

# EtiÃ«nne Lm Vermeirssen

## List of Publications by Year in descending order

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67  
papers

3,848  
citations

101384

36  
h-index

123241

61  
g-index

69  
all docs

69  
docs citations

69  
times ranked

3337  
citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>Science of the Total Environment</i> , 2017, 576, 720-737.	3.9	255
2	Calibration and use of the polar organic chemical integrative samplerâ€”a critical review. <i>Environmental Toxicology and Chemistry</i> , 2012, 31, 2724-2738.	2.2	247
3	The European technical report on aquatic effect-based monitoring tools under the water framework directive. <i>Environmental Sciences Europe</i> , 2015, 27, .	11.0	196
4	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. <i>Science of the Total Environment</i> , 2018, 628-629, 748-765.	3.9	176
5	Toxic equivalent concentrations (TEQs) for baseline toxicity and specific modes of action as a tool to improve interpretation of ecotoxicity testing of environmental samples. <i>Journal of Environmental Monitoring</i> , 2008, 10, 612.	2.1	136
6	Transfer Kinetics of Polar Organic Compounds over Polyethersulfone Membranes in the Passive Samplers Pocs and Chemcatcher. <i>Environmental Science &amp; Technology</i> , 2012, 46, 6759-6766.	4.6	129
7	Evaluation of in-situ calibration of Chemcatcher passive samplers for 322 micropollutants in agricultural and urban affected rivers. <i>Water Research</i> , 2015, 71, 306-317.	5.3	125
8	Characterization of Environmental Estrogens in River Water Using a Three Pronged Approach:Â Active and Passive Water Sampling and the Analysis of Accumulated Estrogens in the Bile of Caged Fish. <i>Environmental Science &amp; Technology</i> , 2005, 39, 8191-8198.	4.6	115
9	Excretion of Free and Conjugated Steroids in Rainbow Trout ( <i>Oncorhynchus mykiss</i> ): Evidence for Branchial Excretion of the Maturation-Inducing Steroid, 17,20 <sup>12</sup> -Dihydroxy-4-pregnen-3-one. <i>General and Comparative Endocrinology</i> , 1996, 101, 180-194.	0.8	111
10	Passive sampling combined with ecotoxicological and chemical analysis of pharmaceuticals and biocides â€” evaluation of three Chemcatcherâ„¢ configurations. <i>Water Research</i> , 2009, 43, 903-914.	5.3	110
11	Paternity in mallards: effects of sperm quality and female sperm selection for inbreeding avoidance. <i>Behavioral Ecology</i> , 2005, 16, 825-833.	1.0	92
12	Controlled field evaluation of water flow rate effects on sampling polar organic compounds using polar organic chemical integrative samplers. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 2461-2469.	2.2	92
13	Position paper on passive sampling techniques for the monitoring of contaminants in the aquatic environment â€” Achievements to date and perspectives. <i>Trends in Environmental Analytical Chemistry</i> , 2015, 8, 20-26.	5.3	92
14	Effect-based and chemical analytical methods to monitor estrogens under the European Water Framework Directive. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 102, 225-235.	5.8	82
15	CHARACTERIZATION OF THE ESTROGENICITY OF SWISS MIDLAND RIVERS USING A RECOMBINANT YEAST BIOASSAY AND PLASMA VITELLOGENIN CONCENTRATIONS IN FERAL MALE BROWN TROUT. <i>Environmental Toxicology and Chemistry</i> , 2005, 24, 2226.	2.2	74
16	Bioassay battery interlaboratory investigation of emerging contaminants in spiked water extracts â€” Towards the implementation of bioanalytical monitoring tools in water quality assessment and monitoring. <i>Water Research</i> , 2016, 104, 473-484.	5.3	71
17	Urine of reproductively mature female rainbow trout, <i>Oncorhynchus mykiss</i> (Walbaum), contains a priming pheromone which enhances plasma levels of sex steroids and gonadotrophin II in males. <i>Journal of Fish Biology</i> , 1994, 44, 131-147.	0.7	70
18	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. <i>Journal of Environmental Monitoring</i> , 2008, 10, 622.	2.1	68

