Willy F Baeyens

List of Publications by Year
in descending order

171	6,376	71004	100535
papers	citations	43 h-index	70 g-index

171	171	171	8141
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Developments in the diffusive gradients in thin-films technique for the speciation of oxyanions and platinum group elements in aquatic systems. TrAC - Trends in Analytical Chemistry, 2022, 147, 116513.	5.8	6
2	Glyphosate and AMPA exposure in relation to markers of biological aging in an adult population-based study. International Journal of Hygiene and Environmental Health, 2022, 240, 113895.	2.1	8
3	Estrogenic activity and ecological risk of steroids, bisphenol A and phthalates after secondary and tertiary sewage treatment processes. Water Research, 2022, 214, 118189.	5.3	30
4	Anthropogenic activities influence the mobilization of trace metals and oxyanions in coastal sediment porewaters. Science of the Total Environment, 2022, 839, 156353.	3.9	11
5	Investigation on trace metal speciation and distribution in the Scheldt estuary. Science of the Total Environment, 2021, 757, 143827.	3.9	19
6	Speciation of Inorganic Compounds in Aquatic Systems Using Diffusive Gradients in Thin-Films: A Review. Frontiers in Chemistry, 2021, 9, 624511.	1.8	9
7	Human Biomonitoring Data Enables Evidence-Informed Policy to Reduce Internal Exposure to Persistent Organic Compounds: A Case Study. International Journal of Environmental Research and Public Health, 2021, 18, 5559.	1.2	5
8	Seeking for an optimal strategy to avoid arsenic and cadmium over-accumulation in crops: Soil management vs cultivar selection in a case study with maize. Chemosphere, 2021, 272, 129891.	4.2	16
9	Distribution and Sources of Carbon, Nitrogen and Their Isotopic Compositions in Tropical Estuarine Sediments of Mtoni, Tanzania. Ocean Science Journal, 2021, 56, 241-255.	0.6	5
10	Perfluorinated substances in the Flemish population (Belgium): Levels and determinants of variability in exposure. Chemosphere, 2020, 242, 125250.	4.2	51
11	Leaching of two northern France slag heaps: Influence on the surrounding aquatic environment. Environmental Pollution, 2020, 257, 113601.	3.7	2
12	Fine scale measurements in Belgian coastal sediments reveal different mobilization mechanisms for cationic trace metals and oxyanions. Environment International, 2020, 145, 106140.	4.8	18
13	Early-life exposure to multiple persistent organic pollutants and metals and birth weight: Pooled analysis in four Flemish birth cohorts. Environment International, 2020, 145, 106149.	4.8	20
14	Advances in Understanding Mobilization Processes of Trace Metals in Marine Sediments. Environmental Science & Technology, 2020, 54, 15151-15161.	4.6	17
15	Breastfeeding predicts blood mitochondrial DNA content in adolescents. Scientific Reports, 2020, 10, 387.	1.6	3
16	Trace metal speciation in North Sea coastal waters. Science of the Total Environment, 2019, 692, 701-712.	3.9	26
17	Arsenic enrichment in sediments and beaches of Brazilian coastal waters: A review. Science of the Total Environment, 2019, 681, 143-154.	3.9	50
18	Exposure to Environmental Pollutants and Their Association with Biomarkers of Aging: A Multipollutant Approach. Environmental Science & Technology, 2019, 53, 5966-5976.	4.6	41

#	Article	IF	Citations
19	In situ measurement of estrogenic activity in various aquatic systems using organic diffusive gradients in thin-film coupled with ERE-CALUX bioassay. Environment International, 2019, 127, 13-20.	4.8	25
20	Comparison of Chelex based resins in diffusive gradients in thin-film for high resolution assessment of metals. Talanta, 2018, 186, 397-405.	2.9	23
