

# Marja H Lamoree

## List of Publications by Year in descending order

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Version: 2024-02-01

92  
papers

5,393  
citations

66343

42  
h-index

85541

71  
g-index

94  
all docs

94  
docs citations

94  
times ranked

6296  
citing authors

#	ARTICLE	IF	CITATIONS
1	Accurate Prediction of the Response of Freshwater Fish to a Mixture of Estrogenic Chemicals. <i>Environmental Health Perspectives</i> , 2005, 113, 721-728.	6.0	332
2	Effect-directed analysis supporting monitoring of aquatic environments – An in-depth overview. <i>Science of the Total Environment</i> , 2016, 544, 1073-1118.	8.0	288
3	Competitive Binding of Poly- and Perfluorinated Compounds to the Thyroid Hormone Transport Protein Transthyretin. <i>Toxicological Sciences</i> , 2009, 109, 206-216.	3.1	270
4	A review of semi-volatile organic compounds (SVOCs) in the indoor environment: occurrence in consumer products, indoor air and dust. <i>Chemosphere</i> , 2018, 201, 466-482.	8.2	245
5	Evidence of Estrogenic Mixture Effects on the Reproductive Performance of Fish. <i>Environmental Science &amp; Technology</i> , 2007, 41, 337-344.	10.0	170
6	European demonstration program on the effect-based and chemical identification and monitoring of organic pollutants in European surface waters. <i>Science of the Total Environment</i> , 2017, 601-602, 1849-1868.	8.0	151
7	Identification of Estrogenic Compounds in Fish Bile Using Bioassay-Directed Fractionation. <i>Environmental Science &amp; Technology</i> , 2004, 38, 6415-6423.	10.0	147
8	From the exposome to mechanistic understanding of chemical-induced adverse effects. <i>Environment International</i> , 2017, 99, 97-106.	10.0	146
9	Suspect and non-targeted screening of chemicals of emerging concern for human biomonitoring, environmental health studies and support to risk assessment: From promises to challenges and harmonisation issues. <i>Environment International</i> , 2020, 139, 105545.	10.0	133
10	Determination of diuron and the antifouling paint biocide Irgarol 1051 in Dutch marinas and coastal waters. <i>Journal of Chromatography A</i> , 2002, 970, 183-190.	3.7	130
11	Masking effect of anti-androgens on androgenic activity in European river sediment unveiled by effect-directed analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 1385-1397.	3.7	109
12	Effects-directed analysis (EDA) and toxicity identification evaluation (TIE): Complementary but different approaches for diagnosing causes of environmental toxicity. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 1935-1945.	4.3	101
13	Programming of metabolic effects in C57BL/6JxFVB mice by exposure to bisphenol A during gestation and lactation. <i>Toxicology</i> , 2014, 321, 40-52.	4.2	91
14	Polar Compounds Dominate in Vitro Effects of Sediment Extracts. <i>Environmental Science &amp; Technology</i> , 2011, 45, 2384-2390.	10.0	90
15	A chemical and toxicological profile of Dutch North Sea surface sediments. <i>Chemosphere</i> , 2005, 58, 1579-1587.	8.2	88
16	TOXICOLOGICAL PROFILING OF SEDIMENTS USING IN VITRO BIOASSAYS, WITH EMPHASIS ON ENDOCRINE DISRUPTION. <i>Environmental Toxicology and Chemistry</i> , 2004, 23, 32.	4.3	87
17	The role of analytical chemistry in exposure science: Focus on the aquatic environment. <i>Chemosphere</i> , 2019, 222, 564-583.	8.2	87
18	Prenatal exposure to endocrine disrupting chemicals in relation to thyroid hormone levels in infants – a Dutch prospective cohort study. <i>Environmental Health</i> , 2014, 13, 106.	4.0	86

