

Jordi Dachs

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168
papers

8,555
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56
h-index

86
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176
ext. papers

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ext. citations

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5.97
L-index

#	Paper	IF	Citations
168	Global fate of POPs: current and future research directions. <i>Environmental Pollution</i> , 2007 , 150, 150-65	9.3	399
167	Adsorption onto Aerosol Soot Carbon Dominates Gas-Particle Partitioning of Polycyclic Aromatic Hydrocarbons. <i>Environmental Science & Technology</i> , 2000 , 34, 3690-3697	10.3	302
166	Oceanic biogeochemical controls on global dynamics of persistent organic pollutants. <i>Environmental Science & Technology</i> , 2002 , 36, 4229-37	10.3	300
165	Marine ecosystems responses to climatic and anthropogenic forcings in the Mediterranean. <i>Progress in Oceanography</i> , 2011 , 91, 97-166	3.8	277
164	Past, present, and future controls on levels of persistent organic pollutants in the global environment. <i>Environmental Science & Technology</i> , 2010 , 44, 6526-31	10.3	181
163	Atmospheric deposition of organic and black carbon to the global oceans. <i>Atmospheric Environment</i> , 2008 , 42, 7931-7939	5.3	180
162	Global ocean emission of dimethylsulfide predicted from biogeophysical data. <i>Global Biogeochemical Cycles</i> , 2002 , 16, 26-1-26-10	5.9	148
161	Coupling of Phytoplankton Uptake and Air-Water Exchange of Persistent Organic Pollutants. <i>Environmental Science & Technology</i> , 1999 , 33, 3653-3660	10.3	136
160	PAHs in air and seawater along a North-South Atlantic transect: trends, processes and possible sources. <i>Environmental Science & Technology</i> , 2008 , 42, 1580-5	10.3	135
159	Mass budget and dynamics of polycyclic aromatic hydrocarbons in the Mediterranean Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1997 , 44, 881-905	2.3	127
158	Influence of Eutrophication on Air-Water Exchange, Vertical Fluxes, and Phytoplankton Concentrations of Persistent Organic Pollutants. <i>Environmental Science & Technology</i> , 2000 , 34, 1095-1102	10.3	120
157	Influence of organic matter content and human activities on the occurrence of organic pollutants in antarctic soils, lichens, grass, and mosses. <i>Environmental Science & Technology</i> , 2012 , 46, 1396-405	10.3	119
156	Atmospheric dry deposition of persistent organic pollutants to the Atlantic and inferences for the global oceans. <i>Environmental Science & Technology</i> , 2004 , 38, 5505-13	10.3	119
155	Accumulation and cycling of polycyclic aromatic hydrocarbons in zooplankton. <i>Environmental Science & Technology</i> , 2009 , 43, 2295-301	10.3	115
154	Wet deposition of persistent organic pollutants to the global oceans. <i>Environmental Science & Technology</i> , 2005 , 39, 2426-35	10.3	112
153	Organophosphate ester (OPE) flame retardants and plasticizers in the open Mediterranean and Black Seas atmosphere. <i>Environmental Science & Technology</i> , 2014 , 48, 3203-9	10.3	107
152	Evidence for dynamic air-water coupling and cycling of persistent organic pollutants over the open Atlantic Ocean. <i>Environmental Science & Technology</i> , 2004 , 38, 2617-25	10.3	107