21	Arsenic speciation in fish and shellfish from the North Sea (Southern bight) and AÃ§u Port area (Brazil) and health risks related to seafood consumption. Chemosphere, 2018, 191, 89-96.	4.2	63
22	In situ measurements of micronutrient dynamics in open seawater show that complex dissociation rates may limit diatom growth. Scientific Reports, 2018, 8, 16125.	1.6	39
23	Cord blood leptin and insulin levels in association with mitochondrial DNA content. Journal of Translational Medicine, 2018, 16, 224.	1.8	9
24	Assessment of dioxin-like activity in PM10 air samples from an industrial location in Algeria, using the DRE-CALUX bioassay. Environmental Science and Pollution Research, 2017, 24, 11868-11877.	2.7	8
25	Three cycles of human biomonitoring in Flanders â˜' Time trends observed in the Flemish Environment and Health Study. International Journal of Hygiene and Environmental Health, 2017, 220, 36-45.	2.1	83
26	Phthalate-induced oxidative stress and association with asthma-related airway inflammation in adolescents. International Journal of Hygiene and Environmental Health, 2017, 220, 468-477.	2.1	70
27	Neonatal exposure to environmental pollutants and placental mitochondrial DNA content: A multi-pollutant approach. Environment International, 2017, 106, 60-68.	4.8	37
28	Metals, hormones and sexual maturation in Flemish adolescents in three cross-sectional studies (2002â€“2015). Environment International, 2017, 102, 190-199.	4.8	23
29	Radial metal concentration profiles in trees growing on highly contaminated soils. Chemosphere, 2017, 172, 80-88.	4.2	8
30	Estrogenic Activity Measurements in Water Using Diffusive Gradients in Thin-Film Coupled with an Estrogen Bioassay. Analytical Chemistry, 2017, 89, 13357-13364.	3.2	37
31	Human biomonitoring from an environmental justice perspective: supporting study participation of women of Turkish and Moroccan descent. Environmental Health, 2017, 16, 48.	1.7	6
32	Environmental exposure to human carcinogens in teenagers and the association with DNA damage. Environmental Research, 2017, 152, 165-174.	3.7	35
33	Transcriptome-wide analyses indicate mitochondrial responses to particulate air pollution exposure. Environmental Health, 2017, 16, 87.	1.7	22
34	Sex-Specific Associations between Particulate Matter Exposure and Gene Expression in Independent Discovery and Validation Cohorts of Middle-Aged Men and Women. Environmental Health Perspectives, 2017, 125, 660-669.	2.8	27
35	Combined Effects of Prenatal Exposures to Environmental Chemicals on Birth Weight. International Journal of Environmental Research and Public Health, 2016, 13, 495.	1.2	95
36	Investigating unmetabolized polycyclic aromatic hydrocarbons in adolescents' urine as biomarkers of environmental exposure. Chemosphere, 2016, 155, 48-56.	4.2	42

#	Article	IF	Citations
37	Metabolic targets of endocrine disrupting chemicals assessed by cord blood transcriptome profiling. Reproductive Toxicology, 2016, 65, 307-320.	1.3	15
38	Urinary t,t -muconic acid as a proxy-biomarker of car exhaust and neurobehavioral performance in 15-year olds. Environmental Research, 2016, 151, 521-527.	3.7	11
39	Internal exposure to organochlorine pollutants and cadmium and self-reported health status: A prospective study. International Journal of Hygiene and Environmental Health, 2015, 218, 232-245.	2.1	28
40	Two-dimensional images of dissolved sulfide and metals in anoxic sediments by a novel diffusive gradients in thin film probe and optical scanning techniques. TrAC - Trends in Analytical Chemistry, 2015, 66, 63-71.	5.8	57
41	Migration of diadromous and landlocked smelt populations studied by otolith geochemistry. Fisheries Research, 2015, 167, 123-131.	0.9	5