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19	Changes in Neurotransmitter Profiles during Early Zebrafish ( <i>Danio rerio</i> ) Development and after Pesticide Exposure. <i>Environmental Science &amp; Technology</i> , 2016, 50, 3222-3230.	10.0	84
20	Effect-Directed Analysis To Explore the Polar Bear Exposome: Identification of Thyroid Hormone Disrupting Compounds in Plasma. <i>Environmental Science &amp; Technology</i> , 2013, 47, 8902-8912.	10.0	80
21	MODELKEY. Models for assessing and forecasting the impact of environmental key pollutants on freshwater and marine ecosystems and biodiversity (5 pp). <i>Environmental Science and Pollution Research</i> , 2005, 12, 252-256.	5.3	76
22	Simultaneous analysis of multiple neurotransmitters by hydrophilic interaction liquid chromatography coupled to tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2015, 1395, 79-87.	3.7	75
23	Estrogenic and dioxin-like compounds in sediment from Zierikzee harbour identified with CALUX assay-directed fractionation combined with one and two dimensional gas chromatography analyses. <i>Chemosphere</i> , 2006, 65, 2244-2252.	8.2	74
24	Identification strategy for unknown pollutants using high-resolution mass spectrometry: Androgen-disrupting compounds identified through effect-directed analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 3141-3149.	3.7	68
25	Occurrence of legacy and alternative plasticizers in indoor dust from various EU countries and implications for human exposure via dust ingestion and dermal absorption. <i>Environmental Research</i> , 2019, 171, 204-212.	7.5	62
26	First Year Growth in Relation to Prenatal Exposure to Endocrine Disruptors – A Dutch Prospective Cohort Study. <i>International Journal of Environmental Research and Public Health</i> , 2014, 11, 7001-7021.	2.6	60
27	Tracing thyroid hormone-disrupting compounds: database compilation and structure-activity evaluation for an effect-directed analysis of sediment. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 5625-5634.	3.7	60
28	Prenatal exposure to endocrine disrupting chemicals and risk of being born small for gestational age: Pooled analysis of seven European birth cohorts. <i>Environment International</i> , 2018, 115, 267-278.	10.0	60
29	Identification of mutagenic and endocrine disrupting compounds in surface water and wastewater treatment plant effluents using high-resolution effect-directed analysis. <i>Water Research</i> , 2020, 168, 115204.	11.3	57
30	On-capillary isotachopheresis for loadability enhancement in capillary zone electrophoresis/mass spectrometry of $\beta^2$ -agonists. <i>Biological Mass Spectrometry</i> , 1994, 23, 339-345.	0.5	55
31	Prenatal Exposure to Perfluoroalkyl Substances and Behavioral Development in Children. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 511.	2.6	55
32	Perfluoroalkyl substances measured in breast milk and child neuropsychological development in a Norwegian birth cohort study. <i>Environment International</i> , 2015, 83, 176-182.	10.0	54
33	On-line coupling of micellar electrokinetic chromatography to electrospray mass spectrometry. <i>Journal of Chromatography A</i> , 1995, 712, 219-225.	3.7	53
34	Multigeneration toxicity of imidacloprid and thiacloprid to <i>Folsomia candida</i> . <i>Ecotoxicology</i> , 2017, 26, 320-328.	2.4	53
35	Non-target analysis of household dust and laundry dryer lint using comprehensive two-dimensional liquid chromatography coupled with time-of-flight mass spectrometry. <i>Chemosphere</i> , 2017, 166, 431-437.	8.2	53
36	Blood Plasma Sample Preparation Method for the Assessment of Thyroid Hormone-Disrupting Potency in Effect-Directed Analysis. <i>Environmental Science &amp; Technology</i> , 2011, 45, 7936-7944.	10.0	52