151	Occurrence of Estrogenic Nonylphenols in the Urban and Coastal Atmosphere of the Lower Hudson River Estuary. <i>Environmental Science & Technology</i> , 1999 , 33, 2676-2679	10.3	106
150	Spatial, Vertical Distribution and Budget of Polycyclic Aromatic Hydrocarbons in the Western Mediterranean Seawater. <i>Environmental Science & Technology</i> , 1997 , 31, 682-688	10.3	104
149	Polycyclic aromatic hydrocarbons (PAHs) in the Mediterranean Sea: atmospheric occurrence, deposition and decoupling with settling fluxes in the water column. <i>Environmental Pollution</i> , 2012 , 166, 40-7	9.3	103
148	Polychlorinated biphenyls (PCBs) in air and seawater of the Atlantic Ocean: sources, trends and processes. <i>Environmental Science & Technology</i> , 2008 , 42, 1416-22	10.3	103
147	The oceanic biological pump modulates the atmospheric transport of persistent organic pollutants to the Arctic. <i>Nature Communications</i> , 2012 , 3, 862	17.4	102
146	Biogeochemical and physical controls on concentrations of polycyclic aromatic hydrocarbons in water and plankton of the Mediterranean and Black Seas. <i>Global Biogeochemical Cycles</i> , 2011 , 25, n/a-n/a ^{5.9}		97
145	Biological pump control of the fate and distribution of hydrophobic organic pollutants in water and plankton. <i>Environmental Science & Technology</i> , 2012 , 46, 3204-11	10.3	95
144	Persistent organic pollutants in Mediterranean seawater and processes affecting their accumulation in plankton. <i>Environmental Science & Technology</i> , 2011 , 45, 4315-22	10.3	93
143	Dynamic air-water exchange of polychlorinated biphenyls in the New York-New Jersey Harbor Estuary. <i>Environmental Science & Technology</i> , 2001 , 35, 3834-40	10.3	93
142	Vertical fluxes of polycyclic aromatic hydrocarbons and organochlorine compounds in the western Alboran Sea (southwestern Mediterranean). <i>Marine Chemistry</i> , 1996 , 52, 75-86	3.7	92
141	Polycyclic Aromatic Hydrocarbons in the New Jersey Coastal Atmosphere. <i>Environmental Science & Technology</i> , 2000 , 34, 3547-3554	10.3	91
140	Prediction of uptake dynamics of persistent organic pollutants by bacteria and phytoplankton. <i>Environmental Toxicology and Chemistry</i> , 2002 , 21, 2099-2107	3.8	89
139	Ubiquitous net volatilization of polycyclic aromatic hydrocarbons from soils and parameters influencing their soil-air partitioning. <i>Environmental Science & Technology</i> , 2011 , 45, 4740-7	10.3	88
138	Cell size dependent toxicity thresholds of polycyclic aromatic hydrocarbons to natural and cultured phytoplankton populations. <i>Environmental Pollution</i> , 2010 , 158, 299-307	9.3	88
137	Atmospheric Seasonal Trends and Environmental Fate of Alkylphenols in the Lower Hudson River Estuary. <i>Environmental Science & Technology</i> , 2000 , 34, 2410-2417	10.3	84
136	Influence of soot carbon on the soil-air partitioning of polycyclic aromatic hydrocarbons. <i>Environmental Science & Technology</i> , 2003 , 37, 2675-80	10.3	83
135	High atmosphere-ocean exchange of semivolatile aromatic hydrocarbons. <i>Nature Geoscience</i> , 2016 , 9, 438-442	18.3	79
134	Organophosphate Ester Flame Retardants and Plasticizers in the Global Oceanic Atmosphere. <i>Environmental Science & Technology</i> , 2016 , 50, 12831-12839	10.3	78

133	Atmospheric concentrations and deposition of polycyclic aromatic hydrocarbons to the Mid-Atlantic East Coast region. <i>Environmental Science & Technology</i> , 2005 , 39, 5550-9	10.3	77
132	Air-water exchange of polycyclic aromatic hydrocarbons in the New York-New Jersey, USA, Harbor Estuary. <i>Environmental Toxicology and Chemistry</i> , 2002 , 21, 235-244	3.8	77
131	Long-range transport of airborne microbes over the global tropical and subtropical ocean. <i>Nature Communications</i> , 2017 , 8, 201	17.4	76
130	Atmospheric polychlorinated biphenyl concentrations and apparent degradation in coastal New Jersey. <i>Atmospheric Environment</i> , 2001 , 35, 3325-3339	5.3	75
129	Polychlorinated biphenyls in air and water of the North Atlantic and Arctic Ocean. <i>Journal of Geophysical Research</i> , 2008 , 113,		74
128	Perfluoroalkylated substances in the global tropical and subtropical surface oceans. <i>Environmental Science & Technology</i> , 2014 , 48, 13076-84	10.3	73
127	Organic Pollutants in Coastal Waters, Sediments, and Biota: A Relevant Driver for Ecosystems During the Anthropocene?. <i>Estuaries and Coasts</i> , 2010 , 33, 1-14	2.8	73
126	Climatic and biogeochemical controls on the remobilization and reservoirs of persistent organic pollutants in Antarctica. <i>Environmental Science & Technology</i> , 2013 , 47, 4299-306	10.3	72
125	Factors influencing the soil-air partitioning and the strength of soils as a secondary source of polychlorinated biphenyls to the atmosphere. <i>Environmental Science & Technology</i> , 2011 , 45, 4785-92	10.3	71
124	Decrease in the abundance and viability of oceanic phytoplankton due to trace levels of complex mixtures of organic pollutants. <i>Chemosphere</i> , 2010 , 81, 161-8	8.4	68
123	PCBs in the western Mediterranean. Temporal trends and mass balance assessment. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1997 , 44, 907-928	2.3	68
122	Occurrence of aerosol-bound fullerenes in the Mediterranean Sea atmosphere. <i>Environmental Science & Technology</i> , 2012 , 46, 1335-43	10.3	67
121	Atmospheric concentrations and deposition of polychlorinated biphenyls to the Hudson River Estuary. <i>Environmental Science & Technology</i> , 2004 , 38, 2568-73	10.3	66
120	Aerosol inputs enhance new production in the subtropical northeast Atlantic. <i>Journal of Geophysical Research</i> , 2006 , 111,		65
119	Biodegradation as an important sink of aromatic hydrocarbons in the oceans. <i>Nature Geoscience</i> , 2019 , 12, 119-125	18.3	64
118	Oceanic deep water formation as a sink of persistent organic pollutants. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	63
117	Air-water exchange of polycyclic aromatic hydrocarbons in the New York-New Jersey, USA, Harbor Estuary. <i>Environmental Toxicology and Chemistry</i> , 2002 , 21, 235-44	3.8	63
116	Iodine oxide in the global marine boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 583-593	6.8	62