42	Distinct genotype-dependent differences in transcriptome responses in humans exposed to environmental carcinogens. Carcinogenesis, 2015, 36, 1154-1161.	1.3	17
43	Human exposure to endocrine disrupting chemicals and fertility: A caseâ€“control study in male subfertility patients. Environment International, 2015, 84, 154-160.	4.8	136
44	Neurobehavioral performance in adolescents is inversely associated with traffic exposure. Environment International, 2015, 75, 136-143.	4.8	55
45	Neurobehavioral function and low-level metal exposure in adolescents. International Journal of Hygiene and Environmental Health, 2015, 218, 139-146.	2.1	27
46	Expression of the sFLT1 Gene in Cord Blood Cells Is Associated to Maternal Arsenic Exposure and Decreased Birth Weight. PLoS ONE, 2014, 9, e92677.	1.1	31
47	Time-integrated monitoring of polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans (PCDD/Fs) in urban and industrial wastewaters using a ceramic toximeter and the CALUX bioassay. Chemosphere, 2014, 94, 27-35.	4.2	12
48	Health effects in the Flemish population in relation to low levels of mercury exposure: From organ to transcriptome level. International Journal of Hygiene and Environmental Health, 2014, 217, 239-247.	2.1	25
49	Prenatal exposure to environmental contaminants and body composition at age 7â€“9 years. Environmental Research, 2014, 132, 24-32.	3.7	61
50	Modelling metal speciation in the Scheldt Estuary: Combining a flexible-resolution transport model with empirical functions. Science of the Total Environment, 2014, 476-477, 346-358.	3.9	13
51	Determinants of bisphenol A and phthalate metabolites in urine of Flemish adolescents. Environmental Research, 2014, 134, 110-117.	3.7	47
52	Trace metal concentrations measured in blood and urine of adolescents in Flanders, Belgium: Reference population and case studies Genk-Zuid and Menen. International Journal of Hygiene and Environmental Health, 2014, 217, 515-527.	2.1	25
53	Trace metals in blood and urine of newborn/mother pairs, adolescents and adults of the Flemish population (2007â€“2011). International Journal of Hygiene and Environmental Health, 2014, 217, 878-890.	2.1	60
54	Monitoring chlorinated persistent organic pollutants in adolescents in Flanders (Belgium): Concentrations, trends and doseâ€“effect relationships (FLEHS II). Environment International, 2014, 71, 20-28.	4.8	35

#	Article	IF	Citations
55	Time-integrated monitoring of dioxin-like polychlorinated biphenyls (dl-PCBs) in aquatic environments using the ceramic toximeter and the CALUX bioassay. Talanta, 2014, 120, 413-418.	2.9	5
56	Daily variations of Zn and Pb concentrations in the DeÃ»le River in relation to the resuspension of heavily polluted sediments. Science of the Total Environment, 2014, 470-471, 600-607.	3.9	86
57	A novel method for the determination of dissolved methylmercury concentrations using diffusive gradients in thin films technique. Talanta, 2014, 120, 470-474.	2.9	37
58	Genderâ€specific transcriptomic response to environmental exposure in flemish adults. Environmental and Molecular Mutagenesis, 2013, 54, 574-588.	0.9	31
59	Biomarkers of human exposure to personal care products: Results from the Flemish Environment and Health Study (FLEHS 2007â€“2011). Science of the Total Environment, 2013, 463-464, 102-110.	3.9	59
60	Reproducibility of laser ablationâ€“inductively coupled plasmaâ€“mass spectrometry (LAâ€“ICPâ€“MS) measurements in mussel shells and comparison with micro-drill sampling and solution ICPâ€“MS. Talanta, 2013, 115, 6-14.	2.9	13
61	Connectivity between Migrating and Landlocked Populations of a Diadromous Fish Species Investigated Using Otolith Microchemistry. PLoS ONE, 2013, 8, e69796.	1.1	10
