Etinne Lm Vermeirssen

List of Publications by Citations

67 papers	3,074 citations	35 h-index	54 g-index
68 ext. papers	3,462 ext. citations	7 avg, IF	4.99 L-index

#	Paper	IF	Citations
67	Calibration and use of the polar organic chemical integrative sampler--a critical review. *Environmental Toxicology and Chemistry*, **2012**, 31, 2724-38	3.8	205
66	Towards the review of the European Union Water Framework Directive: Recommendations for more efficient assessment and management of chemical contamination in European surface water resources. *Science of the Total Environment*, **2017**, 576, 720-737	10.2	196
65	The European technical report on aquatic effect-based monitoring tools under the water framework directive. *Environmental Sciences Europe*, **2015**, 27,		151
64	Effect-based trigger values for in vitro and in vivo bioassays performed on surface water extracts supporting the environmental quality standards (EQS) of the European Water Framework Directive. *Science of the Total Environment*, **2018**, 628-629, 748-765	10.2	124
63	Toxic equivalent concentrations (TEQs) for baseline toxicity and specific modes of action as a tool to improve interpretation of ecotoxicity testing of environmental samples. *Journal of Environmental Monitoring*, **2008**, 10, 612-21		116
62	Characterization of environmental estrogens in river water using a three pronged approach: active and passive water sampling and the analysis of accumulated estrogens in the bile of caged fish. *Environmental Science & Technology*, **2005**, 39, 8191-8	10.3	105
61	Transfer kinetics of polar organic compounds over polyethersulfone membranes in the passive samplers POCIS and Chemcatcher. *Environmental Science & Technology*, **2012**, 46, 6759-66	10.3	101
60	Excretion of free and conjugated steroids in rainbow trout (Oncorhynchus mykiss): evidence for branchial excretion of the maturation-inducing steroid, 17,20 beta-dihydroxy-4-pregnen-3-one. *General and Comparative Endocrinology*, **1996**, 101, 180-94	3	100
59	Passive sampling combined with ecotoxicological and chemical analysis of pharmaceuticals and biocides - evaluation of three Chemcatcher configurations. *Water Research*, **2009**, 43, 903-14	12.5	96
58	Evaluation of in-situ calibration of Chemcatcher passive samplers for 322 micropollutants in agricultural and urban affected rivers. *Water Research*, **2015**, 71, 306-17	12.5	86
57	Paternity in mallards: effects of sperm quality and female sperm selection for inbreeding avoidance. *Behavioral Ecology*, **2005**, 16, 825-833	2.3	84
56	Controlled field evaluation of water flow rate effects on sampling polar organic compounds using polar organic chemical integrative samplers. *Environmental Toxicology and Chemistry*, **2010**, 29, 2461-9	3.8	80
55	Position paper on passive sampling techniques for the monitoring of contaminants in the aquatic environment Achievements to date and perspectives. *Trends in Environmental Analytical Chemistry*, **2015**, 8, 20-26	12	74
54	Characterization of the estrogenicity of Swiss midland rivers using a recombinant yeast bioassay and plasma vitellogenin concentrations in feral male brown trout. *Environmental Toxicology and Chemistry*, **2005**, 24, 2226-33	3.8	70
53	Bioassay battery interlaboratory investigation of emerging contaminants in spiked water extracts - Towards the implementation of bioanalytical monitoring tools in water quality assessment and monitoring. *Water Research*, **2016**, 104, 473-484	12.5	62
52	Effect-based and chemical analytical methods to monitor estrogens under the European Water Framework Directive. *TrAC - Trends in Analytical Chemistry*, **2018**, 102, 225-235	14.6	61
51	Assessment of estrogenic exposure in brown trout (Salmo trutta) in a Swiss midland river: integrated analysis of passive samplers, wild and caged fish, and vitellogenin mRNA and protein. *Environmental Toxicology and Chemistry*, **2006**, 25, 2077-86	3.8	61

