cycles, 2004, 18, n/a-n/a.	4.9	38
50	Simultaneous determination of 20 trace organic chemicals in waters by solid-phase extraction (SPE) with triple-quadrupole mass spectrometer (QqQ-MS) and hybrid quadrupole Orbitrap high resolution MS (Q-Orbitrap-HRMS). Chemosphere, 2016, 163, 99-107.	8.2	38
51	Regional multi-compartment ecological risk assessment: Establishing cadmium pollution risk in the northern Bohai Rim, China. Environment International, 2016, 94, 283-291.	10.0	38
52	Estimation of PCDD/F distribution and fluxes in the Venice Lagoon, Italy: combining measurement and modelling approaches. Chemosphere, 2003, 51, 603-616.	8.2	37
53	Using gridded multimedia model to simulate spatial fate of Benzo[Î±]pyrene on regional scale. Environment International, 2014, 63, 53-63.	10.0	37
54	Experimental analysis of biomass pyrolysis using microwave-induced plasma. Fuel Processing Technology, 2012, 97, 79-84.	7.2	35

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55	Modelling the fate and behaviour of lipophilic organic contaminants in lactating dairy cows. Environmental Pollution, 1999, 104, 261-270.	7.5	33
56	PASSIVE SAMPLERâ€“DERIVED AIR CONCENTRATIONS FOR POLYBROMINATED DIPHENYL ETHERS AND POLYCYCLIC AROMATIC HYDROCARBONS IN KUWAIT. Environmental Toxicology and Chemistry, 2006, 25, 1496.	4.3	33
57	A Mass Balance of Tri-Hexabrominated Diphenyl Ethers in Lactating Cows. Environmental Science & Technology, 2009, 43, 2602-2607.	10.0	33
58	Estimating European historical production, consumption and atmospheric emissions of decabromodiphenyl ether. Science of the Total Environment, 2013, 447, 133-142.	8.0	33
59	Persistent Organic Pollutants in sediment and fish in the River Thames Catchment (UK). Science of the Total Environment, 2017, 576, 78-84.	8.0	33
60	Assessing the level and sources of Polycyclic Aromatic Hydrocarbons (PAHs) in soil and sediments along Jhelum riverine system of lesser Himalayan region of Pakistan. Chemosphere, 2019, 216, 640-652.	8.2	33
61	Pesticides contaminated dust exposure, risk diagnosis and exposure markers in occupational and residential settings of Lahore, Pakistan. Environmental Toxicology and Pharmacology, 2017, 56, 375-382.	4.0	32
62	Challenges in assessing release, exposure and fate of silver nanoparticles within the UK environment. Environmental Sciences: Processes and Impacts, 2013, 15, 2050.	3.5	31
63	Modelling the atmospheric fate and seasonality of polycyclic aromatic hydrocarbons in the UK. Chemosphere, 2004, 56, 195-208.	8.2	30
64	A new multimedia contaminant fate model for China: How important are environmental parameters in influencing chemical persistence and long-range transport potential?. Environment International, 2014, 69, 18-27.	10.0	30
65	A Multimedia Fate Model to Support Chemical Management in China: A Case Study for Selected Trace Organics. Environmental Science & Technology, 2016, 50, 7001-7009.	10.0	30
66	Hexabromocyclododecanes (HBCDDs) in surface soils from coastal cities in North China: Correlation between diastereoisomer profiles and industrial activities. Chemosphere, 2016, 148, 504-510.	8.2	29
67	Twenty years of measurement of polycyclic aromatic hydrocarbons (PAHs) in UK ambient air by nationwide air quality networks. Environmental Sciences: Processes and Impacts, 2013, 15, 1199.	3.5	28
68	Drivers of contaminant levels in surface water of China during 2000â€“2030: Relative importance for illustrative home and personal care product chemicals. Environment International, 2018, 115, 161-169.	10.0	28
69	Spatially Explicit Large-Scale Environmental Risk Assessment of Pharmaceuticals in Surface Water in China. Environmental Science & Technology, 2019, 53, 2559-2569.	10.0	28
70	The use of commercial and industrial waste in energy recovery systems â€“ A UK preliminary study. Waste Management, 2011, 31, 1759-1764.	7.4	27
71	The contribution of waste water treatment plants to PBDEs in ambient air. Environmental Pollution, 2012, 169, 242-247.	7.5	27
72	Which commonly monitored chemical contaminant in the Bohai region and the Yangtze and Pearl Rivers of China poses the greatest threat to aquatic wildlife?. Environmental Toxicology and Chemistry, 2018, 37, 1115-1121.	4.3	27