62	PCDD/F and Dioxin-Like PCB Determinations in Mtoni Estuarine Sediments (Tanzania) Using the Chemically Activated Luciferase Gene Expression (CALUX) Bioassay. Environment and Pollution, 2013, 2, .	0.2	8
63	Response of diffusive equilibrium in thin films (DET) and diffusive gradients in thin films (DGT) trace metal profiles in sediments to phytodetritus mineralisation. Environmental Chemistry, 2012, 9, 41.	0.7	12
64	Dioxin analysis in water by using a passive sampler and CALUX bioassay. Talanta, 2012, 88, 73-78.	2.9	9
65	Multiple testing of food contact materials: A predictive algorithm for assessing the global migration from silicone moulds. Talanta, 2012, 99, 161-166.	2.9	6
66	Neurobehavioral function and low-level exposure to brominated flame retardants in adolescents: a cross-sectional study. Environmental Health, 2012, 11, 86.	1.7	66
67	Social distribution of internal exposure to environmental pollution in Flemish adolescents. International Journal of Hygiene and Environmental Health, 2012, 215, 474-481.	2.1	26
68	Concept of the Flemish human biomonitoring programme. International Journal of Hygiene and Environmental Health, 2012, 215, 102-108.	2.1	95
69	Links between bacterial communities in marine sediments and trace metal geochemistry as measured by in situ DET/DGT approaches. Marine Pollution Bulletin, 2012, 64, 353-362.	2.3	22
70	Effect of bacterial mineralization of phytoplankton-derived phytodetritus on the release of arsenic, cobalt and manganese from muddy sediments in the Southern North Sea. A microcosm study. Science of the Total Environment, 2012, 419, 98-108.	3.9	32
71	Evidence of highly dynamic geochemical behaviour of zinc in the DeÃ»le river (northern France). Journal of Environmental Monitoring, 2011, 13, 2124.	2.1	7
72	Spectral interferences in the analysis of cadmium in human blood by ICP-MS: comparison between high resolution sector field ICP-MS and quadrupole ICP-MS. Journal of Analytical Atomic Spectrometry, 2011, 26, 1819.	1.6	13

#	Article	IF	Citations
73	Trace metal behaviour in riverine sediments: Role of organic matter and sulfides. Applied Geochemistry, 2011, 26, 80-90.	1.4	108
74	The CALUX bio-assay: Analytical comparison between mouse hepatoma cell lines with a low (H1L6.1c3) and high (H1L7.5c1) number of dioxin response elements. Talanta, 2011, 85, 2039-2046.	2.9	17
75	On the lability of dissolved Cu, Pb and Zn in freshwater: Optimization and application to the DeÃ»le (France). Talanta, 2011, 86, 91-98.	2.9	16
76	Synthesized mercaptopropyl nanoporous resins in DGT probes for determining dissolved mercury concentrations. Talanta, 2011, 87, 262-267.	2.9	51
77	Internal exposure to pollutants and sex hormone levels in Flemish male adolescents in a cross-sectional study: associations and doseâ€“response relationships. Journal of Exposure Science and Environmental Epidemiology, 2011, 21, 106-113.	1.8	34
78	Internal exposure to pollutants and sexual maturation in Flemish adolescents. Journal of Exposure Science and Environmental Epidemiology, 2011, 21, 224-233.	1.8	52
79	Sources of PCDD/Fs, non-ortho PCBs and PAHs in sediments of high and low impacted transboundary rivers (Belgiumâ€“France). Chemosphere, 2011, 85, 203-209.	4.2	37
80	Prevalence of at-risk genotypes for genotoxic effects decreases with age in a randomly selected population in Flanders: a cross sectional study. Environmental Health, 2011, 10, 85.	1.7	6
81	EXPOSURE TO ENVIRONMENTAL POLLUTION IN THE GENERAL FLEMISH POPULATION: RESULTS OF THE SECOND FLEMISH ENVIRONMENT AND HEALTH STUDY. ISEE Conference Abstracts, 2011, 2011, .	0.0	2