50	Monitoring of the ecotoxicological hazard potential by polar organic micropollutants in sewage treatment plants and surface waters using a mode-of-action based test battery. *Journal of Environmental Monitoring*, **2008**, 10, 622-31		60
49	Urine of reproductively mature female rainbow trout, Oncorhynchus mykiss (Walbaum), contains a priming pheromone which enhances plasma levels of sex steroids and gonadotrophin II in males. *Journal of Fish Biology*, **1994**, 44, 131-147	1.9	60
48	Fertility and motility of sperm from Atlantic halibut (Hippoglossus hippoglossus) in relation to dose and timing of gonadotrophin-releasing hormone agonist implant. *Aquaculture*, **2004**, 230, 547-567	4.4	56
47	Combining passive samplers and biomonitors to evaluate endocrine disrupting compounds in a wastewater treatment plant by LC/MS/MS and bioassay analyses. *Environmental Pollution*, **2009**, 157, 2716-21	9.3	55
46	Effect-based tools for monitoring estrogenic mixtures: Evaluation of five in vitro bioassays. *Water Research*, **2017**, 110, 378-388	12.5	52
45	Changes in plasma gonadotropin II and sex steroid hormones, and sperm production of striped bass after treatment with controlled-release gonadotropin-releasing hormone agonist-delivery systems. *Biology of Reproduction*, **1997**, 57, 669-75	3.9	52
44	Gonadotrophin-releasing hormone agonist stimulates milt fluidity and plasma concentrations of 17,20beta-dihydroxylated and 5beta-reduced, 3alpha-hydroxylated C21 steroids in male plaice (Pleuronectes platessa). *General and Comparative Endocrinology*, **1998**, 112, 163-77	3	51
43	The role of hydrodynamics, matrix and sampling duration in passive sampling of polar compounds with Empore SDB-RPS disks. *Journal of Environmental Monitoring*, **2008**, 10, 119-28		47
42	Screening and risk management solutions for steroidal estrogens in surface and wastewater. *TrAC - Trends in Analytical Chemistry*, **2018**, 102, 343-358	14.6	46
41	Gonadotrophin-releasing hormone agonist raises plasma concentrations of progestogens and enhances milt fluidity in male Atlantic halibut (Hippoglossus hippoglossus). *Fish Physiology and Biochemistry*, **2000**, 22, 77-87	2.7	46
40	Uptake and release kinetics of 22 polar organic chemicals in the Chemcatcher passive sampler. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 5225-36	4.4	44
39	Calibration and field application of passive sampling for episodic exposure to polar organic pesticides in streams. *Environmental Pollution*, **2014**, 194, 196-202	9.3	42
38	An interlaboratory study on passive sampling of emerging water pollutants. *TrAC - Trends in Analytical Chemistry*, **2016**, 76, 153-165	14.6	39
37	Corrosion protection products as a source of bisphenol A and toxicity to the aquatic environment. *Water Research*, **2017**, 123, 586-593	12.5	39
36	Passive sampling of perfluorinated chemicals in water: flow rate effects on chemical uptake. *Environmental Pollution*, **2013**, 177, 58-63	9.3	39
35	Picogram per liter detections of pyrethroids and organophosphates in surface waters using passive sampling. *Water Research*, **2014**, 66, 411-422	12.5	38
34	Estrogenicity patterns in the Swiss midland river Lützelmurg in relation to treated domestic sewage effluent discharges and hydrology. *Environmental Toxicology and Chemistry*, **2006**, 25, 2413-22	3.8	38
33	Early life exposure to PCB126 results in delayed mortality and growth impairment in the zebrafish larvae. *Aquatic Toxicology*, **2015**, 169, 168-78	5.1	35