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19	Screening and risk management solutions for steroidal estrogens in surface and wastewater. TrAC - Trends in Analytical Chemistry, 2018, 102, 343-358.	5.8	68
20	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.	2.2	65
21	Effect-based tools for monitoring estrogenic mixtures: Evaluation of five inÂvitro bioassays. Water Research, 2017, 110, 378-388.	5.3	64
22	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.	1.7	62
23	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, 2716-2721.	3.7	60
24	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 Systems1. Biology of Reproduction, 1997, 57, 669-675.	1.2	58
25	Gonadotrophin-Releasing Hormone Agonist Stimulates Milt Fluidity and Plasma Concentrations of 17,20Î²-Dihydroxylated and 5Î²-Reduced, 3Î±-Hydroxylated C21Steroids in Male Plaice (Pleuronectes platessa). General and Comparative Endocrinology, 1998, 112, 163-177.	0.8	58
26	Title is missing!. Fish Physiology and Biochemistry, 2000, 22, 77-87.	0.9	58
27	The role of hydrodynamics, matrix and sampling duration in passive sampling of polar compounds with Emporeâ„¢ SDB-RPS disks. Journal of Environmental Monitoring, 2008, 10, 119-128.	2.1	58
28	Uptake and release kinetics of 22 polar organic chemicals in the Chemcatcher passive sampler. Analytical and Bioanalytical Chemistry, 2013, 405, 5225-5236.	1.9	52
29	Corrosion protection products as a source of bisphenol A and toxicity to the aquatic environment. Water Research, 2017, 123, 586-593.	5.3	51
30	An interlaboratory study on passive sampling of emerging water pollutants. TrAC - Trends in Analytical Chemistry, 2016, 76, 153-165.	5.8	50
31	Passive sampling of perfluorinated chemicals in water: Flow rate effects on chemical uptake. Environmental Pollution, 2013, 177, 58-63.	3.7	48
32	Early life exposure to PCB126 results in delayed mortality and growth impairment in the zebrafish larvae. Aquatic Toxicology, 2015, 169, 168-178.	1.9	47
33	Picogram per liter detections of pyrethroids and organophosphates in surface waters using passive sampling. Water Research, 2014, 66, 411-422.	5.3	45
34	Calibration and field application of passive sampling for episodic exposure to polar organic pesticides in streams. Environmental Pollution, 2014, 194, 196-202.	3.7	43
35	ESTROGENICITY PATTERNS IN THE SWISS MIDLAND RIVER LÃœTZELMURG IN RELATION TO TREATED DOMESTIC SEWAGE EFFLUENT DISCHARGES AND HYDROLOGY. Environmental Toxicology and Chemistry, 2006, 25, 2413.	2.2	40
36	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, 2575-2582.	2.2	39

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37	Passive sampling of perfluorinated chemicals in water: In-situ calibration. <i>Environmental Pollution</i> , 2014, 186, 98-103.	3.7	34
38	Plasma Steroids in Mature Common Dentex ( <i>Dentex dentex</i> ) Stimulated with a Gonadotropin-Releasing Hormone Agonist. <i>General and Comparative Endocrinology</i> , 2001, 123, 1-12.	0.8	32
39	Validation of Arxula Yeast Estrogen Screen assay for detection of estrogenic activity in water samples: Results of an international interlaboratory study. <i>Science of the Total Environment</i> , 2018, 621, 612-625.	3.9	32
40	Passive samplers in sewers and rivers with highly fluctuating micropollutant concentrations â€“ Better than we thought. <i>Journal of Hazardous Materials</i> , 2019, 361, 312-320.	6.5	31
41	Use of a Radioimmunoassay Which Detects C21Steroids with a 17,20Î²-Dihydroxyl Configuration to Identify and Measure Steroids Involved in Final Oocyte Maturation in Female Plaice ( <i>Pleuronectes</i> ) Tj ETQq1 1 0.784314 rgBTj Overload	0.8	24
42	Bioavailability of estrogenic compounds from sediment in the context of flood events evaluated by passive sampling. <i>Water Research</i> , 2019, 161, 540-548.	5.3	29
43	Biological effect and chemical monitoring of Watch List substances in European surface waters: Steroidal estrogens and diclofenac â€“ Effect-based methods for monitoring frameworks. <i>Environment International</i> , 2022, 159, 107033.	4.8	28
44	Deriving bioâ€“equivalents from in vitro bioassays: Assessment of existing uncertainties and strategies to improve accuracy and reporting. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 1906-1917.	2.2	27
45	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. <i>Science of the Total Environment</i> , 2014, 499, 319-326.	3.9	26
46	Simultaneous multi-residue pesticide analysis in soil samples with ultra-high-performance liquid chromatographyâ€“tandem mass spectrometry using QuEChERS and pressurised liquid extraction methods. <i>International Journal of Environmental Analytical Chemistry</i> , 2014, 94, 1085-1099.	1.8	26
47	Passive sampling of organic contaminants across the water-sediment interface of an urban stream. <i>Water Research</i> , 2019, 165, 114966.	5.3	26
48	Passive samplers to quantify micropollutants in sewer overflows: accumulation behaviour and field validation for short pollution events. <i>Water Research</i> , 2019, 160, 350-360.	5.3	26
49	Use of a Radioimmunoassay Which Detects C21Steroids with a 5Î²-Reduced, 3Î±-Hydroxylated Configuration to Identify and Measure Steroids Involved in Final Oocyte Maturation in Female Plaice ( <i>Pleuronectes platessa</i> ). <i>General and Comparative Endocrinology</i> , 1997, 105, 50-61.	0.8	24
50	Effects of treated wastewater on the ecotoxicity of small streams â€“ Unravelling the contribution of chemicals causing effects. <i>PLoS ONE</i> , 2019, 14, e0226278.	1.1	23
51	Intersex in feral brown trout from Swiss midland rivers. <i>Journal of Fish Biology</i> , 2005, 67, 1734-1740.	0.7	22
52	Solid-phase extraction of estrogens and herbicides from environmental waters for bioassay analysisâ€“effects of sample volume on recoveries. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 2057-2069.	1.9	21
53	Estrogenicity of chemical mixtures revealed by a panel of bioassays. <i>Science of the Total Environment</i> , 2021, 785, 147284.	3.9	19
54	The sediment-contact test using the ostracod <i>Heterocypris incongruens</i> : Effect of fine sediments and determination of toxicity thresholds. <i>Chemosphere</i> , 2016, 151, 220-224.	4.2	18