115	Polychlorinated biphenyls, hexachlorocyclohexanes and hexachlorobenzene in seawater and phytoplankton from the Southern Ocean (Weddell, South Scotia, and Bellingshausen Seas). <i>Environmental Science & Technology</i> , 2013 , 47, 5578-87	10.3	58
114	Processes driving the short-term variability of polycyclic aromatic hydrocarbons in the Baltimore and northern Chesapeake Bay atmosphere, USA. <i>Atmospheric Environment</i> , 2002 , 36, 2281-2295	5.3	58
113	Soil-Air exchange controls on background atmospheric concentrations of organochlorine pesticides. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 12799-12811	6.8	57
112	Atlantic ocean surface waters buffer declining atmospheric concentrations of persistent organic pollutants. <i>Environmental Science & Technology</i> , 2010 , 44, 6978-84	10.3	56
111	Development of a soil fugacity sampler for determination of air-soil partitioning of persistent organic pollutants under field controlled conditions. <i>Environmental Science & Technology</i> , 2009 , 43, 8257-63	10.3	55
110	Atmospheric occurrence and deposition of polycyclic aromatic hydrocarbons in the northeast tropical and subtropical Atlantic Ocean. <i>Environmental Science & Technology</i> , 2007 , 41, 5608-13	10.3	53
109	Latitudinal and seasonal capacity of the surface oceans as a reservoir of polychlorinated biphenyls. <i>Environmental Pollution</i> , 2004 , 128, 149-62	9.3	52
108	Atmospheric occurrence and deposition of hexachlorobenzene and hexachlorocyclohexanes in the Southern Ocean and Antarctic Peninsula. <i>Atmospheric Environment</i> , 2013 , 80, 41-49	5.3	51
107	Fate of persistent organic pollutants in the water column: does turbulent mixing matter?. <i>Marine Pollution Bulletin</i> , 2007 , 54, 441-51	6.7	50
106	Accumulation of Perfluoroalkylated Substances in Oceanic Plankton. <i>Environmental Science & Technology</i> , 2017 , 51, 2766-2775	10.3	49
105	Role of Snow Deposition of Perfluoroalkylated Substances at Coastal Livingston Island (Maritime Antarctica). <i>Environmental Science & Technology</i> , 2017 , 51, 8460-8470	10.3	49
104	High atmosphere-ocean exchange of organic carbon in the NE subtropical Atlantic. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	48
103	Spatial distribution, vertical profiles and budget of organochlorine compounds in Western Mediterranean seawater. <i>Marine Chemistry</i> , 1997 , 57, 313-324	3.7	47
102	Potential contamination of shipboard air samples by diffusive emissions of PCBs and other organic pollutants: implications and solutions. <i>Environmental Science & Technology</i> , 2004 , 38, 3965-70	10.3	46
101	Degradation of sulfonamides as a microbial resistance mechanism. <i>Water Research</i> , 2017 , 115, 309-317	12.5	45
100	Polychlorinated biphenyls and particulate organic/elemental carbon in the atmosphere of Chesapeake Bay, USA. <i>Atmospheric Environment</i> , 2001 , 35, 5663-5677	5.3	44
99	The "degradative" and "biological" pumps controls on the atmospheric deposition and sequestration of hexachlorocyclohexanes and hexachlorobenzene in the North Atlantic and Arctic Oceans. <i>Environmental Science & Technology</i> , 2013 , 47, 7195-203	10.3	43
98	Atmospheric occurrence and deposition of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/Fs) in the open Mediterranean Sea. <i>Environmental Science & Technology</i> , 2010 , 44, 5456-63	10.3	43