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73	Estimating overall persistence and long-range transport potential of persistent organic pollutants: a comparison of seven multimedia mass balance models and atmospheric transport models. Journal of Environmental Monitoring, 2008, 10, 1139.	2.1	25
74	Comparing measured and modelled PFOS concentrations in a UK freshwater catchment and estimating emission rates. Environment International, 2014, 70, 25-31.	10.0	25
75	Continental scale passive air sampling of persistent organic pollutants using rapidly equilibrating thin films (POGs). Environmental Pollution, 2006, 144, 423-433.	7.5	24
76	The TOMPs ambient air monitoring network â€“ Continuous data on UK air quality for over 20 years. Environmental Pollution, 2016, 217, 42-51.	7.5	24
77	The occurrence of home and personal care products in the Haihe River catchment and estimation of human exposure. Science of the Total Environment, 2018, 643, 63-72.	8.0	24
78	Gas evolution and syngas heating value from advanced thermal treatment of waste using microwave-induced plasma. Renewable Energy, 2013, 50, 1065-1072.	8.9	23
79	A year-long passive sampling of phenolic endocrine disrupting chemicals in the East River, South China. Environment International, 2020, 143, 105936.	10.0	23
80	Life cycle analysis of perfluorooctanoic acid (PFOA) and its salts in China. Environmental Science and Pollution Research, 2017, 24, 11254-11264.	5.3	21
81	Reconstruction of historical trends of PCDD/Fs and PCBs in the Venice Lagoon, Italy. Environment International, 2005, 31, 1047-1052.	10.0	20
82	A first European scale multimedia fate modelling of BDE-209 from 1970 to 2020. Environment International, 2015, 74, 71-81.	10.0	20
83	Potential effects of changes in climate and emissions on distribution and fate of perfluorooctane sulfonate in the Bohai Rim, China. Science of the Total Environment, 2018, 613-614, 352-360.	8.0	20
84	A process-oriented inter-comparison of a box model and an atmospheric chemistry transport model: Insights into model structure using Î±Î±-HCH as the modelled substance. Atmospheric Environment, 2006, 40, 2089-2104.	4.1	19
85	Potential implications of future climate and landâ€cover changes for the fate and distribution of persistent organic pollutants in Europe. Global Ecology and Biogeography, 2012, 21, 64-74.	5.8	18
86	Exposure of polychlorinated naphthalenes (PCNs) to Pakistani populations via non-dietary sources from neglected e-waste hubs: A problem of high health concern. Environmental Pollution, 2020, 259, 113838.	7.5	18
87	Persistent organic pollutants (POPs) in fish species from different lakes of the lesser Himalayan region (LHR), Pakistan: The influence of proximal sources in distribution of POPs. Science of the Total Environment, 2021, 760, 143351.	8.0	18
88	Evaluating fugacity models for trace components in landfill gas. Environmental Pollution, 2006, 144, 1013-1023.	7.5	17
89	Modeling the Time-Variant Dietary Exposure of PCBs in China over the Period 1930 to 2100. Environmental Science & Technology, 2018, 52, 7371-7379.	10.0	16
90	Using passive air samplers to assess local sources versus long range atmospheric transport of POPs. Journal of Environmental Monitoring, 2012, 14, 2580.	2.1	15

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91	Higher atmospheric levels and contribution of black carbon in soil-air partitioning of organochlorines in Lesser Himalaya. Chemosphere, 2018, 191, 787-798.	8.2	15
92	Insight into occurrence, profile and spatial distribution of organochlorine pesticides in soils of solid waste dumping sites of Pakistan: Influence of soil properties and implications for environmental fate. Ecotoxicology and Environmental Safety, 2019, 170, 195-204.	6.0	15
93	Global intercomparison of polyurethane foam passive air samplers evaluating sources of variability in SVOC measurements. Environmental Science and Policy, 2021, 125, 1-9.	4.9	15