32	Linking toxicity in algal and bacterial assays with chemical analysis in passive samplers deployed in 21 treated sewage effluents. *Environmental Toxicology and Chemistry*, **2010**, 29, 2575-82	3.8	35
31	Plasma steroids in mature common dentex (Dentex dentex) stimulated with a gonadotropin-releasing hormone agonist. *General and Comparative Endocrinology*, **2001**, 123, 1-12	3	30
30	Use of a radioimmunoassay which detects C21 steroids with a 17, 20beta-dihydroxyl configuration to identify and measure steroids involved in final oocyte maturation in female plaice (Pleuronectes platessa). *General and Comparative Endocrinology*, **1997**, 105, 62-70	3	28
29	Passive sampling of perfluorinated chemicals in water: in-situ calibration. *Environmental Pollution*, **2014**, 186, 98-103	9.3	26
28	Bioavailability of estrogenic compounds from sediment in the context of flood events evaluated by passive sampling. *Water Research*, **2019**, 161, 540-548	12.5	22
27	Effect of water velocity on the uptake of polychlorinated biphenyls (PCBs) by silicone rubber (SR) and low-density polyethylene (LDPE) passive samplers: an assessment of the efficiency of performance reference compounds (PRCs) in river-like flow conditions. *Science of the Total*	10.2	22
26	Use of a radioimmunoassay which detects C21 steroids with a 5beta-reduced, 3alpha-hydroxylated configuration to identify and measure steroids involved in final oocyte maturation in female plaice (Pleuronectes platessa). *General and Comparative Endocrinology*, **1997**, 105, 50-61	3	21
25	Passive samplers in sewers and rivers with highly fluctuating micropollutant concentrations - Better than we thought. *Journal of Hazardous Materials*, **2019**, 361, 312-320	12.8	20
24	Intersex in feral brown trout from Swiss midland rivers. *Journal of Fish Biology*, **2005**, 67, 1734-1740	1.9	20
23	Deriving bio-equivalents from in vitro bioassays: assessment of existing uncertainties and strategies to improve accuracy and reporting. *Environmental Toxicology and Chemistry*, **2013**, 32, 1906-17	3.8	19
22	Validation of Arxula Yeast Estrogen Screen assay for detection of estrogenic activity in water samples: Results of an international interlaboratory study. *Science of the Total Environment*, **2018**, 621, 612-625	10.2	19
21	Passive sampling of organic contaminants across the water-sediment interface of an urban stream. *Water Research*, **2019**, 165, 114966	12.5	17
20	Simultaneous multi-residue pesticide analysis in soil samples with ultra-high-performance liquid chromatography–tandem mass spectrometry using QuEChERS and pressurised liquid extraction methods. *International Journal of Environmental Analytical Chemistry*, **2014**, 94, 1085-1099	1.8	16
19	Solid-phase extraction of estrogens and herbicides from environmental waters for bioassay analysis-effects of sample volume on recoveries. *Analytical and Bioanalytical Chemistry*, **2019**, 411, 2057-2069	4.4	15
18	Experimentally Elevated Plasma Testosterone Levels Do Not Influence Singing Behaviour of Male Blue Tits (Parus caeruleus) During the Early Breeding Season. *Ethology*, **2006**, 112, 984-992	1.7	15
17	Passive samplers to quantify micropollutants in sewer overflows: accumulation behaviour and field validation for short pollution events. *Water Research*, **2019**, 160, 350-360	12.5	14
16	The sediment-contact test using the ostracod Heterocypris incongruens: Effect of fine sediments and determination of toxicity thresholds. *Chemosphere*, **2016**, 151, 220-4	8.4	14
15	Reproductive health of brown trout inhabiting Swiss rivers with declining fish catch. *Aquatic Sciences*, **2007**, 69, 26-40	2.5	14

List of Publications

14	Prolonged-release gonadotrophin-releasing hormone analogue implants enhance oocyte final maturation and ovulation, and increase plasma concentrations of sulphated C21steroids in North Sea plaice. *Journal of Fish Biology*, **1999**, 55, 316-328	1.9	14
13	Effects of treated wastewater on the ecotoxicity of small streams - Unravelling the contribution of chemicals causing effects. *PLoS ONE*, **2019**, 14, e0226278	3.7	13
12	Estrogens in Swiss Rivers and Effluents Sampling Matters. *Chimia*, **2008**, 62, 389-394	1.3	12
11	Ecotoxicological Assessment of Immersion Samples from Facade Render Containing Free or Encapsulated Biocides. *Environmental Toxicology and Chemistry*, **2018**, 37, 2246-2256	3.8	10
10	Low density polyethylene (LDPE) passive samplers for the investigation of polychlorinated biphenyl (PCB) point sources in rivers. *Chemosphere*, **2015**, 118, 268-76	8.4	8
9	No additive genetic variance for tolerance to ethynylestradiol exposure in natural populations of brown trout (). *Evolutionary Applications*, **2019**, 12, 940-950	4.8	7
8	Estrogenic activity of food contact materials-evaluation of 20 chemicals using a yeast estrogen screen on HPTLC or 96-well plates. *Analytical and Bioanalytical Chemistry*, **2020**, 412, 4527-4536	4.4	7
7	Estrogenicity of chemical mixtures revealed by a panel of bioassays. *Science of the Total Environment*, **2021**, 785, 147284	10.2	6
6	Female rainbow trout urine contains a pheromone which causes a rapid rise in plasma 17,20dihydroxy-4-pregnen-3-one levels and milt amounts in males. *Journal of Fish Biology*, **1997**, 50, 107-119	1.9	5
5	Sex-specific changes in gene expression in response to estrogen pollution around the onset of sex differentiation in grayling (Salmonidae). *BMC Genomics*, **2019**, 20, 583	4.5	4
4	Wastewater alters feeding rate but not vitellogenin level of Gammarus fossarum (Amphipoda). *Science of the Total Environment*, **2019**, 657, 1246-1252	10.2	4
3	Comparative Evaluation of the Polar Organic Chemical Integrative Sampler in Two Types of Validation Systems Simulating Peak Concentration Events. *Environmental Toxicology and Chemistry*, **2021**, 40, 3010-3018	3.8	3
2	Sampling rates for passive samplers exposed to a field-relevant peak of 42 organic pesticides. *Science of the Total Environment*, **2020**, 740, 140376	10.2	2
1	Biological effect and chemical monitoring of Watch List substances in European surface waters: Steroidal estrogens and diclofenac - Effect-based methods for monitoring frameworks.. *Environment International*, **2022**, 159, 107033	12.9	1