97	Volatile per- and polyfluoroalkyl compounds in the remote atmosphere of the western Antarctic Peninsula: an indirect source of perfluoroalkyl acids to Antarctic waters?. <i>Atmospheric Pollution Research</i> , 2012 , 3, 450-455	4.5	43
96	Development of a supercritical fluid extraction procedure for tributyltin determination in sediments. <i>Analytica Chimica Acta</i> , 1994 , 286, 319-327	6.6	43
95	Air-Seawater Exchange of Organochlorine Pesticides in the Southern Ocean between Australia and Antarctica. <i>Environmental Science & Technology</i> , 2016 , 50, 8001-9	10.3	42
94	Sources and fate of polycyclic aromatic hydrocarbons in the Antarctic and Southern Ocean atmosphere. <i>Global Biogeochemical Cycles</i> , 2014 , 28, 1424-1436	5.9	41
93	Potential for a biogenic influence on cloud microphysics over the ocean: a correlation study with satellite-derived data. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 7977-7993	6.8	40
92	Enrichment of organochlorine contaminants in the sea surface microlayer: An organic carbon-driven process. <i>Marine Chemistry</i> , 2005 , 96, 331-345	3.7	40
91	Seasonality in the grasshopper and atmospheric residence times of persistent organic pollutants over the oceans. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	39
90	Factors affecting the occurrence and transport of atmospheric organochlorines in the China Sea and the northern Indian and South East Atlantic Oceans. <i>Environmental Science & Technology</i> , 2012 , 46, 10012-21	10.3	38
89	Factors affecting the atmospheric occurrence and deposition of polychlorinated biphenyls in the Southern Ocean. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 12029-12041	6.8	38
88	Surface waters are a source of polychlorinated biphenyls to the coastal atmosphere of the North-Western Mediterranean Sea. <i>Chemosphere</i> , 2009 , 75, 1144-52	8.4	38
87	Modelling the dynamic air-water-sediment coupled fluxes and occurrence of polychlorinated biphenyls in a high altitude lake. <i>Environmental Pollution</i> , 2006 , 140, 546-60	9.3	38
86	Evaluation of anthropogenic and biogenic inputs into the western Mediterranean using molecular markers. <i>Marine Chemistry</i> , 1999 , 65, 195-210	3.7	38
85	Monsoon-Driven Vertical Fluxes of Organic Pollutants in the Western Arabian Sea. <i>Environmental Science & Technology</i> , 1999 , 33, 3949-3956	10.3	38
84	Cell size dependence of additive versus synergetic effects of UV radiation and PAHs on oceanic phytoplankton. <i>Environmental Pollution</i> , 2011 , 159, 1307-16	9.3	37
83	Effects of dust deposition and river discharges on trace metal composition of <i>Trichodesmium</i> spp. in the tropical and subtropical North Atlantic Ocean. <i>Limnology and Oceanography</i> , 2006 , 51, 1755-1761	4.8	36
82	Seasonal air-water exchange fluxes of polychlorinated biphenyls in the Hudson River Estuary. <i>Environmental Pollution</i> , 2008 , 152, 443-51	9.3	35
81	Maximum reservoir capacity of vegetation for persistent organic pollutants: Implications for global cycling. <i>Global Biogeochemical Cycles</i> , 2004 , 18, n/a-n/a	5.9	35
80	Unexpected occurrence of volatile dimethylsiloxanes in Antarctic soils, vegetation, phytoplankton, and krill. <i>Environmental Science & Technology</i> , 2015 , 49, 4415-24	10.3	34