82	Distribution of Trace Elements in Sediments and Biota of Songkhla Lake, Southern Thailand. Water, Air, and Soil Pollution, 2010, 206, 155-174.	1.1	64
83	Mercury accumulation in fish species from the Persian Gulf and in human hair from fishermen. Environmental Monitoring and Assessment, 2010, 169, 203-216.	1.3	39
84	Opening the research agenda for selection of hot spots for human biomonitoring research in Belgium: a participatory research project. Environmental Health, 2010, 9, 33.	1.7	16
85	Internal exposure to pollutants and body size in Flemish adolescents and adults: Associations and doseâ€“response relationships. Environment International, 2010, 36, 330-337.	4.8	76
86	Policy interpretation of human biomonitoring research results in Belgium: priorities and complexity, politics and science. Environmental Policy and Governance, 2009, 19, 115-129.	2.1	15
87	Dietary exposure to total and toxic arsenic in Belgium: Importance of arsenic speciation in North Sea fish. Molecular Nutrition and Food Research, 2009, 53, 558-565.	1.5	38
88	Mercury speciation in the Persian Gulf sediments. Environmental Monitoring and Assessment, 2009, 157, 363-373.	1.3	17
89	Accumulation of trace metals in the muscle and liver tissues of five fish species from the Persian Gulf. Environmental Monitoring and Assessment, 2009, 157, 499-514.	1.3	187
90	Geochemical behavior of trace elements in sub-tidal marine sediments of the Belgian coast. Marine Chemistry, 2009, 117, 88-96.	0.9	99

#	Article	IF	Citations
91	Design of a sampling strategy to optimally calibrate a reactive transport model: Exploring the potential for Escherichia coli in the Scheldt Estuary. Environmental Modelling and Software, 2009, 24, 969-981.	1.9	8
92	The relation between the estimated dietary intake of PCDD/Fs and levels in blood in a Flemish population (50â€“65Âyears). Environment International, 2009, 35, 9-13.	4.8	8
93	Organochlorine and heavy metals in newborns: Results from the Flemish Environment and Health Survey (FLEHS 2002â€“2006). Environment International, 2009, 35, 1015-1022.	4.8	74
94	An accurate model for the determination of the kinetic coefficients of the copper-catalyzed oxidation of iodide by oxygen in an aqueous acidic medium. Talanta, 2009, 80, 1034-1038.	2.9	1
95	Pollutant effects on genotoxic parameters and tumor-associated protein levels in adults: a cross sectional study. Environmental Health, 2008, 7, 26.	1.7	42
96	Dietary exposure to dioxin-like compounds in three age groups: Results from the Flemish environment and health study. Chemosphere, 2008, 70, 584-592.	4.2	71
97	Multiplex Genotyping as a Biomarker for Susceptibility to Carcinogenic Exposure in the FLEHS Biomonitoring Study. Cancer Epidemiology Biomarkers and Prevention, 2008, 17, 1902-1912.	1.1	23
98	General nutrient distribution in the water column of Northern Lake Tanganyika. Aquatic Ecosystem Health and Management, 2008, 11, 8-15.	0.3	2
99	Monitoring environment, health and perception. An experimental survey on health and environment in Flanders, Belgium. International Journal of Global Environmental Issues, 2008, 8, 90.	0.1	13
100	Transcriptome Analysis in Peripheral Blood of Humans Exposed to Environmental Carcinogens: A Promising New Biomarker in Environmental Health Studies. Environmental Health Perspectives, 2008, 116, 1519-1525.	2.8	28
101	Organic matter and dissolved inorganic nitrogen distributions in estuarine muddy deposits. Aquatic Ecosystem Health and Management, 2007, 10, 69-85.	0.3	2
102	Bioassay (CALUX) measurements of 2,3,7,8-TCDD and PCB 126: Interference effects. Talanta, 2007, 73, 185-188.	2.9	7