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37	Geotextile composition, application and ecotoxicology—A review. <i>Journal of Hazardous Materials</i> , 2016, 317, 640-655.	12.4	52
38	Estrogens counteract the masculinizing effect of tributyltin in zebrafish. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2006, 142, 151-155.	2.6	51
39	Use of microdialysis for the on-line coupling of capillary isoelectric focusing with electrospray mass spectrometry. <i>Journal of Chromatography A</i> , 1997, 777, 31-39.	3.7	50
40	Identification of Photosynthesis Inhibitors of Pelagic Marine Algae Using 96-Well Plate Microfractionation for Enhanced Throughput in Effect-Directed Analysis. <i>Environmental Science &amp; Technology</i> , 2014, 48, 8003-8011.	10.0	50
41	High-Throughput Effect-Directed Analysis Using Downscaled in Vitro Reporter Gene Assays To Identify Endocrine Disruptors in Surface Water. <i>Environmental Science &amp; Technology</i> , 2018, 52, 4367-4377.	10.0	49
42	Import, disposal, and health impacts of pesticides in the East Africa Rift (EAR) zone: A review on management and policy analysis. <i>Crop Protection</i> , 2018, 112, 322-331.	2.1	47
43	The NORMAN Association and the European Partnership for Chemicals Risk Assessment (PARC): let's cooperate!. <i>Environmental Sciences Europe</i> , 2020, 32, .	5.5	46
44	Challenges in effect-directed analysis with a focus on biological samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 67, 179-191.	11.4	45
45	Use of heptakis(2,6-di-O-methyl)- $\beta$ -cyclodextrin in on-line capillary zone electrophoresis-mass spectrometry for the chiral separation of ropivacaine. <i>Journal of Chromatography A</i> , 1996, 742, 235-242.	3.7	42
46	Biological Validation of a Sample Preparation Method for ER-CALUX Bioanalysis of Estrogenic Activity in Sediment Using Mixtures of Xeno-Estrogens. <i>Environmental Science &amp; Technology</i> , 2006, 40, 2455-2461.	10.0	42
47	BIOMONITORING OF ESTROGENIC EXPOSURE AND IDENTIFICATION OF RESPONSIBLE COMPOUNDS IN BREEM FROM DUTCH SURFACE WATERS. <i>Environmental Toxicology and Chemistry</i> , 2007, 26, 898.	4.3	41
48	Effect-Directed Analysis of Municipal Landfill Soil Reveals Novel Developmental Toxicants in the Zebrafish <i>Danio rerio</i> . <i>Environmental Science &amp; Technology</i> , 2011, 45, 8552-8558.	10.0	41
49	Comprehensive two-dimensional liquid chromatography coupled to high resolution time of flight mass spectrometry for chemical characterization of sewage treatment plant effluents. <i>Journal of Chromatography A</i> , 2015, 1380, 139-145.	3.7	41
50	Mixtures of Estrogenic Chemicals Enhance Vitellogenic Response in Sea Bass. <i>Environmental Health Perspectives</i> , 2007, 115, 115-121.	6.0	37
51	Sample preparation method for the ER-CALUX bioassay screening of (xeno-)estrogenic activity in sediment extracts. <i>Science of the Total Environment</i> , 2007, 386, 134-144.	8.0	37
52	Evidence of temperature-dependent effects on the estrogenic response of fish: Implications with regard to climate change. <i>Science of the Total Environment</i> , 2008, 397, 72-81.	8.0	37
53	Metabolomics to Explore Imidacloprid-Induced Toxicity in the Central Nervous System of the Freshwater Snail <i>Lymnaea stagnalis</i> . <i>Environmental Science &amp; Technology</i> , 2015, 49, 14529-14536.	10.0	37
54	Pesticide Mixture Toxicity in Surface Water Extracts in Snails ( <i>Lymnaea stagnalis</i> ) by an in Vitro Acetylcholinesterase Inhibition Assay and Metabolomics. <i>Environmental Science &amp; Technology</i> , 2016, 50, 3937-3944.	10.0	36