79	Isotopic constraints on the role of hypohalous acids in sulfate aerosol formation in the remote marine boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 11433-11450	6.8	33
78	Atmospheric occurrence, transport and deposition of polychlorinated biphenyls and hexachlorobenzene in the Mediterranean and Black seas. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 8947-8959	6.8	33
77	Anthropogenic and biogenic hydrocarbons in soils and vegetation from the South Shetland Islands (Antarctica). <i>Science of the Total Environment</i> , 2016 , 569-570, 1500-1509	10.2	29
76	Evidence for cyanobacterial inputs and heterotrophic alteration of lipids in sinking particles in the Alboran Sea (SW Mediterranean). <i>Marine Chemistry</i> , 1998 , 60, 189-201	3.7	29
75	Influence of the surface microlayer on atmospheric deposition of aerosols and polycyclic aromatic hydrocarbons. <i>Atmospheric Environment</i> , 2007 , 41, 4920-4930	5.3	29
74	Microbial consumption of organophosphate esters in seawater under phosphorus limited conditions. <i>Scientific Reports</i> , 2019 , 9, 233	4.9	28
73	Re-examination of global emerging patterns of ocean DMS concentration. <i>Biogeochemistry</i> , 2012 , 110, 173-182	3.8	27
72	Background concentrations of polychlorinated dibenzo-p-dioxins, dibenzofurans, and biphenyls in the global oceanic atmosphere. <i>Environmental Science & Technology</i> , 2014 , 48, 10198-207	10.3	26
71	Processes controlling diurnal variations of PCDD/Fs in the New Jersey coastal atmosphere. <i>Atmospheric Environment</i> , 2003 , 37, 959-969	5.3	26
70	Toxicity of natural mixtures of organic pollutants in temperate and polar marine phytoplankton. <i>Science of the Total Environment</i> , 2016 , 571, 34-41	10.2	26
69	Snow Amplification of Persistent Organic Pollutants at Coastal Antarctica. <i>Environmental Science & Technology</i> , 2019 , 53, 8872-8882	10.3	25
68	Comparison of sampling devices for the determination of polychlorinated biphenyls in the sea surface microlayer. <i>Marine Environmental Research</i> , 2005 , 59, 255-75	3.3	25
67	Evaluation of sampling devices for the determination of polycyclic aromatic hydrocarbons in surface microlayer coastal waters. <i>Marine Pollution Bulletin</i> , 2004 , 48, 961-8	6.7	25
66	Sea breeze modulated volatilization of polycyclic aromatic hydrocarbons from the Masnou Harbor (NW Mediterranean Sea). <i>Environmental Science & Technology</i> , 2003 , 37, 3794-802	10.3	25
65	Seasonal soil/snow-air exchange of semivolatile organic pollutants at a coastal arctic site (Tromsø 69°N). <i>Science of the Total Environment</i> , 2018 , 636, 1109-1116	10.2	24
64	Field measurements of the atmospheric dry deposition fluxes and velocities of polycyclic aromatic hydrocarbons to the global oceans. <i>Environmental Science & Technology</i> , 2014 , 48, 5583-92	10.3	23
63	Biodegradation of phenanthrene by indigenous microorganisms in soils from Livingstone Island, Antarctica. <i>FEMS Microbiology Letters</i> , 2012 , 329, 69-77	2.9	23
62	Toxicity assessment of atmospheric particulate matter in the Mediterranean and Black Seas open waters. <i>Science of the Total Environment</i> , 2016 , 545-546, 163-70	10.2	22