103	Comment on: Paleoclimatic inference from stable isotope profiles of accretionary biogenic hardpartsâ€”a quantitative approach to the evaluation of incomplete data, by Wilkinson, B.H., Ivany, L.C., 2002. Palaeogeogr. Palaeocl. Palaeoecol. 185, 95â€“114. Palaeogeography, Palaeoclimatology, Palaeoecology, 2007, 248, 473-476.	1.0	7
104	Water mass distributions in the Southern Ocean derived from a parametric analysis of mixing water masses. Journal of Geophysical Research, 2007, 112, .	3.3	10
105	Association of Thyroid Hormone Concentrations with Levels of Organochlorine Compounds in Cord Blood of Neonates. Environmental Health Perspectives, 2007, 115, 1780-1786.	2.8	98
106	Estimation of heteroscedastic measurement noise variances. Chemometrics and Intelligent Laboratory Systems, 2007, 86, 130-138.	1.8	5
107	Statistical process control in assessing production and dissolution rates of biogenic silica in marine environments. Marine Chemistry, 2007, 106, 272-286.	0.9	13
108	Dioxin and Dioxin-Like Activity in Sediments of the Belgian Coastal Area (Southern North Sea). Archives of Environmental Contamination and Toxicology, 2007, 52, 317-325.	2.1	17

#	Article	IF	Citations
109	Total Mercury and Methyl Mercury Concentrations in Fish from the Persian Gulf and the Caspian Sea. Water, Air, and Soil Pollution, 2007, 181, 95-105.	1.1	67
110	Î´15N dynamics of ammonium and particulate nitrogen in a temperate eutrophic estuary. Biogeochemistry, 2007, 82, 1-14.	1.7	12
111	Inorganic Nitrogen Uptake and River Inputs in Northern Lake Tanganyika. Journal of Great Lakes Research, 2006, 32, 553-564.	0.8	8
112	Barium uptake into the shells of the common mussel (Mytilus edulis) and the potential for estuarine paleo-chemistry reconstruction. Geochimica Et Cosmochimica Acta, 2006, 70, 395-407.	1.6	163
113	A new automated setup for stable isotope analysis of dissolved organic carbon. Limnology and Oceanography: Methods, 2006, 4, 216-226.	1.0	40
114	High resolution profiles of trace metals in pore waters of marine and riverine sediments assessed by DET and DGT. Diqiu Huaxue, 2006, 25, 199-199.	0.5	0
115	Does essential trace elements influence the export production in oceans?. Diqiu Huaxue, 2006, 25, 276-276.	0.5	0
116	Speciation in Environmental Samples. Chromatographic Science, 2005, , 743-778.	0.1	1
117	Mercury in environmental samples: Speciation, artifacts and validation. TrAC - Trends in Analytical Chemistry, 2005, 24, 383-393.	5.8	404
118	Validation of a dynamic ammonium extraction technique for the determination of 15N at enriched abundances. Analytica Chimica Acta, 2005, 554, 113-122.	2.6	9
119	Model selection through a statistical analysis of the minimum of a weighted least squares cost function. Chemometrics and Intelligent Laboratory Systems, 2005, 76, 163-173.	1.8	21
120	Inter- and intra-annual variations of Pb/Ca ratios in clam shells (Mercenaria mercenaria): A record of anthropogenic lead pollution?. Marine Pollution Bulletin, 2005, 50, 1530-1540.	2.3	65
121	Refined parameter and uncertainty estimation when both variables are subject to error. Case study: estimation of Si consumption and regeneration rates in a marine environment. Journal of Marine Systems, 2005, 55, 205-221.	0.9	12
122	Correlations, partitioning and bioaccumulation of heavy metals between different compartments of Lake Balaton. Science of the Total Environment, 2005, 341, 211-226.	3.9	76
123	Validation and Interpretation of CALUX as a Tool for the Estimation of Dioxin-Like Activity in Marine Biological Matrixes. Environmental Science & Technology, 2005, 39, 1741-1748.	4.6	41
124	Assessing the reproducibility and reliability of estuarine bivalve shells (Saxidomus giganteus) for sea surface temperature reconstruction: Implications for paleoclimate studies. Palaeogeography, Palaeoclimatology, Palaeoecology, 2005, 228, 70-85.	1.0	113