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55	Ecotoxicological Assessment of Immersion Samples from Facade Render Containing Free or Encapsulated Biocides. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 2246-2256.	2.2	18
56	Reproductive health of brown trout inhabiting Swiss rivers with declining fish catch. <i>Aquatic Sciences</i> , 2007, 69, 26-40.	0.6	16
57	Experimentally Elevated Plasma Testosterone Levels Do Not Influence Singing Behaviour of Male Blue Tits ( <i>Parus caeruleus</i> ) During the Early Breeding Season. <i>Ethology</i> , 2006, 112, 984-992.	0.5	15
58	Estrogens in Swiss Rivers and Effluents â€“ Sampling Matters. <i>Chimia</i> , 2008, 62, 389-394.	0.3	15
59	Sampling rates for passive samplers exposed to a field-relevant peak of 42 organic pesticides. <i>Science of the Total Environment</i> , 2020, 740, 140376.	3.9	15
60	Female rainbow trout urine contains a pheromone which causes a rapid rise in plasma 17,20Î²-dihydroxy-4-pregnen-3-one levels and milt amounts in males. <i>Journal of Fish Biology</i> , 1997, 50, 107-119.	0.7	15
61	Prolonged-release gonadotrophin-releasing hormone analogue implants enhance oocyte final maturation and ovulation, and increase plasma concentrations of sulphated C21steroids in North Sea plaice. <i>Journal of Fish Biology</i> , 1999, 55, 316-328.	0.7	15
62	No additive genetic variance for tolerance to ethynylestradiol exposure in natural populations of brown trout ( <i>Salmo trutta</i> ). <i>Evolutionary Applications</i> , 2019, 12, 940-950.	1.5	13
63	Estrogenic activity of food contact materialsâ€”evaluation of 20 chemicals using a yeast estrogen screen on HPTLC or 96-well plates. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 4527-4536.	1.9	13
64	Low density polyethylene (LDPE) passive samplers for the investigation of polychlorinated biphenyl (PCB) point sources in rivers. <i>Chemosphere</i> , 2015, 118, 268-276.	4.2	11
65	Sex-specific changes in gene expression in response to estrogen pollution around the onset of sex differentiation in grayling ( <i>Salmonidae</i> ). <i>BMC Genomics</i> , 2019, 20, 583.	1.2	11
66	Wastewater alters feeding rate but not vitellogenin level of <i>Gammarus fossarum</i> (Amphipoda). <i>Science of the Total Environment</i> , 2019, 657, 1246-1252.	3.9	7
67	Comparative Evaluation of the Polar Organic Chemical Integrative Sampler in Two Types of Validation Systems Simulating Peak Concentration Events. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 3010-3018.	2.2	3