61	Trialkylamines and Coprostanol as Tracers of Urban Pollution in Waters from Enclosed Seas: The Mediterranean and Black Sea. <i>Environmental Science & Technology</i> , 1999 , 33, 3290-3296	10.3	22
60	Dysregulation of photosynthetic genes in oceanic <i>Prochlorococcus</i> populations exposed to organic pollutants. <i>Scientific Reports</i> , 2017 , 7, 8029	4.9	21
59	Response to the Comment on Influence of Soot Carbon on the Soil-Air Partitioning of Polycyclic Aromatic Hydrocarbons. <i>Environmental Science & Technology</i> , 2004 , 38, 1624-1625	10.3	21
58	Microbial responses to anthropogenic dissolved organic carbon in the Arctic and Antarctic coastal seawaters. <i>Environmental Microbiology</i> , 2019 , 21, 1466-1481	5.2	20
57	Langmuir-Derived Model for Diffusion- and Reaction-Limited Adsorption of Organic Compounds on Fractal Aggregates. <i>Environmental Science & Technology</i> , 1997 , 31, 2754-2760	10.3	20
56	Seasonal fluxes and temperature-dependent accumulation of persistent organic pollutants in lakes: the role of internal biogeochemical cycling. <i>Environmental Pollution</i> , 2009 , 157, 1815-22	9.3	19
55	Integrated modelling of Polycyclic Aromatic Hydrocarbons in the marine environment: coupling of hydrodynamic, fate and transport, bioaccumulation and planktonic food-web models. <i>Marine Pollution Bulletin</i> , 2009 , 58, 1554-61	6.7	18
54	Air-water exchange and vertical profiles of organic carbon in a subarctic fjord. <i>Limnology and Oceanography</i> , 2010 , 55, 1733-1740	4.8	18
53	Enrichment of perfluoroalkyl substances in the sea-surface microlayer and sea-spray aerosols in the Southern Ocean. <i>Environmental Pollution</i> , 2020 , 267, 115512	9.3	17
52	Anthropogenic dissolved organic carbon and marine microbiomes. <i>ISME Journal</i> , 2020 , 14, 2646-2648	11.9	16
51	Vertical eddy diffusion as a key mechanism for removing perfluorooctanoic acid (PFOA) from the global surface oceans. <i>Environmental Pollution</i> , 2013 , 179, 88-94	9.3	16
50	Microbial responses to perfluoroalkyl substances and perfluorooctanesulfonate (PFOS) desulfurization in the Antarctic marine environment. <i>Water Research</i> , 2020 , 171, 115434	12.5	16
49	Modulation of microbial growth and enzymatic activities in the marine environment due to exposure to organic contaminants of emerging concern and hydrocarbons. <i>Science of the Total Environment</i> , 2019 , 678, 486-498	10.2	15
48	Oceanic Sink and Biogeochemical Controls on the Accumulation of Polychlorinated Dibenzo-p-dioxins, Dibenzofurans, and Biphenyls in Plankton. <i>Environmental Science & Technology</i> , 2015 , 49, 13853-61	10.3	15
47	Ocean-Atmosphere exchange of organic carbon and CO ₂ surrounding the Antarctic Peninsula. <i>Biogeosciences</i> , 2014 , 11, 2755-2770	4.6	15
46	Tributyltin speciation in aquatic matrices by CGC-FPD and CGC-MS confirmation. <i>Mikrochimica Acta</i> , 1992 , 109, 87-91	5.8	15
45	Optimization of a flame photometric detector for supercritical fluid chromatography of organotin compounds. <i>Journal of Chromatography A</i> , 1993 , 636, 277-283	4.5	15
44	Pivotal Role of Snow Deposition and Melting Driving Fluxes of Polycyclic Aromatic Hydrocarbons at Coastal Livingston Island (Antarctica). <i>Environmental Science & Technology</i> , 2018 , 52, 12327-12337	10.3	15