125	Chemically Activated Luciferase Gene Expression (CALUX) Cell Bioassay Analysis for the Estimation of Dioxin-Like Activity:Â Critical Parameters of the CALUX Procedure that Impact Assay Results. Environmental Science & Technology, 2005, 39, 7357-7364.	4.6	96
126	Reliability of N flux rates estimated from15N enrichment and dilution experiments in aquatic systems. Global Biogeochemical Cycles, 2005, 19, n/a-n/a.	1.9	11

#	Article	IF	Citations
127	Strong biological controls on Sr/Ca ratios in aragonitic marine bivalve shells. Geochemistry, Geophysics, Geosystems, 2005, 6, n/a-n/a.	1.0	184
128	Spatial and temporal trends in nutrient concentrations in the Belgian Continental area of the North Sea during the period 1993â€“2000. Estuarine, Coastal and Shelf Science, 2004, 61, 517-528.	0.9	25
129	The North Sea: source or sink for nitrogen and phosphorus to the Atlantic Ocean?. Biogeochemistry, 2004, 68, 277-296.	1.7	44
130	Variability in the origin of carbon substrates for bacterial communities in mangrove sediments. FEMS Microbiology Ecology, 2004, 49, 171-179.	1.3	57
131	Regional variation of spring N-uptake and new production in the Southern Ocean. Geophysical Research Letters, 2004, 31, .	1.5	37
132	Decoding nonlinear growth rates in biogenic environmental archives. Geochemistry, Geophysics, Geosystems, 2004, 5, n/a-n/a.	1.0	22
133	Study of the interference problems of dioxin-like chemicals with the bio-analytical method CALUX. Talanta, 2004, 63, 1261-1268.	2.9	23
134	Elucidation of sources, pathways and fate of dioxins, furans and PCBs requires performant analysis techniques. Talanta, 2004, 63, 1095-1100.	2.9	7
135	Contrasting nitrogen uptake by diatom and Phaeocystis-dominated phytoplankton assemblages in the North Sea. Journal of Experimental Marine Biology and Ecology, 2003, 292, 19-41.	0.7	44
136	N uptake conditions during summer in the Subantarctic and Polar Frontal Zones of the Australian sector of the Southern Ocean. Journal of Geophysical Research, 2002, 107, 3-1.	3.3	32
137	Trace contamination with dioxin-like chemicals: evaluation of bioassay-based TEQ determination for hazard assessment and regulatory responses. Environmental Science and Policy, 2001, 4, 345-357.	2.4	33
138	Seasonal Variations in Sediment Sulfur Cycling in the Ballastplaat Mudflat, Belgium. Estuaries and Coasts, 2001, 24, 257.	1.7	20
139	High resolution distribution of trace elements in the calcite shell layer of modern mytilus edulis: environmental and biological controls. Geochimica Et Cosmochimica Acta, 2000, 64, 997-1011.	1.6	300
140	Quantitative in situ microanalysis of minor and trace elements in biogenic calcite using infrared laser ablation â€“ inductively coupled plasma mass spectrometry: a critical evaluation. Analytica Chimica Acta, 1999, 378, 261-272.	2.6	51
141	Improved estimation of f-ratio in natural phytoplankton assemblages. Deep-Sea Research Part I: Oceanographic Research Papers, 1999, 46, 1793-1808.	0.6	8
142	Influence of Sediment Preservation on Total Mercury and Methylmercury Analyses. Water, Air, and Soil Pollution, 1998, 107, 277-288.	1.1	15
143	General description of the Scheldt estuary. , 1998, , 1-14.		33
144	Evolution of trace metal concentrations in the Scheldt estuary (1978â€“1995). A comparison with estuarine and ocean levels. , 1998, , 157-167.		15

#	Article	IF	Citations
145	Biogeochemical behaviour of Cd, Cu, Pb and Zn in the Scheldt estuary during the period 1981â€“1983. , 1998, , 15-44.		8
146	The biogeochemical behaviour of Cd, Cu, Pb and Zn in the Scheldt estuary: results of the 1995 surveys. , 1998, , 45-62.		6