94	Role of black carbon in soil distribution of organochlorines in Lesser Himalayan Region of Pakistan. Environmental Pollution, 2018, 236, 971-982.	7.5	14
95	Sedimentary black carbon and organochlorines in Lesser Himalayan Region of Pakistan: Relationship along the altitude. Science of the Total Environment, 2018, 621, 1568-1580.	8.0	13
96	Estimating the aquatic emissions and fate of perfluorooctane sulfonate (PFOS) into the river Rhine. Journal of Environmental Monitoring, 2012, 14, 524-530.	2.1	12
97	Can car air filters be useful as a sampling medium for air pollution monitoring purposes?. Environment International, 2012, 48, 65-70.	10.0	12
98	Soil-air partitioning of semivolatile organic compounds in the Lesser Himalaya region: Influence of soil organic matter, atmospheric transport processes and secondary emissions. Environmental Pollution, 2021, 291, 118006.	7.5	12
99	The distribution of Polychlorinated Biphenyls (PCBs) in the River Thames Catchment under the scenarios of climate change. Science of the Total Environment, 2015, 533, 187-195.	8.0	10
100	â€œGood Epidemiology Practiceâ€•Guidelines for Pesticide Exposure Assessment. International Journal of Environmental Research and Public Health, 2020, 17, 5114.	2.6	10
101	Urban-rural gradients of polycyclic aromatic hydrocarbons in soils at a regional scale: Quantification and prediction. Journal of Environmental Management, 2019, 249, 109406.	7.8	9
102	China begins to position for leadership on responsible risk-based global chemicals management. Environmental Pollution, 2012, 165, 170-173.	7.5	8
103	Challenges in assessing the environmental fate and exposure of nano silver. Journal of Physics: Conference Series, 2011, 304, 012070.	0.4	7
104	System to control indoor air quality in energy efficient buildings. Urban Climate, 2015, 14, 475-485.	5.7	7
105	Can poly-parameter linear-free energy relationships (pp-LFERs) improve modelling bioaccumulation in fish?. Chemosphere, 2018, 191, 235-244.	8.2	7
106	A Grand Challenge for Environmental Organic Chemistry: How Can We Avoid Regrettable Substitution?. Frontiers in Environmental Chemistry, 2020, 1, .	1.6	7
107	Applicability of western chemical dietary exposure models to the Chinese population. Environmental Research, 2015, 140, 165-176.	7.5	6
108	Organohalogenated contaminants (OHCs) in high-altitude environments: A review and implication for a black carbon relationship. Critical Reviews in Environmental Science and Technology, 2017, 47, 1143-1190.	12.8	6

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109	Assessing residual status and spatial variation of current-use pesticides under the influence of environmental factors in major cash crop growing areas of Pakistan. Chemosphere, 2018, 212, 486-496.	8.2	6
110	Accounting for water levels and black carbon-inclusive sediment-water partitioning of organochlorines in Lesser Himalaya, Pakistan using two-carbon model. Environmental Science and Pollution Research, 2018, 25, 24653-24667.	5.3	5
111	Measurements of persistent organic pollutants in Estonian ambient air (1990â€“2013). Proceedings of the Estonian Academy of Sciences, 2015, 64, 184.	1.5	4
112	The potential association of polybrominated diphenyl ether concentrations in serum to thyroid function in patients with abnormal thyroids: a pilot study. Annals of Palliative Medicine, 2021, 10, 9192-9205.	1.2	4
113	A dynamic level IV multimedia environmental model: application to the fate of polychlorinated biphenyls in the United Kingdom over a 60-year period. Environmental Toxicology and Chemistry, 2002, 21, 930-40.	4.3	4
114	Modeling Historical Emissions and Environmental Fate of PCBs in the United Kingdom. ACS Symposium Series, 2000, , 75-88.	0.5	3
115	Field-testing a new directional passive air sampler for fugitive dust in a complex industrial source environment. Environmental Sciences: Processes and Impacts, 2014, 16, 159-168.	3.5	3
116	A Quantitative Assessment and Biomagnification of Mercury and Its Associated Health Risks from Fish Consumption in Freshwater Lakes of Azad Kashmir, Pakistan. Biological Trace Element Research, 2021, 199, 3510-3526.	3.5	3