43	Vertical transport and sinks of perfluoroalkyl substances in the global open ocean. <i>Environmental Sciences: Processes and Impacts</i> , 2019 , 21, 1957-1969	4.3	13
42	Accumulation of dioxins in deep-sea crustaceans, fish and sediments from a submarine canyon (NW Mediterranean). <i>Progress in Oceanography</i> , 2013 , 118, 260-272	3.8	12
41	Persistent organic pollutants in the atmosphere of the Antarctic Plateau. <i>Atmospheric Environment</i> , 2017 , 149, 104-108	5.3	12
40	Atmospheric Deposition of POPs. <i>Comprehensive Analytical Chemistry</i> , 2015 , 295-322	1.9	12
39	Quantifying the importance of the atmospheric sink for polychlorinated dioxins and furans relative to other global loss processes. <i>Journal of Geophysical Research</i> , 2006 , 111,		11
38	Clustering of nonpolar organic compounds in lipid media: evidence and implications. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 11699-703	2.8	10
37	Prediction of uptake dynamics of persistent organic pollutants by bacteria and phytoplankton. <i>Environmental Toxicology and Chemistry</i> , 2002 , 21, 2099-107	3.8	10
36	Atmospheric Transport, Cycling and Dynamics of Polychlorinated Biphenyls (PCBs) from Source Regions to Remote Oceanic Areas. <i>ACS Symposium Series</i> , 2013 , 3-18	0.4	9
35	Combined experimental design and information theory for the optimization of supercritical fluid extraction of organic priority pollutants from sediment. <i>Analytica Chimica Acta</i> , 1997 , 351, 377-385	6.6	9
34	Adsorption and Partitioning of Organic Compounds onto/into Fractal Sorbents. <i>Langmuir</i> , 2001 , 17, 2533-2537	9	9
33	Sources and diffusive air-water exchange of polycyclic aromatic hydrocarbons in an oligotrophic North-Patagonian lake. <i>Science of the Total Environment</i> , 2020 , 738, 139838	10.2	8
32	Aliphatic hydrocarbons and triterpenes of the Congo deep-sea fan. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017 , 142, 109-124	2.3	7
31	Persistent organic pollutants in krill from the Bellingshausen, South Scotia, and Weddell Seas. <i>Science of the Total Environment</i> , 2018 , 610-611, 1487-1495	10.2	7
30	The riverine input/output paradox for organic pollutants. <i>Frontiers in Ecology and the Environment</i> , 2012 , 10, 405-406	5.5	7
29	Large Enrichment of Anthropogenic Organic Matter Degrading Bacteria in the Sea-Surface Microlayer at Coastal Livingston Island (Antarctica). <i>Frontiers in Microbiology</i> , 2020 , 11, 571983	5.7	7
28	Response to comments on "Unexpected occurrence of volatile dimethylsiloxanes in Antarctic soils, vegetation, phytoplankton and krill". <i>Environmental Science & Technology</i> , 2015 , 49, 7510-2	10.3	6
27	Sources, Transport and Deposition of Atmospheric Organic Pollutants in the Mediterranean Sea. <i>ACS Symposium Series</i> , 2013 , 231-260	0.4	6
26	On the occurrence of microscale chemical patches in fractal aggregates. <i>Ecological Modelling</i> , 1998 , 107, 87-92	3	6

25	Effects of Adsorbate/Adsorbate Interactions and Surface Fractality on Diffusion- and Reaction-Limited Adsorption. <i>Langmuir</i> , 1999 , 15, 8686-8690	4	6
24	Sources, Transport and Fate of Organic Pollutants in the Oceanic Environment 2011 , 111-139		6
23	Responses of Coastal Marine Microbiomes Exposed to Anthropogenic Dissolved Organic Carbon. <i>Environmental Science & Technology</i> , 2021 , 55, 9609-9621	10.3	6
22	Field-derived Henry's law constants for polychlorinated biphenyls in oceanic waters. <i>Journal of Geophysical Research</i> , 2010 , 115,		5
21	Legacy and novel flame retardants from indoor dust in Antarctica: Sources and human exposure. <i>Environmental Research</i> , 2021 , 196, 110344	7.9	5
20	Novel system for controlled investigation of environmental partitioning of hydrophobic compounds in water. <i>Environmental Science & Technology</i> , 2011 , 45, 7834-40	10.3	4
19	Clade-Specific Quantitative Analysis of Photosynthetic Gene Expression in <i>Prochlorococcus</i> . <i>PLoS ONE</i> , 2015 , 10, e0133207	3.7	4
18	Organophosphate ester pollution in the oceans. <i>Nature Reviews Earth & Environment</i> ,	30.2	4
17	Transference of atmospheric hydroxyl radical to the ocean surface induces high phytoplankton cell death. <i>Photochemistry and Photobiology</i> , 2012 , 88, 1473-9	3.6	3
16	Polychlorinated Biphenyls in the Global Ocean 2019 , 269-282		3
15	Rain Amplification of Persistent Organic Pollutants. <i>Environmental Science & Technology</i> , 2021 , 55, 12961-12972	10.3	3
14	Climate change influence on the levels and trends of persistent organic pollutants (POPs) and chemicals of emerging Arctic concern (CEACs) in the Arctic physical environment - a review.. <i>Environmental Sciences: Processes and Impacts</i> , 2022 ,	4.3	3
13	Effects of pre-exposure on the indigenous biodegradation of 14 C-phenanthrene in Antarctic soils. <i>International Biodeterioration and Biodegradation</i> , 2017 , 125, 189-199	4.8	2
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