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55	Identification of Major Dioxin-Like Compounds and Androgen Receptor Antagonist in Acid-Treated Tissue Extracts of High Trophic-Level Animals. <i>Environmental Science &amp; Technology</i> , 2011, 45, 10203-10211.	10.0	34
56	Transthyretin-Binding Activity of Contaminants in Blood from Polar Bear ( <i>Ursus maritimus</i> ) Cubs. <i>Environmental Science &amp; Technology</i> , 2013, 47, 4778-4786.	10.0	33
57	Rapid Screening of Acetylcholinesterase Inhibitors by Effect-Directed Analysis Using LC-MS/MS—LC Fractionation, a High Throughput in Vitro Assay, and Parallel Identification by Time of Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 2016, 88, 2353-2360.	6.5	32
58	Determination of d-myo-1,2,6-inositol trisphosphate by ion-pair reversed-phase liquid chromatography with post-column ligand exchange and fluorescence detection. <i>Journal of Chromatography A</i> , 1990, 499, 617-625.	3.7	30
59	Receptor-based in vitro activities to assess human exposure to chemical mixtures and related health impacts. <i>Environment International</i> , 2021, 146, 106191.	10.0	30
60	Prenatal exposure to endocrine disrupting chemicals and birth weight—A prospective cohort study. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2016, 51, 178-185.	1.7	29
61	An annotation database for chemicals of emerging concern in exposome research. <i>Environment International</i> , 2021, 152, 106511.	10.0	29
62	Effect directed analysis of riverine sediments—The usefulness of <i>Potamopyrgus antipodarum</i> for in vivo effect confirmation of endocrine disruption. <i>Aquatic Toxicology</i> , 2011, 101, 237-243.	4.0	28
63	High-Resolution Fractionation after Gas Chromatography for Effect-Directed Analysis. <i>Analytical Chemistry</i> , 2013, 85, 8204-8211.	6.5	28
64	Rapid activity-directed screening of estrogens by parallel coupling of liquid chromatography with a functional gene reporter assay and mass spectrometry. <i>Journal of Chromatography A</i> , 2015, 1406, 165-174.	3.7	27
65	Testing Endocrine Disruption in Biota Samples: A Method to Remove Interfering Lipids and Natural Hormones. <i>Environmental Science &amp; Technology</i> , 2010, 44, 8322-8329.	10.0	26
66	Tissue-Specific Metabolism of Benzo[a]pyrene in Rainbow Trout ( <i>Oncorhynchus mykiss</i> ): A Comparison between the Liver and Immune Organs. <i>Drug Metabolism and Disposition</i> , 2014, 42, 111-118.	3.3	24
67	Miniaturization of a transthyretin binding assay using a fluorescent probe for high throughput screening of thyroid hormone disruption in environmental samples. <i>Chemosphere</i> , 2017, 171, 722-728.	8.2	22
68	Review of the analysis of insecticide residues and their levels in different matrices in Ghana. <i>Ecotoxicology and Environmental Safety</i> , 2019, 171, 361-372.	6.0	22
69	Toxic pressure of herbicides on microalgae in Dutch estuarine and coastal waters. <i>Journal of Sea Research</i> , 2015, 102, 48-56.	1.6	21
70	Thyroid-stimulating hormone levels in newborns and early life exposure to endocrine-disrupting chemicals: analysis of three European mother-child cohorts. <i>Pediatric Research</i> , 2017, 82, 429-437.	2.3	21
71	Extraction tools for identification of chemical contaminants in estuarine and coastal waters to determine toxic pressure on primary producers. <i>Chemosphere</i> , 2013, 93, 107-114.	8.2	20
72	Per- and polyfluoroalkyl substances (PFASs) in Swedish household dust and exposure of pet cats. <i>Environmental Science and Pollution Research</i> , 2021, 28, 39001-39013.	5.3	20