147	Behaviour and speciation of mercury in the Scheldt estuary (water, sediments and benthic organisms). , 1998, , 63-79.		3
148	Effect of organic complexation on the behaviour of dissolved Cd, Cu and Zn in the Scheldt estuary. , 1998, , 81-90.		2
149	A box-model of metal flows through the Scheldt estuary (1981â€“1983 and 1992â€“1995). , 1998, , 109-128.		2
150	The impact of the Scheldt input on the trace metal distribution in the Belgian coastal area (results of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf		2
151	Contribution of nitrate to the uptake of nitrogen by phytoplankton in an ocean margin environment. Hydrobiologia, 1997, 353, 139-152.	1.0	23
152	Title is missing!. Hydrobiologia, 1997, 366, 45-62.	1.0	34
153	Behaviour and speciation of mercury in the Scheldt estuary (water, sediments and benthic organisms). Hydrobiologia, 1997, 366, 63-79.	1.0	55
154	Title is missing!. Hydrobiologia, 1997, 366, 91-108.	1.0	15
155	Title is missing!. Hydrobiologia, 1997, 366, 157-167.	1.0	31
156	General description of the Scheldt estuary. Hydrobiologia, 1997, 366, 1-14.	1.0	116
157	Biogeochemical behaviour of Cd, Cu, Pb and Zn in the Scheldt estuary during the period 1981â€“1983. Hydrobiologia, 1997, 366, 15-44.	1.0	43
158	Effect of organic complexation on the behaviour of dissolved Cd, Cu and Zn in the Scheldt estuary. Hydrobiologia, 1997, 366, 81-90.	1.0	35
159	A box-model of metal flows through the Scheldt estuary (1981â€“1983 and 1992â€“1995). Hydrobiologia, 1997, 366, 109-128.	1.0	17
160	Comparative study of microwave-induced plasma atomic emission spectrometry and atomic fluorescence spectrometry as gas-chromatographic detectors for the determination of methylmercury in biological samples. Applied Organometallic Chemistry, 1993, 7, 45-51.	1.7	16
161	Speciation of mercury in different compartments of the environment. TrAC - Trends in Analytical Chemistry, 1992, 11, 245-254.	5.8	68
162	Evaluation of gas chromatographic columns for the determination of methylmercury in aqueous head space extracts from biological samples. Journal of Chromatography A, 1991, 586, 329-340.	1.8	23

#	Article	IF	Citations
163	Determination of methylmercury in fish by headspace-gas chromatography with microwave-induced-plasma detection. Water, Air, and Soil Pollution, 1991, 56, 103-115.	1.1	38
164	Determination of methylmercury in natural waters by headspace gas chromatography with microwave-induced plasma detection after preconcentration on a resin containing dithiocarbamate groups. Analytica Chimica Acta, 1990, 234, 417-424.	2.6	55
165	Improvement of the semiautomated headspace analysis method for the determination of methylmercury in biological samples. Analytica Chimica Acta, 1990, 228, 93-99.	2.6	52
166	Long-term stability of methylmercury standard solutions in distilled, deionized water. Analytica Chimica Acta, 1990, 229, 281-285.	2.6	42
167	Determination of metallic mercury and some organomercury compounds using atomic absorption spectrometry after amalgamation on a gold column. Journal of Analytical Atomic Spectrometry, 1989, 4, 635.	1.6	27
168	Determination of barium in sea water by cation- exchange separation and electrothermal atomic absorption spectrometry. Analytica Chimica Acta, 1987, 196, 33-40.	2.6	14
169	Preparation method for solid samples with low nitrogen content for spectrometric nitrogen-15 analysis. Analyst, The, 1985, 110, 135.	1.7	7
170	Determination of methylmercury in biological samples by semiautomated headspace analysis. Analytical Chemistry, 1985, 57, 2788-2791.	3.2	53
171	Dynamic patterns of dissolved nitrogen in the Southern Bight of the North Sea. Estuarine, Coastal and Shelf Science, 1984, 18, 499-510.	0.9	11