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73	Demographic, Reproductive, and Dietary Determinants of Perfluorooctane Sulfonic (PFOS) and Perfluorooctanoic Acid (PFOA) Concentrations in Human Colostrum. <i>Environmental Science &amp; Technology</i> , 2016, 50, 7152-7162.	10.0	19
74	Integrated chemical and biological analysis to explain estrogenic potency in bile extracts of red mullet ( <i>Mullus barbatus</i> ). <i>Aquatic Toxicology</i> , 2013, 134-135, 1-10.	4.0	18
75	Analysis of Lipid Metabolism, Immune Function, and Neurobehavior in Adult C57BL/6JxFVB Mice After Developmental Exposure to di (2-ethylhexyl) Phthalate. <i>Frontiers in Endocrinology</i> , 2018, 9, 684.	3.5	18
76	Development of a polydimethylsiloxane film-based passive dosing method in the in vitro DRACALUX® assay. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 898-904.	4.3	17
77	Highly Selective Screening of Estrogenic Compounds in Consumer-Electronics Plastics by Liquid Chromatography in Parallel Combined with Nanofractionation-Bioactivity Detection and Mass Spectrometry. <i>Environmental Science &amp; Technology</i> , 2016, 50, 12385-12393.	10.0	17
78	Characterisation of (anti-)progestogenic and (anti-)androgenic activities in surface and wastewater using high resolution effectdirected analysis. <i>Environment International</i> , 2021, 153, 106536.	10.0	17
79	A harmonized European framework for method validation to support research on emerging pollutants. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 1233-1242.	11.4	14
80	Cross-platform metabolic profiling: application to the aquatic model organism <i>Lymnaea stagnalis</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 1901-1912.	3.7	14
81	Inter-laboratory mass spectrometry dataset based on passive sampling of drinking water for non-target analysis. <i>Scientific Data</i> , 2021, 8, 223.	5.3	14
82	EDA-EMERGE: an FP7 initial training network to equip the next generation of young scientists with the skills to address the complexity of environmental contamination with emerging pollutants. <i>Environmental Sciences Europe</i> , 2013, 25, .	5.5	13
83	Improved androgen specificity of AR-EcoScreen by CRISPR based glucocorticoid receptor knockout. <i>Toxicology in Vitro</i> , 2017, 45, 1-9.	2.4	13
84	Development of a high-throughput bioassay for screening of antibiotics in aquatic environmental samples. <i>Science of the Total Environment</i> , 2020, 729, 139028.	8.0	13
85	High-Performance Data Processing Workflow Incorporating Effect-Directed Analysis for Feature Prioritization in Suspect and Nontarget Screening. <i>Environmental Science &amp; Technology</i> , 2022, 56, 1639-1651.	10.0	13
86	The influence of a surfactant, linear alkylbenzene sulfonate, on the estrogenic response to a mixture of (xeno)estrogens in vitro and in vivo. <i>Aquatic Toxicology</i> , 2009, 91, 95-98.	4.0	12
87	Continuous fraction collection of gas chromatographic separations with parallel mass spectrometric detection applied to cell-based bioactivity analysis. <i>Talanta</i> , 2017, 168, 162-167.	5.5	11
88	Development of a luminescent mutagenicity test for high-throughput screening of aquatic samples. <i>Toxicology in Vitro</i> , 2018, 46, 350-360.	2.4	8
89	Compound Identification Using Liquid Chromatography and High-Resolution Noncontact Fraction Collection with a Solenoid Valve. <i>SLAS Technology</i> , 2019, 24, 543-555.	1.9	8
90	Identification and quantitative determination of glutathione-related urinary metabolites of fote mustine, a new anti-cancer agent. <i>Xenobiotica</i> , 1993, 23, 935-947.	1.1	6

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91	<i>In vivo</i> effect confirmation of anti-androgenic compounds in sediment contact tests with <i>Potamopyrgus antipodarum</i> . <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2013, 48, 475-480.	1.7	5
92	Advanced GC-MS and LC-MS Tools for Structure Elucidation in Effect-Directed Analysis. <i>Handbook of Environmental Chemistry</i> , 2011, , 143-165.	0.4	3